



SHEAR CONNECTOR SPACING

GIRDER	n1	x1	S1	S2	n2	x2	n3	x3	S3	S4	n4	x4
1	159	7"	1'-4 ⁵ / ₈ "	1'-4 ⁵ / ₈ "	76	8"	54	8"	1'-9 ³ / ₈ "	1'-5 ⁷ / ₈ "	140	8"
2	159	7"	1'-6 ¹ / ₈ "	1'-4 ¹ / ₈ "	96	7"	52	8"	1'-7 ¹ / ₈ "	1'-6 ⁵ / ₈ "	131	8"
3	139	8"	1'-8 ³ / ₈ "	1'-6 ³ / ₈ "	104	6"	57	8"	1'-4 ³ / ₄ "	1'-7 ¹ / ₄ "	129	8"
4	186	6"	1'-6 ³ / ₈ "	1'-2 ¹ / ₈ "	73	8"	70	7"	1'-7"	1'-10 ¹ / ₄ "	203	5"

GIRDER DIMENSIONS

GIRDER	RADIUS	L	L1	L2	L3	A	B	C	D	E	F	G	H
1	576'-0"	279'-9 ¹ / ₂ "	72'-11 ¹ / ₂ "	87'-8"	119'-2"	94'-1 ⁵ / ₈ "	90'-10"	94'-9 ⁷ / ₈ "	21'-2 ¹ / ₈ "	52'-6 ⁵ / ₈ "	13'-11 ¹ / ₄ "	24'-4 ¹ / ₈ "	66'-5 ⁷ / ₈ "
2	585'-4"	277'-9 ³ / ₄ "	72'-9 ¹ / ₄ "	87'-2 ¹ / ₂ "	117'-10"	94'-3 ¹ / ₈ "	94'-8"	88'-10 ⁵ / ₈ "	21'-5 ¹ / ₈ "	57'-10 ¹ / ₈ "	7'-10 ¹ / ₂ "	28'-11 ³ / ₈ "	65'-8 ⁵ / ₈ "
3	594'-8"	275'-11 ³ / ₈ "	72'-7 ¹ / ₈ "	86'-9 ¹ / ₄ "	116'-7"	94'-4 ³ / ₄ "	93'-11 ³ / ₈ "	87'-7 ¹ / ₄ "	21'-9 ⁵ / ₈ "	54'-0 ⁵ / ₈ "	10'-11"	28'-11 ³ / ₄ "	64'-11 ⁵ / ₈ "
4	604'-0"	274'-2 ¹ / ₈ "	72'-5 ¹ / ₈ "	86'-4 ¹ / ₂ "	115'-5 ¹ / ₄ "	94'-6 ¹ / ₂ "	93'-3 ¹ / ₈ "	86'-5 ¹ / ₄ "	22'-1 ³ / ₈ "	50'-4 ¹ / ₈ "	13'-11"	29'-0"	64'-3 ¹ / ₈ "

NOTES:

- All structural steel shall be AASHTO M270 Grade 50 steel. All structural steel shall be metallized.
- All bearing stiffeners, connection plates and gusset plates shall comply with NTR.
- Load carrying components designated "NTR" shall conform to the Impact Testing Requirements, Zone 2.

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FILE NAME =	USER NAME = ksnyder	DESIGNED - JHG	REVISED -
0161512.60W77.022.Girder.Elev.dgn		CHECKED - KWS/MJF	REVISED -
		DRAWN - KMS	REVISED -
		CHECKED - KWS/RJT	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GIRDER ELEVATION
STRUCTURE NO. 016-1512**

SHEET NO. SB22 OF SB43 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
373	(0707-608&611)HB-B	COOK	177	138
CONTRACT NO. 60W77			ILLINOIS FED. AID PROJECT	

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