

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

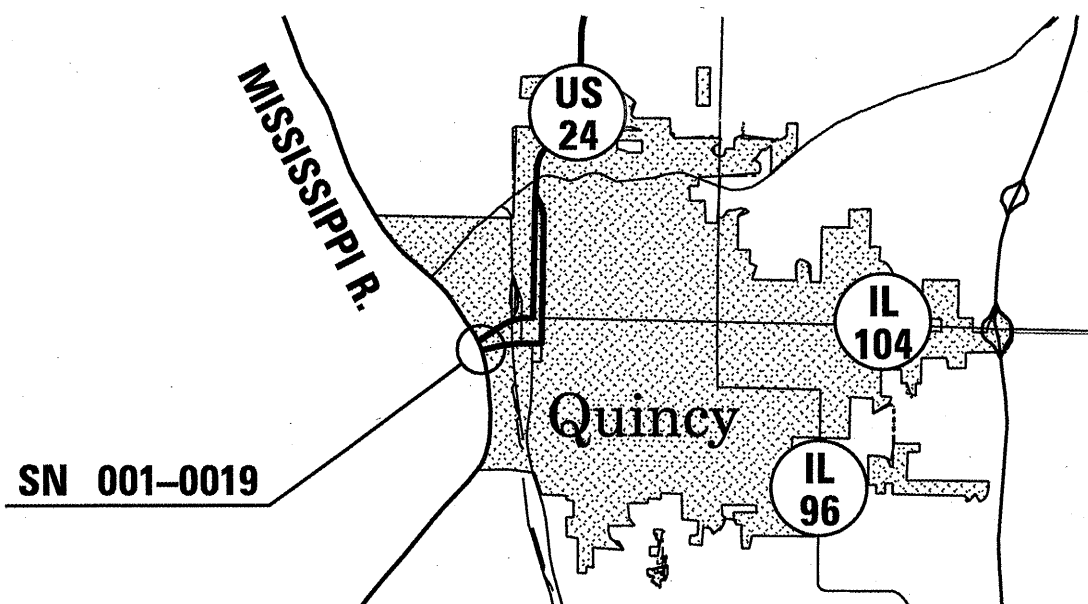
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 63 (US 24)  
SECTION (1ZB)I-4

BRIDGE JOINT REPAIR  
ADAMS COUNTY  
C-96-184-10

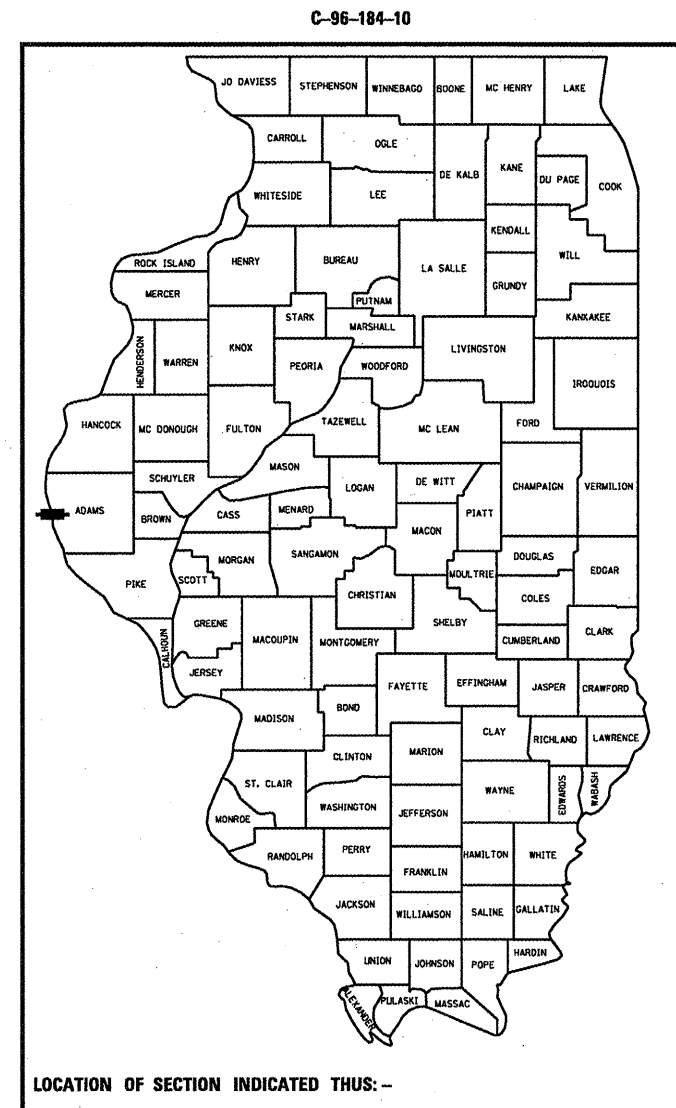
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	S. No.
63	(1ZB)I-4	ADAMS	8	1
FED. ROAD DIST. NO. 6		ILLINOIS	CONTRACT NO. 72D53	

