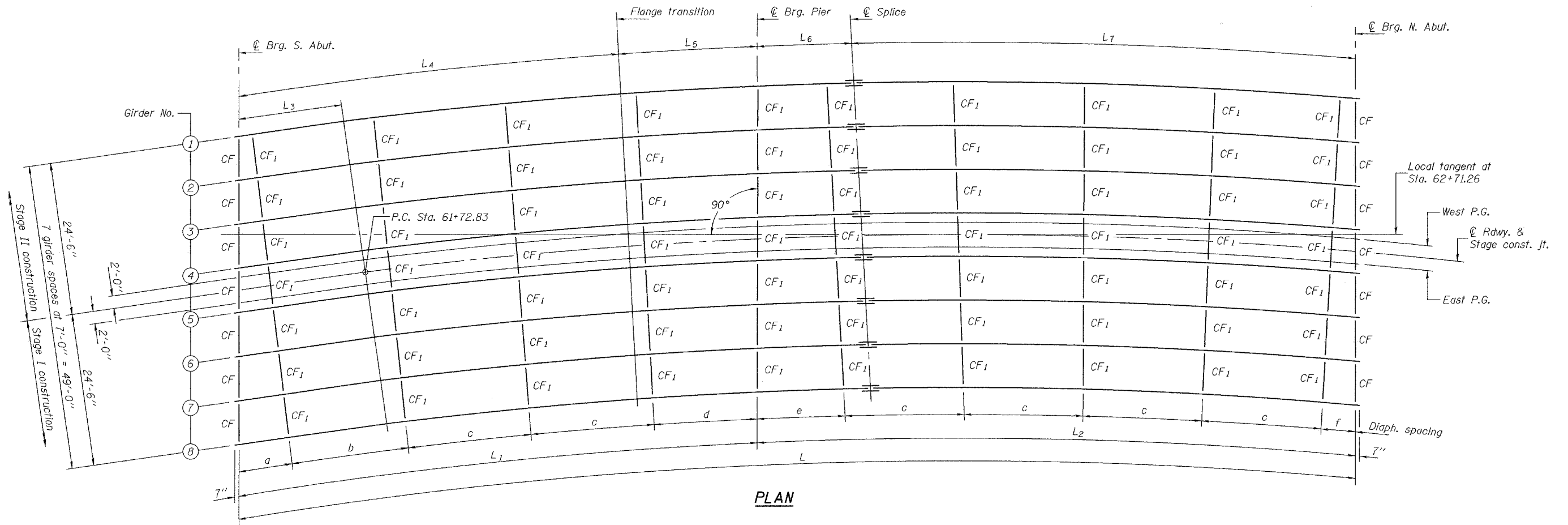
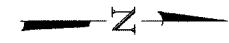
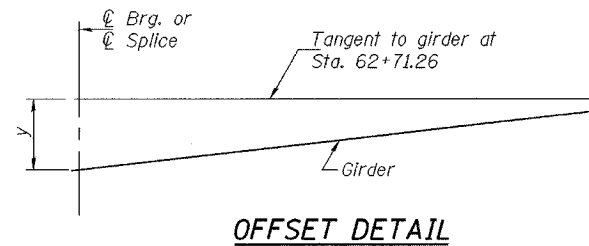


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.I. 80	(50-2) HBR	LaSALLE	160	35 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	Contract No. 86603	



PLAN



OFFSET DETAIL

Notes: All transverse dimensions are given radially or at right angles to the girders.
All longitudinal dimensions are measured along the individual girder.
y dimensions are given perpendicular to the tangent.

TABLE OF "L" DIMENSIONS

Girder No.	L	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇
1	180'-0 ¹ / ₄ "	83'-10 ⁷ / ₈ "	96'-1 ³ / ₈ "	14'-2 ¹ / ₈ "	61'-7"	22'-3 ⁷ / ₈ "	17'-6 ¹ / ₈ "	78'-7 ¹ / ₄ "
2	180'-0 ³ / ₈ "	83'-11"	96'-1 ³ / ₈ "	15'-1 ⁵ / ₈ "	62'-1 ³ / ₁₆ "	21'-9 ¹⁵ / ₁₆ "	17'-7 ³ / ₄ "	78'-5 ⁵ / ₈ "
3	180'-0 ⁷ / ₁₆ "	83'-11 ¹ / ₈ "	96'-1 ³ / ₈ "	16'-1 ³ / ₁₆ "	62'-7 ³ / ₈ "	21'-3 ¹ / ₁₆ "	17'-9 ⁷ / ₁₆ "	78'-3 ⁵ / ₁₆ "
4	180'-0 ⁹ / ₁₆ "	83'-11 ¹ / ₈ "	96'-1 ⁷ / ₁₆ "	17'-0 ¹ / ₁₆ "	63'-1 ⁹ / ₁₆ "	20'-9 ⁹ / ₁₆ "	17'-11 ¹ / ₁₆ "	78'-2 ³ / ₈ "
5	180'-0 ⁵ / ₈ "	83'-11 ³ / ₄ "	96'-1 ⁷ / ₁₆ "	18'-0 ³ / ₁₆ "	63'-7 ³ / ₄ "	20'-3 ⁷ / ₁₆ "	18'-0 ¹ / ₁₆ "	78'-0 ³ / ₄ "
6	180'-0 ³ / ₄ "	83'-11 ¹ / ₄ "	96'-1 ¹ / ₂ "	18'-11 ³ / ₄ "	64'-1 ⁵ / ₁₆ "	19'-9 ⁵ / ₁₆ "	18'-2 ⁵ / ₁₆ "	77'-11 ³ / ₁₆ "
7	180'-0 ¹ / ₂ "	83'-11 ⁵ / ₈ "	96'-1 ¹ / ₂ "	19'-11 ¹ / ₄ "	64'-8 ¹ / ₈ "	19'-3 ³ / ₁₆ "	18'-3 ⁵ / ₁₆ "	77'-9 ⁹ / ₁₆ "
8	180'-0 ⁷ / ₈ "	83'-11 ³ / ₈ "	96'-1 ¹ / ₂ "	20'-10 ¹ / ₁₆ "	65'-2 ⁵ / ₁₆ "	18'-9 ¹ / ₁₆ "	18'-5 ⁵ / ₁₆ "	77'-7 ⁷ / ₈ "

