

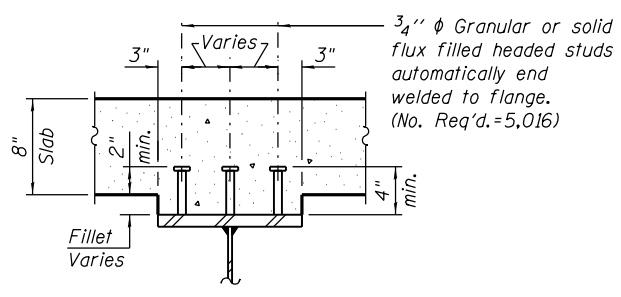
GIRDER ELEVATION - UNIT V
(Connection and Splice ℓ 's not shown for clarity)

Girder	AA	BB	CC	DD	EE	FF
1, 2, 3	1"x18"	1 1/2"x18"	2"x22"	2"x22"	1"x18"	1"x22"
4, 5, 6	1"x18"	1"x18"	2"x20"	2"x20"	1"x18"	1"x18"

GIRDER DIMENSIONS - UNIT V
(All Dimensions in Feet)

Girder	Radius	L*	S1	S2	A	B	C	D	C1	C2	C3
1	560.417	262.000	125.631	136.369	81.006	44.625	39.437	53.032	122 Spa at 8"	85 Spa at 12"	117 Spa at 10"
2	552.250	258.801	123.780	135.021	79.804	43.976	38.862	52.259	80 Spa at 12"	63 Spa at 16"	116 Spa at 10"
3	544.083	255.600	121.926	133.674	78.602	43.325	38.287	51.487	79 Spa at 12"	62 Spa at 16"	115 Spa at 10"
4	535.917	252.400	120.073	132.327	77.399	42.674	37.713	50.714	104 Spa at 9"	65 Spa at 15"	114 Spa at 10"
5	527.750	249.200	118.221	130.979	76.197	42.024	37.138	49.940	92 Spa at 10"	80 Spa at 12"	113 Spa at 10"
6	519.583	246.000	116.368	129.631	74.994	41.375	36.563	49.168	75 Spa at 12"	78 Spa at 12"	94 Spa at 12"

* Girder Length "L" excludes girder ends beyond first & last bearings.



SECTION A-A

NOTES:

1. See Sheet S-91 for girder framing plan.
2. See Sheet S-93 for camber & top of web elevations.
3. See Sheet S-94 for moment tables & reaction tables.
4. See Sheet S-99 for girder bolted field splice details.
5. See Sheets S-100 thru S-102 for girder cross frame details.
6. All structural steel shall be AASHTO M270 Grade 50.
7. Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.

0161705-60W28-5092-GirderElev.dgn



USER NAME = floresg	DESIGNED - DD	REVISED
	CHECKED - ATB	REVISED
PLOT SCALE = N.T.S.	DRAWN - MRK	REVISED
PLOT DATE = 5/7/2014	CHECKED - DD	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GIRDER ELEVATIONS - UNIT V
STRUCTURE NO. 016-1705**

SHEET NO. S-92 OF S-165 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	408
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	