FOR INDEX OF SHEETS, SEE SHEET NO. 2



NET LENGTH = 3512 FT. = 0.67 MILE

ADT = 8500



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

D6 BRIDGE MAINTENANCE ENGINEER -  
STEVE BERAN (217) 785-9290  
D6 BRIDGE INSPECTION ENGINEER -  
DAVE COPENBARGER (217) 785-5306

CONTRACT NO. 72D53

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 3, 2010  
By [Signature]  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7, 2010  
Scott E. Stitt, P.E. [Signature]  
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2010  
Christine M. Reed [Signature]  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

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- 6 MAXIMUM WIDTH SIGNING PLAN
- 7 DECK PATCHING DETAIL
- 8 EXPANSION JOINT DETAILS

STANDARDS

- 701101-02
- 701106-02
- 701421-02
- 701422-02
- 701901-01

GENERAL NOTES:

WORK ZONE SPEED LIMIT SIGNS DETAILED IN THE TRAFFIC CONTROL STANDARDS SHALL BE CHANGED FROM 45 MPH TO 35 MPH.

THE REMOVAL OF THE EXISTING POLYMER CONCRETE AND ALL EXISTING JOINT MATERIAL SHALL BE INCLUDED IN THE COST FOR POLYMER CONCRETE.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE BID FOR THE WORK.

Route FAP 63 (US 24)  
Section (I 2B) I-4  
County Adams

DISTRICT SIX		
EXAMINED	<u>MARCH 9</u>	20 <u>10</u>
OPERATIONS ENGINEER		

Route FAP 63 (US 24)  
Section (I 2B) I-4  
County Adams

EXAMINED	<u>MARCH 30</u>	20 <u>10</u>
<u>Tom Funt</u>		
PROGRAM IMPLEMENTATION ENGINEER		
EXAMINED	<u>March 10</u>	20 <u>10</u>
<u>QRML</u>		
PROGRAM DEVELOPMENT ENGINEER		

ASPHALT MIXTURE TABLE

MIX USE	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION (GRADATION MIXTURE)	FRICTION AGGREGATE
INCIDENTAL HMA SURF.	PG64-22	4.0% @ N DESIGN =70	IL 9.5	MIX "D"

INDEX, STDS, & GENERAL NOTES  
FAP 63 (US 24)  
SECTION (I2B)I-4  
ADAMS COUNTY

S U M M A R Y O F Q U A N T I T I E S

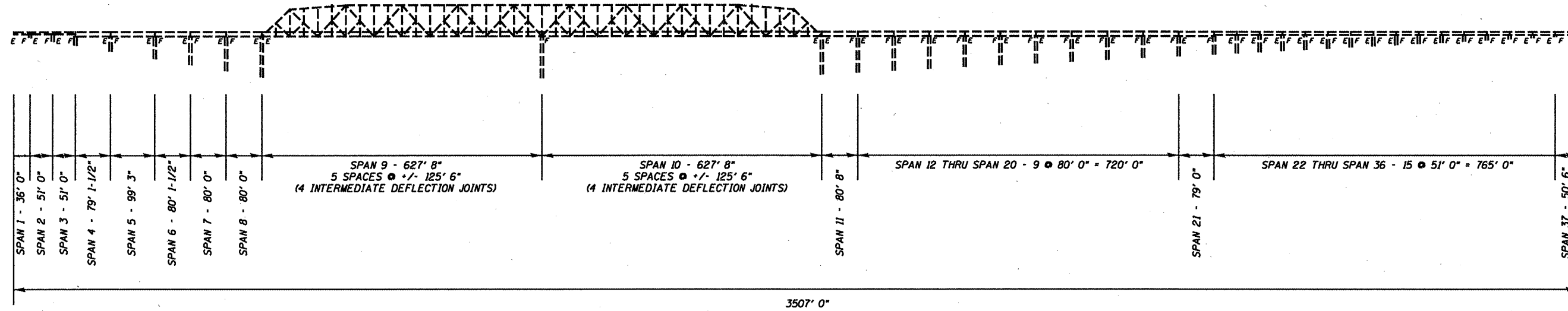
CODE NO.	ITEM	UNIT	100% STATE
			SFTY-2A
			TOTAL QTY
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.1
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	12
44000915	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	214
67100100	MOBILIZATION	L SUM	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1
X0320887	POLYMER CONCRETE	CU FT	41.4
X0322932	SILICONE JOINT SEALER, 1.5"	FOOT	861
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1