TABLE OF OFFSET DIMENSIONS

Girder No.	☉ Brg. S. Abut.	☉ Brg. Pier	☉ Splice	☉ Brg. N. Abut.
	y	y	y	y
1	8'-10 ⁵ / ₁₆ "	0'-8 ¹ / ₄ "	0'-1 ¹ / ₁₆ "	2'-9"
2	8'-11 ¹ / ₁₆ "	0'-8 ⁵ / ₁₆ "	0'-1 ¹ / ₁₆ "	2'-9 ⁵ / ₁₆ "
3	8'-11 ⁹ / ₁₆ "	0'-8 ¹ / ₁₆ "	0'-1 ¹ / ₁₆ "	2'-9 ⁵ / ₈ "
4	9'-0 ⁵ / ₈ "	0'-8 ¹ / ₂ "	0'-1 ⁵ / ₈ "	2'-9 ⁵ / ₁₆ "
5	9'-1 ⁷ / ₁₆ "	0'-8 ⁹ / ₁₆ "	0'-1 ⁵ / ₈ "	2'-10 ⁵ / ₁₆ "
6	9'-2 ³ / ₁₆ "	0'-8 ¹ / ₁₆ "	0'-1 ⁵ / ₈ "	2'-10 ⁵ / ₁₆ "
7	9'-3"	0'-8 ³ / ₄ "	0'-1 ⁵ / ₈ "	2'-10 ¹ / ₁₆ "
8	9'-3 ³ / ₄ "	0'-8 ¹ / ₁₆ "	0'-1 ⁹ / ₁₆ "	2'-11 ⁵ / ₁₆ "

TABLE OF a THRU f DIMENSIONS

Girder No.	Radius	a	b	c	d	e	f
1	746.28	8'-1 ⁵ / ₈ "	18'-11 ¹ / ₄ "	19'-3 ¹ / ₁₆ "	18'-3 ⁷ / ₈ "	13'-9 ⁹ / ₁₆ "	5'-3 ⁹ / ₁₆ "
2	739.28	9'-1 ¹ / ₄ "	18'-9 ³ / ₄ "	19'-1"	17'-10"	13'-11 ⁵ / ₈ "	5'-9 ³ / ₄ "
3	732.28	10'-0 ³ / ₄ "	18'-8 ¹ / ₁₆ "	18'-10 ¹ / ₁₆ "	17'-4 ³ / ₈ "	14'-1 ¹ / ₁₆ "	6'-4 ⁷ / ₁₆ "
4	725.28	11'-0 ¹ / ₄ "	18'-6 ¹⁵ / ₁₆ "	18'-8 ⁵ / ₈ "	16'-10 ¹ / ₁₆ "	14'-3 ³ / ₄ "	6'-11 ³ / ₁₆ "
5	718.28	11'-11 ³ / ₄ "	18'-5 ³ / ₈ "	18'-6 ¹ / ₂ "	16'-5 ¹ / ₁₆ "	14'-5 ⁷ / ₈ "	7'-5 ⁹ / ₁₆ "
6	711.28	12'-11 ¹ / ₄ "	18'-3 ¹⁵ / ₁₆ "	18'-4 ³ / ₈ "	15'-11 ⁵ / ₁₆ "	14'-7 ⁷ / ₈ "	8'-0 ⁸ / ₈ "
7	704.28	13'-10 ³ / ₄ "	18'-2 ³ / ₈ "	18'-2 ¹ / ₄ "	15'-5 ¹ / ₁₆ "	14'-10"	8'-6 ¹ / ₂ "
8	697.28	14'-10 ¹ / ₄ "	18'-1 ¹ / ₈ "	18'-0"	15'-0"	15'-0"	9'-1 ¹ / ₂ "

*TOP OF WEB ELEVATIONS

Location	☉ Brg. S. Abut.	☉ Brg. Pier	☉ Splice	☉ Brg. N. Abut.
Girder 1	655.61	656.48	656.59	656.14
Girder 2	655.25	655.96	656.03	655.58
Girder 3	654.90	655.44	655.48	655.01
Girder 4	654.55	654.92	654.92	654.44
Girder 5	654.39	654.69	654.68	654.20
Girder 6	654.05	654.17	654.12	653.63
Girder 7	653.71	653.65	653.56	653.06
Girder 8	653.38	653.14	653.01	652.49

*For fabrication only

DESIGNED	CME
CHECKED	RLM
DRAWN	h.t. parsons
CHECKED	CME/RLM

Nov. 29, 2004
 EXAMINED *Thomas J. Damgalak*
 ENGINEER OF BRIDGE DESIGN
 PASSED *Ralph E. Anderson*
 ENGINEER OF BRIDGES AND STRUCTURES

STRUCTURAL STEEL
 F.A.I. RT. 80 - SEC. (50-2)HBR
 LaSALLE COUNTY
 STATION 62+39.22
 STRUCTURE NO. 050-0230