

#### \*\*SHIM PLATES REQUIRED

W. Abut, Girder 4 - 018" shim P

Notes:

Two  $^{l}_{g}$ " in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

The horizontal dimension "E" between holes in the cross frame connection plate and L4"x4" angle shall be measured in the field. The holes in the L3"x3" angle shall be field drilled based on this dimension.

Stop fillet weld from connection plate to flange  ${}^l_4$ " from end of connection plate.

Bolts connecting temporary bracing shall be  $^{7}_{8}$ "  $\phi$  bolts in  $1_{16}$ "  $\phi$  holes. All other holes in connection plates shall be  $^{15}_{6}$ "  $\phi$  for  $^{3}_{4}$ "  $\phi$  bolts.

Cost of Stage I and Stage II Temporary Interior Crossframes included with Furnishing and Erecting Structural Steel.

All temporary bracing shall be Grade 50W. All steel plates shall be Grade 50W.

#### WESTBOUND STRUCTURE 025-0111

Location	Girder	Angle "A"	"B" (in.)	"C" (in.)	"D" (in.)
200011011	011 001	7117970 71	<i>D</i> (111.)	0 (///2)	D (1111.)
West Abutment	1	32°08′00"	514"	41/2"	234"
West Abutment	2	31°49′04"	514"	41/2"	234"
West Abutment	3	31°30′00"	514"	41/2"	2 <sup>5</sup> 8"
West Abutment	4	31°30′00"	514"	41/2"	2 <sup>5</sup> 8"
West Abutment	5	31°30′00"	514"	41/2"	2 <sup>5</sup> 8"
West Abutment	6	31°30′00"	514"	41/2"	2 <sup>5</sup> 8"
West Abutment	7	31°30′00"	514"	41/2"	2 <sup>5</sup> 8"
West Abutment	8	31°30′00"	514"	41/2"	2 <sup>5</sup> 8"
West Abutment	9	31°30′00"	514"	41/2"	2 <sup>5</sup> 8"
East Abutment	1	32°08′00"	5½"	4 <sup>5</sup> 8"	278"
East Abutment	2	31°49′04"	5 <sup>1</sup> 2"	4 <sup>5</sup> 8"	278"
East Abutment	3	31°30′00"	5½"	434"	278"
East Abutment	4	31°30′00"	5½"	434"	278"
East Abutment	5	31°30′00"	5 <sup>1</sup> 2"	434"	278"
East Abutment	6	31°30′00"	5 <sup>1</sup> 2"	434"	278"
East Abutment	7	31°30′00"	512"	434"	278"
East Abutment	8	31°30′00"	5 <sup>1</sup> 2"	434"	278"
East Abutment	9	31°30′00"	5 <sup>1</sup> 2"	434"	278"

#### $A \blacktriangleleft$ ---- € Brg. 4/2" 4/2" Rocker Plate 2" x 9" x 1'-9" (W. Abut.) 2" x 9" x 1'-10" (E. Abut.) 111 \*\* Shim plate 1<sub>8</sub>" elastomeric neoprene leveling pad according to the material properties of Article 1052.02 of the Standard Specifications. Cost included with Structural Steel. **ELEVATION**

 $\frac{(W.\ Abut.)}{(E.\ Abut.)} \frac{5^l_4"}{5^l_2"} \frac{(W.\ Abut.)}{5^l_2"} \frac{5^l_4"}{(E.\ Abut.)}$   $\frac{Q}{5^l_2"} \frac{1"\ \phi \times 12"\ Anchor\ Bolts}{ASTM\ A307\ Grade\ C\ with}$   $2^l_4"\ \times 2^l_4"\ \times \frac{5^l_6"}{6} \frac{P}{e}\ washer$ under nut.  $1^3_8"\ \times 2"\ slotted$ hole in flange.  $1^l_2"\ \phi$  holes in bearing plate. See End Girder Details on sheet 55 of 79.

SECTION A-A

Field drill <sup>15</sup><sub>16</sub>" holes for 2-<sup>3</sup><sub>4</sub>" © H.S. Bolts.

Cost included with Furnishing and Erecting Structural Steel.

© Existing Girder

← ¢ WB F.A.I. 57/70

x <sup>3</sup>g" x 6"

© Girder 6
Before Stage I
Deck Pour

STAGE I TEMPORARY
INTERIOR CROSSFRAME

Typ. (Top & Bot.) \( \sigma\_{16} \)

Clip 1" Horizontal—

x 3<sup>l</sup><sub>4</sub>" Vertical Top and Bottom

(Typ.)