QUANTITIES  
FAP 63 (US 24)  
SECTION (IZB)I-4  
ADAMS COUNTY

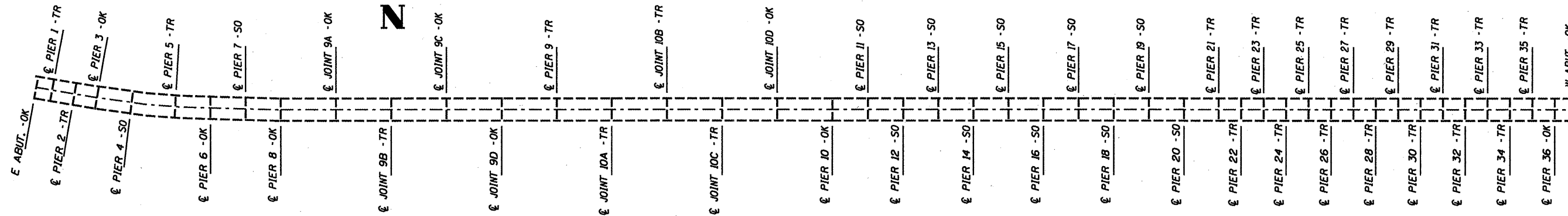
JOINT REPAIR SCHEDULE		
JOINT	POLYMER CONCRETE (CU FT)	SILICONE JT. SEALER (FOOT)
E ABUT.	0	0
PIER 1	1.8	24.6
PIER 2	1.8	24.6
PIER 3	0	0
PIER 4	0	24.6
PIER 5	1.8	24.6
PIER 6	0	0
PIER 7	0	24.6
PIER 8	0	0
9A	0	0
9B	1.8	24.6
9C	0	0
9D	0	0
PIER 9	1.8	24.6
10A	1.8	24.6
10B	1.8	24.6
10C	1.8	24.6
10D	0	0
PIER 10	0	0
PIER 11	0	24.6
PIER 12	0	24.6
PIER 13	0	24.6
PIER 14	0	24.6
PIER 15	0	24.6
PIER 16	0	24.6
PIER 17	0	24.6
PIER 18	0	24.6
PIER 19	0	24.6
PIER 20	0	24.6
PIER 21	1.8	24.6
PIER 22	1.8	24.6
PIER 23	1.8	24.6
PIER 24	1.8	24.6
PIER 25	1.8	24.6
PIER 26	1.8	24.6
PIER 27	1.8	24.6
PIER 28	1.8	24.6
PIER 29	1.8	24.6
PIER 30	1.8	24.6
PIER 31	1.8	24.6
PIER 32	1.8	24.6
PIER 33	1.8	24.6
PIER 34	1.8	24.6
PIER 35	1.8	24.6
PIER 36	0	0
W ABUT.	0	0
TOTALS	41.4	861

DECK SURFACE PATCHING SCHEDULE			
SPAN	HMA SURF. REM. (DECK) (SQ YD)	INCIDENTAL HMA SURF. (TON)	BIT. MATL. (PRIME CT.) (TON)
9	66.7	3.7	0.03
10	146.7	8.3	0.06
TOTALS	213.4	12.0	0.09

