

CAMBER DIAGRAM

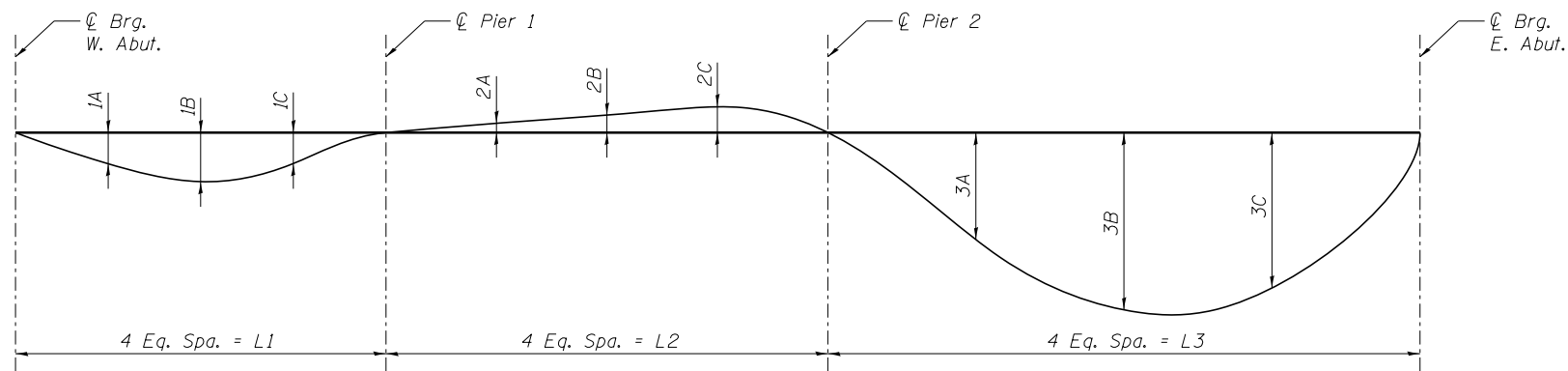
CAMBER ORDINATES

Girder	a	b	c	d	e	f	g	h	i	j	k
1	1 7/8"	2 3/4"	2 1/2"	1 1/2"	1"	1 1/2"	1"	1/4"	3 5/8"	4 1/2"	3 3/8"
2	1 7/8"	2 3/4"	2 1/2"	1 5/8"	1 1/8"	1 1/2"	7/8"	1/4"	3 1/8"	4 1/8"	3"
3	1 7/8"	2 3/4"	2 1/2"	1 5/8"	7/8"	1 1/4"	3/4"	1/4"	3 1/8"	4 1/8"	3"
4	2"	2 7/8"	2 5/8"	1 3/4"	7/8"	1 1/8"	5/8"	1/8"	3 1/8"	4"	2 5/8"

TOP OF WEB ELEVATIONS

(For fabrication only)

Location	Girder 1	Girder 2	Girder 3	Girder 4
℄ Brg. W. Abut.	625.37	625.86	626.35	626.84
℄ Brg. Pier 1	626.57	627.09	627.60	628.12
Splice 1	626.76	627.28	627.80	628.32
℄ Brg. Pier 2	626.82	627.39	627.98	628.54
Splice 2	626.81	627.41	628.03	628.63
℄ Brg. E. Abut.	625.31	626.08	626.83	627.55



STEEL DEFLECTION DIAGRAM

STEEL DEFLECTION TABLE

Girder	1A	1B	1C	2A	2B	2C	3A	3B	3C
1	1/16"	1/8"	1/16"	0"	0"	-1/16"	5/16"	1/2"	7/16"
2	1/16"	1/8"	1/16"	0"	-1/16"	-1/16"	5/16"	9/16"	1/2"
3	1/16"	1/8"	1/16"	0"	-1/16"	-1/16"	3/8"	5/8"	1/2"
4	1/8"	1/8"	1/16"	-1/16"	-1/16"	-1/8"	3/8"	1/16"	9/16"

Notes:

- Negative values indicate upward deflection.
- The calculated deflections of the primary girders/beams under steel self-weight shall be used to detail the diaphragm, cross frame and lateral bracing connections, and to erect the structural steel such that the girders/beams will be plumb within a tolerance of ± 1/8 in. per vertical ft. throughout when supporting their own weight.

NOTE:

For girder length dimensions see design sheet SB22.



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DRAWN - KMS
PLOT SCALE =
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS (2 OF 3)
STRUCTURE NO. 016-1512

SHEET NO. SB24 OF SB43 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
373	(0707-608&611)HB-B	COOK	177	140
CONTRACT NO. 60W77			ILLINOIS FED. AID PROJECT	