

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTION	SECTION	COUNTY	SECTION	SECTION
FA 1-64 VAR		JEFFERSON	8	1
REVISED BY: [Signature]				
DATE: APR 17 1989				

~INDEX~

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7	BAR SPICER AND ALUMINUM RAILING DETAILS
8	NEOPRENE EXPANSION JOINT AND SEAL DETAILS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

DISTRICT 7

CONTRACT MAINTENANCE

EXPANSION JOINT REPAIR 1989-1



~GENERAL NOTES~

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JULY 1, 1988; THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", ADOPTED APRIL 1, 1989; THE "SUPPLEMENTAL SPECIFICATIONS", AND THE "RECURRING SPECIAL PROVISIONS" AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THE WORK INCLUDED IN THIS SECTION IS LOCATED INTERMITTENTLY ALONG INTERSTATE ROUTE 64 IN JEFFERSON COUNTY AND CONSISTS OF THE REMOVAL AND REPLACEMENT OF EXISTING EXPANSION JOINTS ON VARIOUS STRUCTURES AND OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE ATTACHED AFTER SHEET NO. 8.

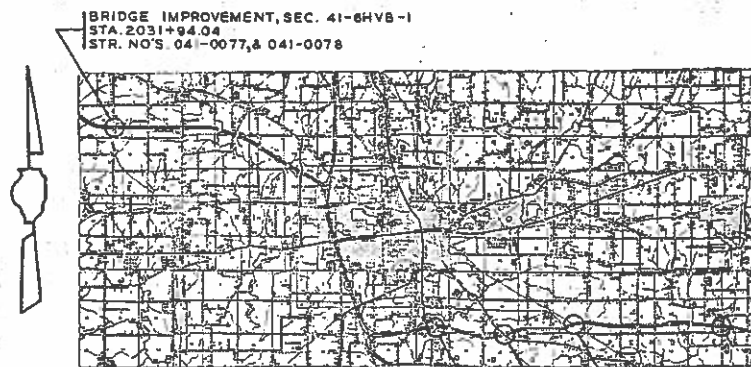
- 1686-4 STANDARD SYMBOLS AND ABBREVIATIONS
- 2296-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 2299-10 DESIGN OF TRAFFIC CONTROL DEVICES
- 2300-3 FLAGMAN TRAFFIC CONTROL SIGN
- 2309-8 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 2314-12 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 2414 TRAFFIC CONTROL

JEFFERSON COUNTY

C-97-037-88

~SUMMARY OF QUANTITIES~

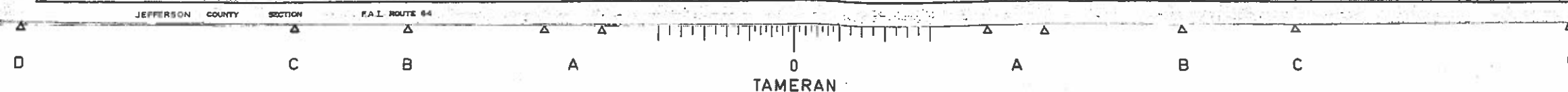
CODE NO.	ITEM	UNIT	QUANTITY
30650700	BASE COURSE WIDENING	SQ YD	1,743
50102400	CONCRETE REMOVAL	CU. YD.	97.9
50300120	PREFORMED JOINT SEAL 2 1/2"	LIN. FT.	302
50300130	PREFORMED JOINT SEAL 4"	LIN. FT.	242
50400300	CLASS X CONCRETE	CU. YD.	107.6
50700400	FURN & ERECT STRUCTURAL STEEL	POUND	22,000
51250200	REINFORCEMENT BARS, EPOXY COATED	POUND	17,870
54800205	TRAFFIC CONTROL AND PROTECTION, STANDARD 2316	EACH	6
54800100	TRAFFIC CONTROL AND PROTECTION, STANDARD 2308	EACH	1
50300150	NEOPRENE EXPANSION JOINT 2"	LIN. FT.	258
50300155	NEOPRENE EXPANSION JOINT 2 1/2"	LIN. FT.	62
55000100	MOBILIZATION	L.S. SUM	1
54800420	TRAFFIC CONTROL AND PROTECTION, STANDARD 2315	EACH	1