SCHEDULES OF QUANTITIES  
FAP 63 (US 24)  
SECTION (12B)I-4  
ADAMS COUNTY



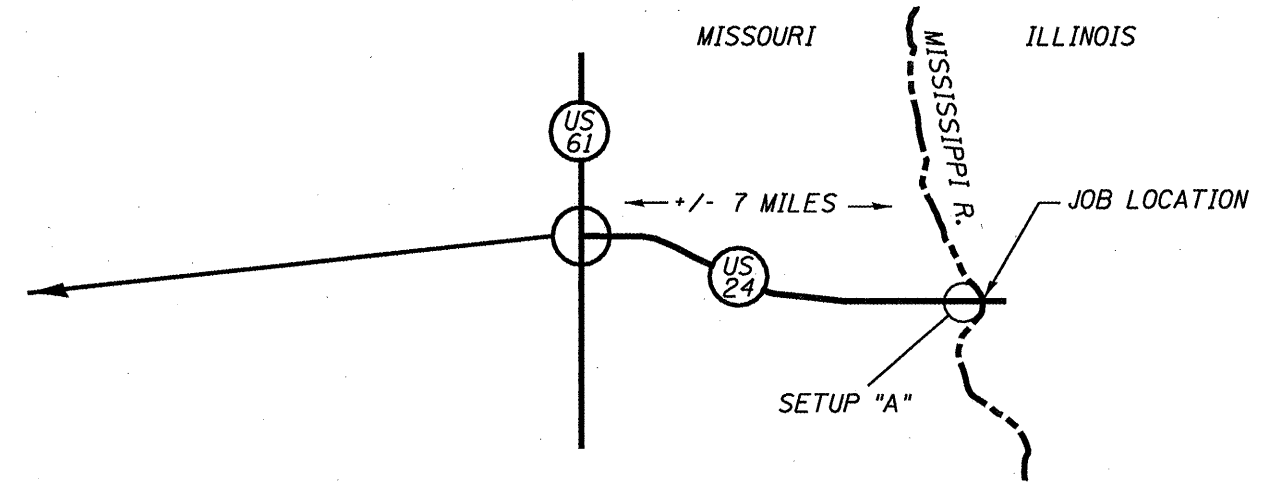
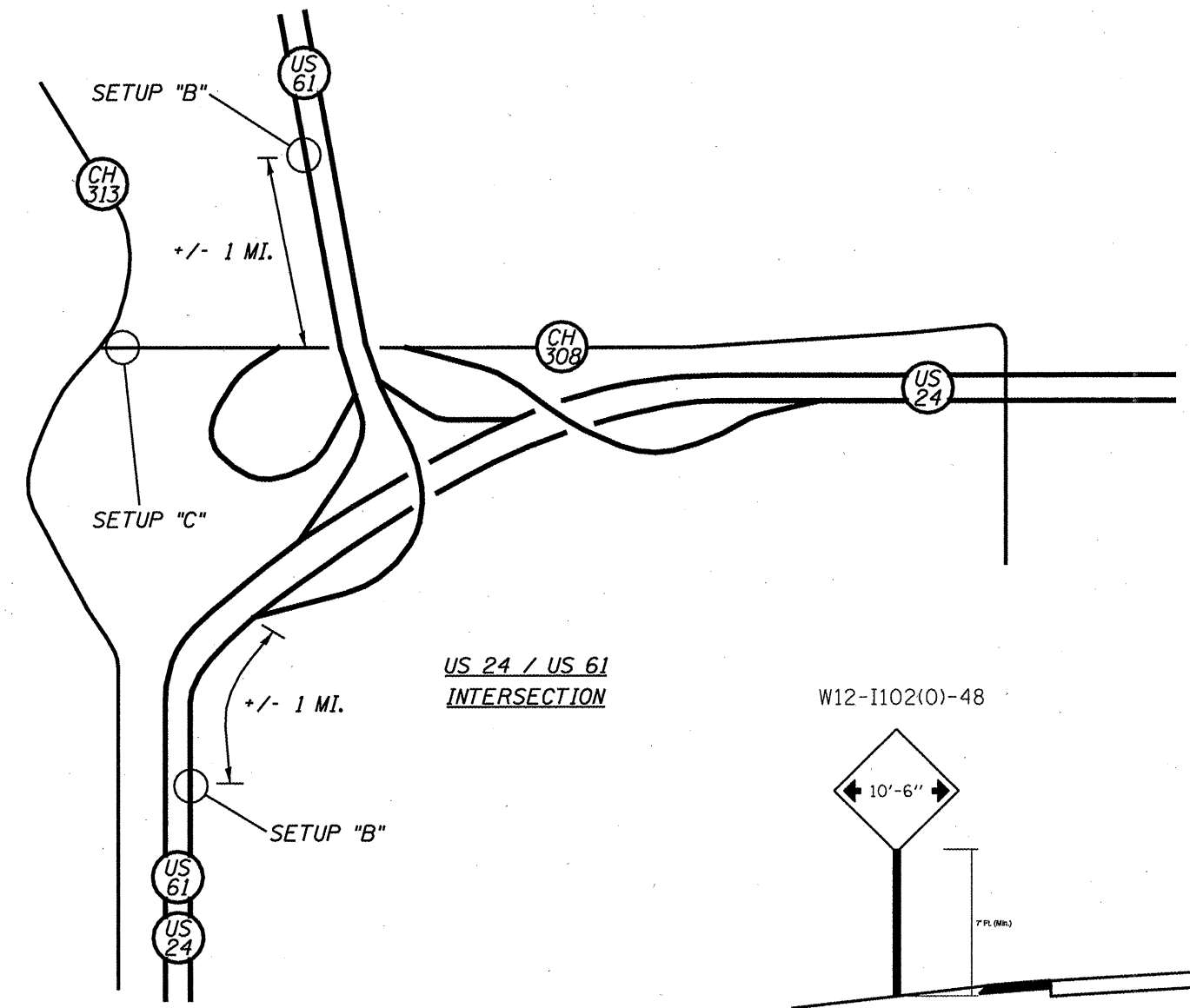
BRIDGE ELEVATION



