STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

BOND ISSUE ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4	-VB 64-1-VB -VB -VB	St. Clair	26 19 3 3	19
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT -		

SHEET NO. 3
30 SHEETS

See detail of Rail Post Bracket and connection on Sheet 14

12 Spaces @ 9'-3¼" = 111'-3"

9'-0½" 9'-5 7/16" 3 sp. @ 9'-3¼" = 27'-9¾"

6'-0" 3 11/16" 6½" 3" 7 1/8"

4 Cor.-U-13.0#
8 Ship-U-16.7#

Web Splice 2-12"x 8" Pl's.

30-WF 108#

Exp. Fix. Exp. Exp. Exp.

SPAN 1 SPAN 2 SPAN 3

Back of N. Abut. ℄ 1.105" 30'0" c.c. brg. ℄ Pier 1 14'3" 46'6" 62'9 c.c. brg. ℄ Pier 2 14'9" 35'9" 30'0" c.c. brg. 3 11/16" ℄ Pier 3

LONGITUDINAL SECTION - INSIDE ELEVATION OF RAIL

OUTSIDE ELEVATION

¼ Pt. ¼ Pt. ¾ Pt. ¼ Pt. ½ Pt. 3 spaces @ 3'-1 7/16" = 9'-4 5/16" Diff. 0

Beams 1 & 10
Beams 2 & 7 to 9 Incl.
Beams 3 & 6

DEAD LOAD DEFLECTION DIAGRAM

8'-6" 8'-6" 1/4" bituminous premoulded joint filler in walk down to top of slab 8'-6" 8'-6"

2" bars-Q.15 @ 6'0" cts. Top of Walk

C.I. Frame & Grate Cut bars in field to fit

5-4" bars Top 5 bars Top of Walk

3-4" bars

7/8" bars-Q.10-bent and 7/8" bars-Q.11-bent bott. @ 7½ alternate cts.
7/8" bars-Q.12-bent top @ 15 cts. Alternate with Q.10 bar

24'0" Approach Notch

7/8" bars-Q.12-bent top @ 6 cts. between Q.10 bars in top of Slab @ Piers 2 & 3

11'6" 7'-3" 11'6"

7" Slab

7/8" bars-X-6 cts. top of Slab See Section Sheet 13

line of Crown Elevations

13'-2½"

℄ Roadway

7/8" bars-10 cts. top-Trp. 7/8" bars-Dir. bott. Reinforcing see Cross Section on Sheet 13

Beam 1
Beam 4
Beam 3
Beam 2
Beam 1

End Diaph. 14 WF 53# 2-6"x4"x⅜" Conn. Lt.

Inter. Diaph. 12" WF 40 4-6"x4"x⅜" Conn. Lt.

7/8" bars-10 @ 9" Cen. Alt. Top & Bott.

10-3/4"x 3'-0" Pipe Splice Pls. Top & Bott. Typ. for 2 & 3

30 WF 108#

7/8" bars Cen. Notes Top and Bottom

End Diaph. 14 WF 53# 2-6"x4"x⅜" Conn. Lt.

℄ End Diaph. on ℄ Jt. Dry.

12" WF 26# Diaph. opp. each float & except at end of span where on Detail "A"

℄ Splice

Detail "A" See Sheet 14

Back of North Abut.

4 Spaces @ 6'-1 25/64" = 24'-5"

1:1.05

PLAN

Note: For details of bars Q.9, Q.11 and X, see Sheet 19
For Bill of Material see Sheet 17

STANDARD	COMPUTED	
	CHECKED	W.J. Wiley
	DRAWN	W.J.W. M. Miller
	CHECKED	W.J.W.
SPECIAL	ASSEMBLED	
	CHECKED	

EXAMINED B-10 1954
W.E. Hanson
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
APPROVED
DIRECTOR OF HIGHWAYS

SPANS 1-2-3
GRADE SEPARATION
MISSOURI PACIFIC R.R.
NORTH OF DUPO
F.A. ROUTE 4 — SEC. 64-1-VB, R.B.I.
ST. CLAIR COUNTY

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

FOR INFORMATION ONLY

Coombe-Bloxdorf P.C.
-CIVIL ENGINEERS-
-STRUCTURAL ENGINEERS-
-LAND SURVEYORS-
Design Firm License No. 184-002703

FILE NAME = ...\103-D876882-exist-bridge-plans-03.dgn	USER NAME = CFC...	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.000000 ' / IN.	CHECKED -	REVISED -
CB JOB NO 09021	PLOT DATE = 8/5/2010	DATE - / /	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 082-0030 PLANS
(ORIGINAL PLANS)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-1VBR	ST. CLAIR	259	103
		CONTRACT NO. 76882		
ILLINOIS	FED. AID PROJECT			