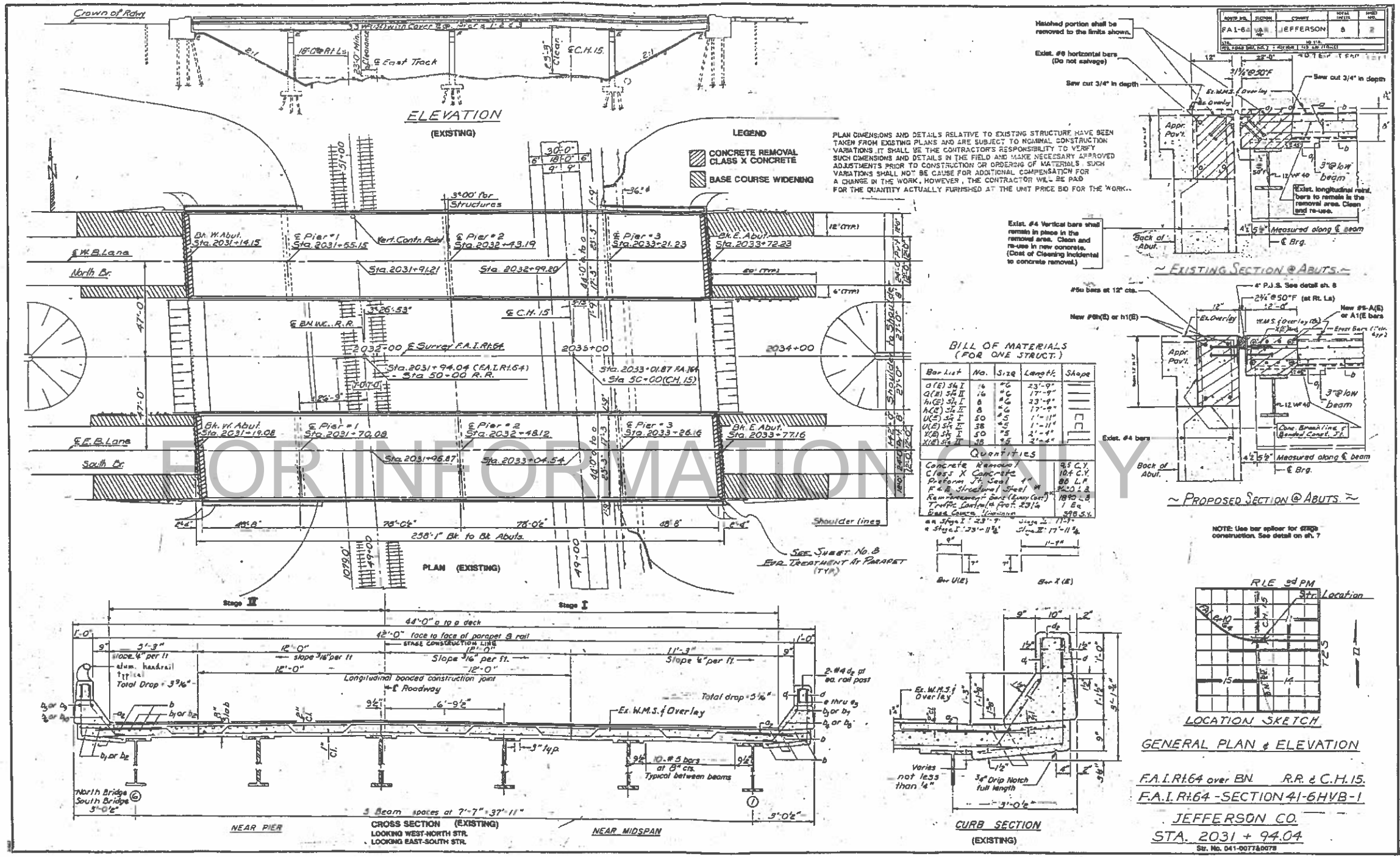


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE: [Signature]
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DATE: [Signature]

CONTRACT NO. 44098





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GENERAL NOTES FOR NEOPRENE EXPANSION JOINT

Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.

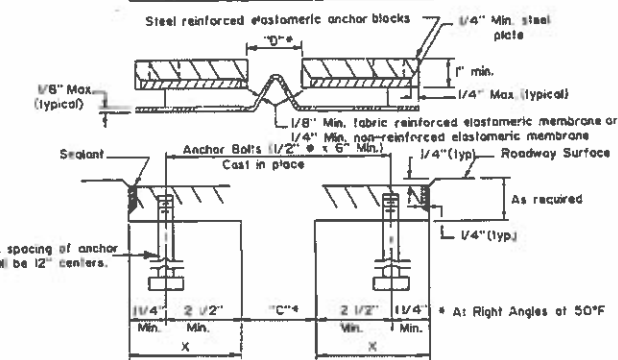
The elastomeric membrane shall be preformed with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.

The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.

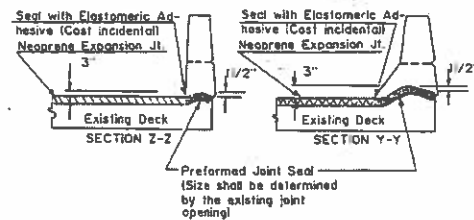
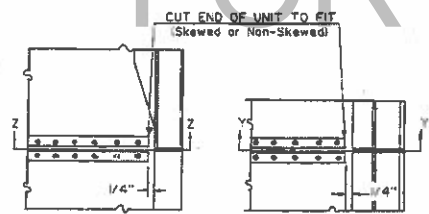
Joint openings shall be adjusted in accordance with Article 503.07(c) of the Standard Specifications.

Preformed Joint Seal End Treatment will not be measured for payment, but shall be considered incidental to neoprene expansion joint.

JOINT SIZE	"C" at 50°F	"D" at 50°F
2 1/2"	2"	1 1/2" min.
4"	2 1/2"	1 3/4" min.
	3"	2 1/2" min.