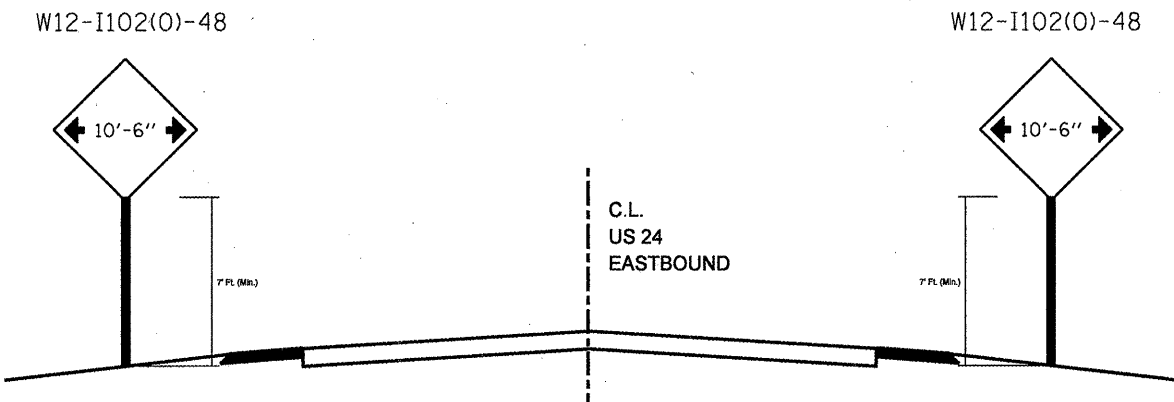
BRIDGE PLAN

JOINT LABELING LEGEND  
 OK - NO REPAIRS NEEDED  
 TR - TOTAL JOINT REPLACEMENT  
 SO - REPLACE SILICONE AND BACKER ROD ONLY

BRIDGE PLAN & ELEVATION  
 FAP 63 (US 24)  
 SECTION (12B)I-4  
 ADAMS COUNTY

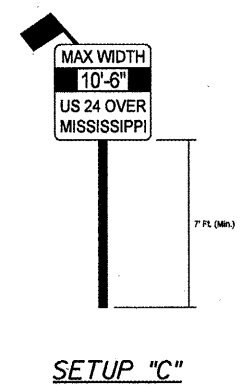


US 24 / US 61  
INTERSECTION

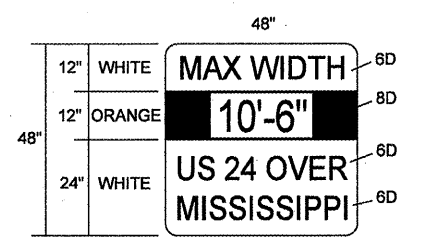


SETUP "A"