(38 Required) (SN 025-0111 shown) (SN 025-0112, Girder 13 similar)

(38 Required)

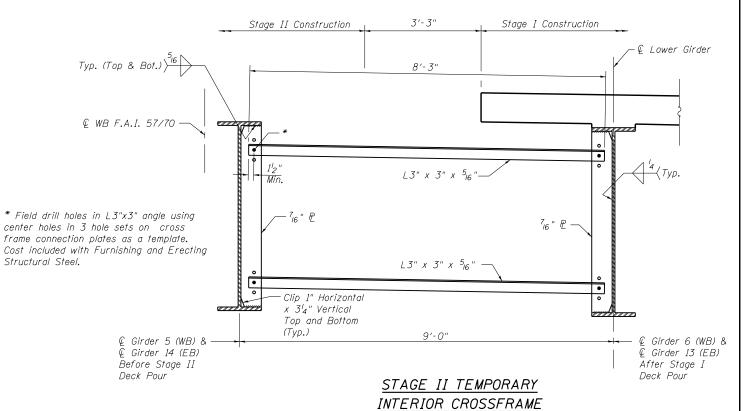
(SN 025-0111 (WB) looking East) (SN 025-0112 (EB) looking West)

#### FIXED BEARING AT ABUTMENTS

(19 Required at West Abutment) (19 Required at East Abutment)

#### EASTBOUND STRUCTURE 025-0112

Location	Girder	Angle "A"	"B" (in.)	"C" (in.)	"D" (in.)
West Abutment	10	31°30′00"	54"	41/2"	234"
West Abutment	11	31°30′00"	5¼"	41/2"	2 <sup>3</sup> 4"
West Abutment	12	31°30′00"	5¼"	41/2"	234"
West Abutment	13	31°30′00"	54"	41/2"	234"
West Abutment	14	31°30′00"	5¼"	41/2"	234"
West Abutment	<i>1</i> 5	31°30′00"	5¼"	41/2"	2 <sup>3</sup> 4"
West Abutment	<i>1</i> 6	30°57′29"	5¼"	41/2"	234"
West Abutment	17	30°24′35"	5¼"	41/2"	2 <sup>5</sup> 8"
West Abutment	18	29°51′19"	5¼"	31/4"	178"
West Abutment	19	29°17′41"	5¼"	2 <sup>5</sup> 8"	4 <sup>5</sup> 8"
East Abutment	10	31°30′00"	5½"	4 <sup>3</sup> 4"	2 <sup>7</sup> 8"
East Abutment	11	31°30′00"	5½"	434"	278"
East Abutment	12	31°30′00"	5½"	434"	2 <sup>7</sup> 8"
East Abutment	13	31°30′00"	5½"	434"	278"
East Abutment	14	31°30′00"	5½"	434"	2 <sup>7</sup> 8"
East Abutment	<i>1</i> 5	31°30′00"	5½"	434"	2 <sup>7</sup> 8"
East Abutment	<i>1</i> 6	30°57′29"	5½"	434"	2 <sup>7</sup> 8"
East Abutment	17	30°24′35"	5½"	434"	234"
East Abutment	18	29°51′19"	5½"	434"	2 <sup>3</sup> 4"
East Abutment	19	29°17′41"	5½"	434"	2 <sup>3</sup> 4"



L3" x 3" x <sup>5</sup>16

 $1_2^{\prime}$ " min.

## TEMPORARY INTERIOR CROSSFRAME INSTALLATION PROCEDURE

- I. Install Stage I temporary Interior Crossframe before Stage I deck pour.
- Remove Stage I temporary Interior Crossframe prior to Stage II removal.
- 3. Install Stage II temporary Interior Crossframe before Stage II deck pour.)
- 4. Remove Stage II temporary Interior Crossframe prior to Stage III closure pour.
- 5. Install permanent Crossframes Prior to Stage III closure pour.

#### BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1" Ø	Each	76

# FILE NAME = 0250/III-74295-056-Structural Steel ABBER NAME = bbovee DESIGNED - BB REVISED BERNARDN-LOCHMUELLER & ASSOCIATES, INC. 3 OAK DRIVE MARTYLLE, ILLANDS 18082 PHORE (1619 388-4686 PAGE (1913) 388-4686 PAGE (1913

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL STRUCTURE NO. 025-0111 & 025-0112					
01110010112 11	0. 0			a 020 0112	
SHEET NO.	56	OF	79	SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
57/70	(25-4HVB-1)BY	EFFINGHAM	1760	591
		CONTRACT	NO. 7	4295
	TILLINOIS FED. AT	ID PROJECT		