NOTE: Maximum spacing of anchor bolts shall be 12" centers.



NOTE: See Detail of Preformed Joint Seal Cut-out for Additional Installation Information.
 ANY EXISTING PREFORMED JOINT SEAL SHALL BE REPLACED FOR END TREATMENT.

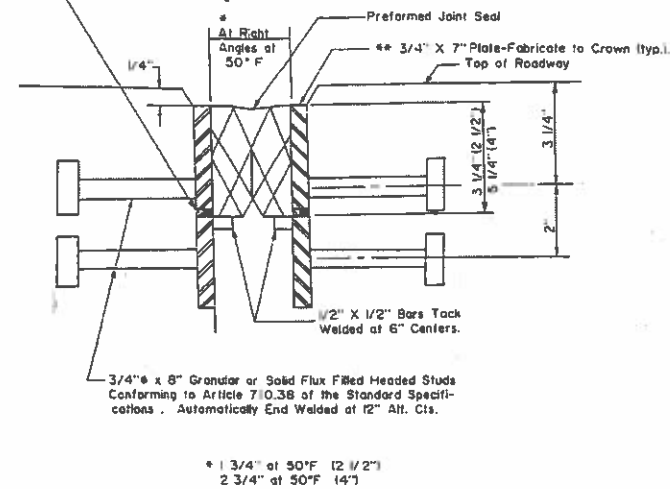
NEOPRENE EXPANSION JOINT DETAIL

GENERAL NOTES FOR PREFORMED JOINT SEAL

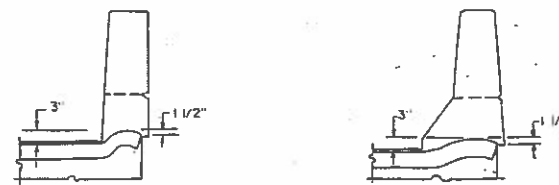
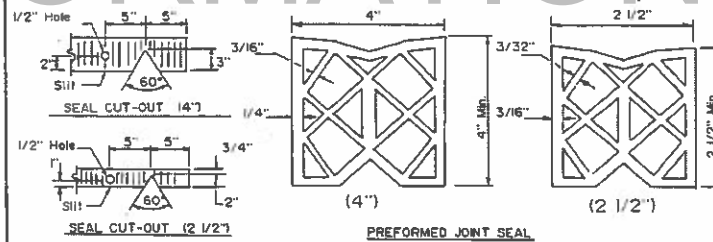
After Fabrication all Surfaces of the Steel Plates shall be Painted in Accordance with the Applicable Portions of Article 509.04 of the Standard Specifications.

Joint Openings shall be adjusted in accordance with Article 503.07 (c) of the Standard Specifications.

7/8" holes at 12" centers for 3/8" bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed. (Typical)



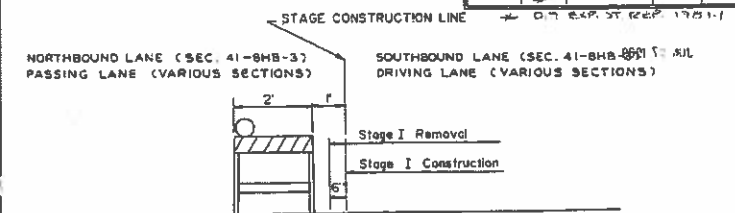
** Furnish in segments of 25 ft. maximum length. Maximum space between installed segments shall be 3/16". Seal space with Silicone Sealant suitable for Structural Steel.



Note: Allow ± 1/4" Gap between end of expansion angle and Base of parapet.

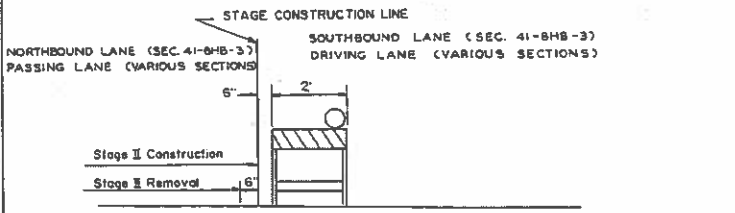
PREFORMED JOINT SEAL DETAIL

PROJECT NO.	SECTION	COUNTY	DATE	SHEET
FAI-64	VAR.	JEFFERSON	8	0



1. PLACE TRAFFIC CONTROL STANDARD 2316 (STAGE II CONSTRUCTION)
2. CONSTRUCT BASE COURSE WIDENING (STAGE II CONSTRUCTION)
3. RELOCATE TRAFFIC CONTROL STANDARD 2316 TO STAGE I CONSTRUCTION
4. CONSTRUCT BASE COURSE WIDENING (STAGE I CONSTRUCTION)
5. CONSTRUCT STAGE I CONSTRUCTION JOINTS

NOTE: SEE GENERAL PLAN AND ELEVATION SHEETS FOR BASE COURSE WIDENING REQUIREMENTS.



1. Relocate Standard 2309 or 2316
2. Remove and Replace the Expansion Joints
3. Remove the Traffic Standard 2309 or 2316

STAGE CONSTRUCTION DETAIL