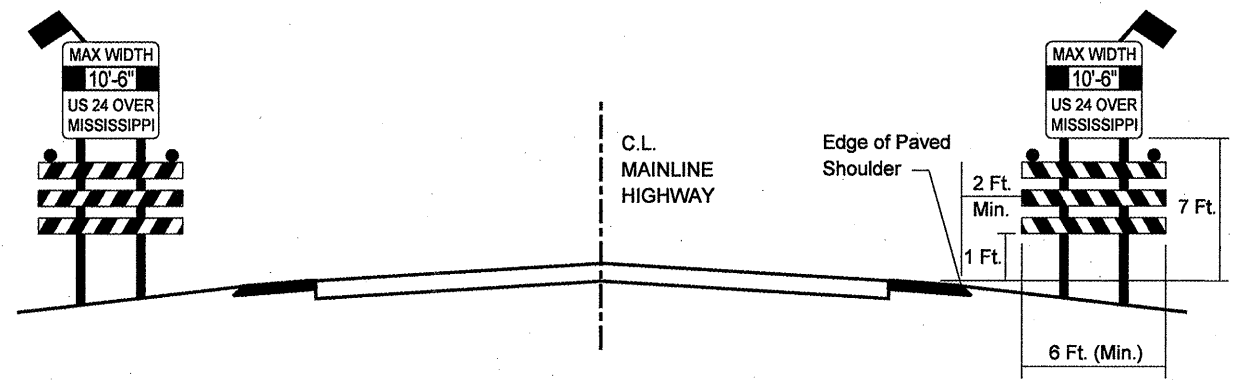
NOTES:  
SIGNS DETAILED IN SETUP "A" SHALL BE PLACED 1000' AHEAD OF THE W20-5(0)-48. "LANE CLOSED 1/2 MILE" SIGNS DETAILED IN STANDARD 701422.  
WORK ZONE SPEED LIMIT SIGNS DETAILED IN THE TRAFFIC CONTROL STANDARDS SHALL BE CHANGED FROM 45 MPH TO 35 MPH.



SETUP "C"

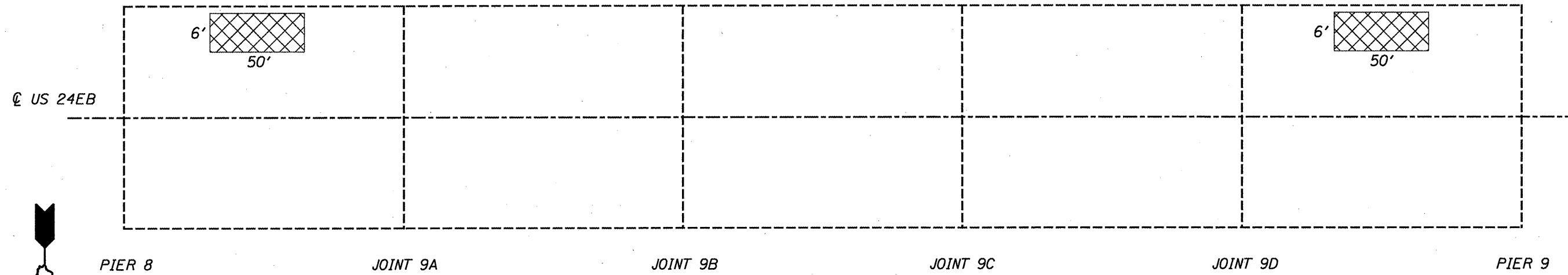


SIGN DETAIL FOR  
SETUPS "B" AND "C"

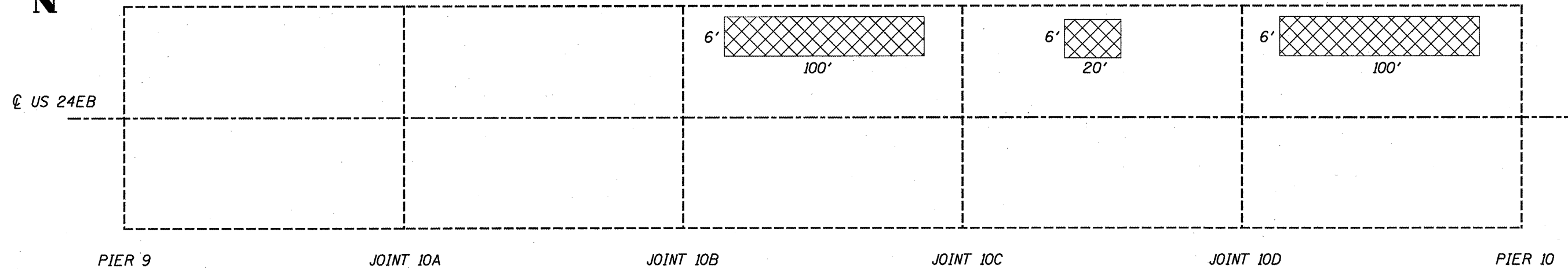


SETUP "B"

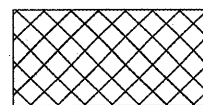
MAXIMUM WIDTH SIGNING PLAN  
FAP 63 (US 24)  
SECTION (12B)I-4  
ADAMS COUNTY



SPAN 9 PLAN



SPAN 10 PLAN



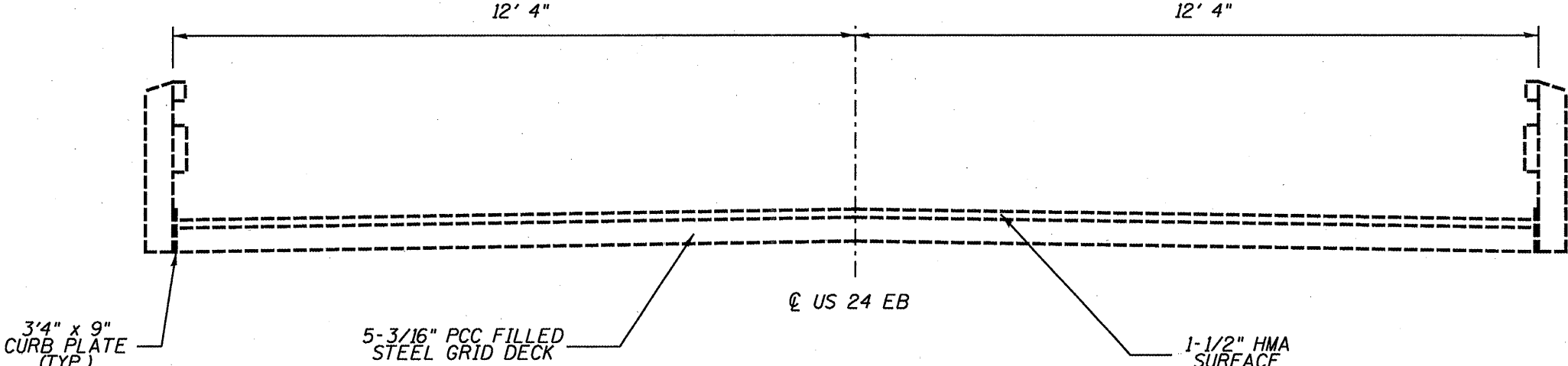
PATCH LOCATIONS

NOTES:

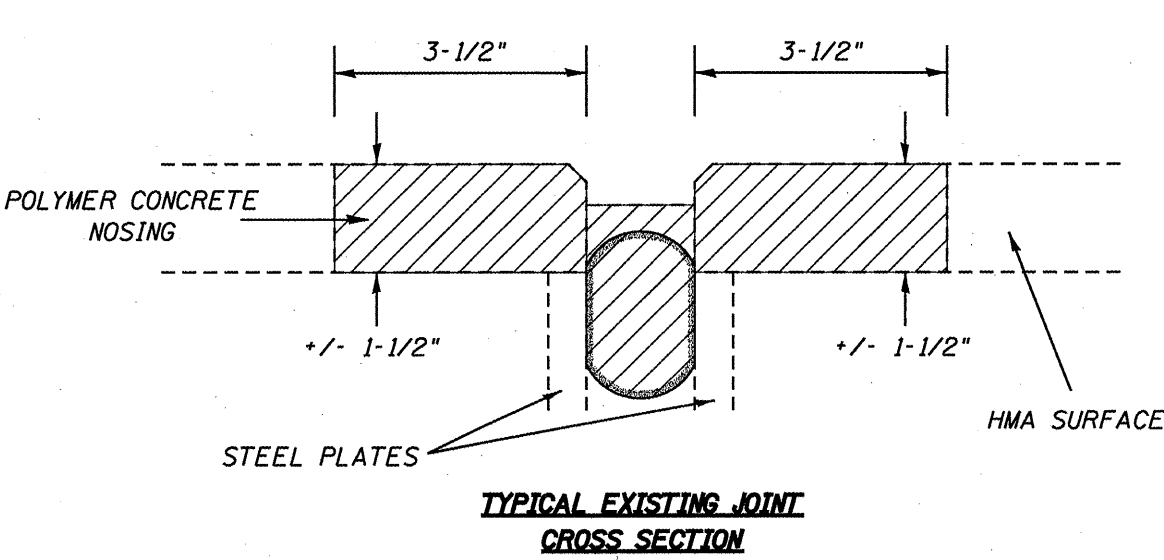
PATCHES SHALL BE LAID OUT BY THE ENGINEER PRIOR TO PATCH REMOVAL.

PATCHES SHALL BE MILLED +/- 1-1/4", CLEANED, PRIMED, AND REFILLED WITH INCIDENTAL HMA SURFACE. CARE SHALL BE TAKEN NOT TO DISTURB THE EXISTING WATERPROOF MEMBRANE UNDER THE ASPHALT DURING MILLING AND CLEANING. ANY DAMAGE TO THE WATERPROOF MEMBRANE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

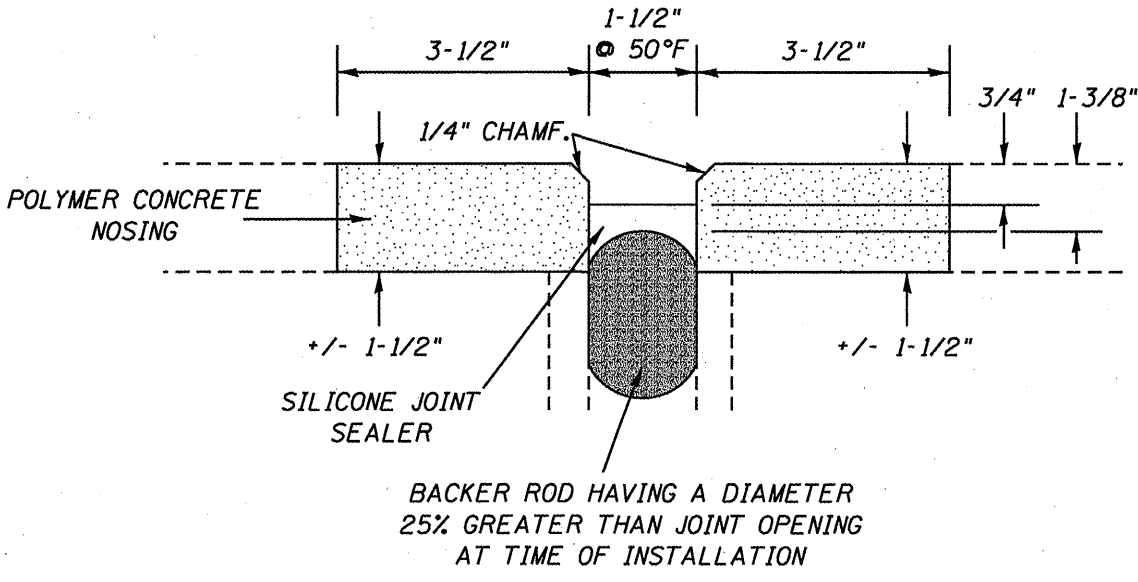
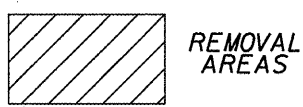
DECK PATCHING DETAIL  
FAP 63 (US 24)  
SECTION (12B)I-4  
ADAMS COUNTY



**BRIDGE DECK CROSS SECTION**



**TYPICAL EXISTING JOINT  
CROSS SECTION**



**TYPICAL PROPOSED JOINT  
CROSS SECTION**

NOTES:  
THE COST OF REMOVING THE EXISTING SILICONE JOINT SEALER AND BACKER ROD SHALL BE INCLUDED IN THE UNIT BID PRICE FOR SILICONE JOINT SEALER, 1.5".

**EXPANSION JOINT DETAILS**  
FAP 63 (US 24)  
SECTION (1ZB)I-4  
ADAMS COUNTY