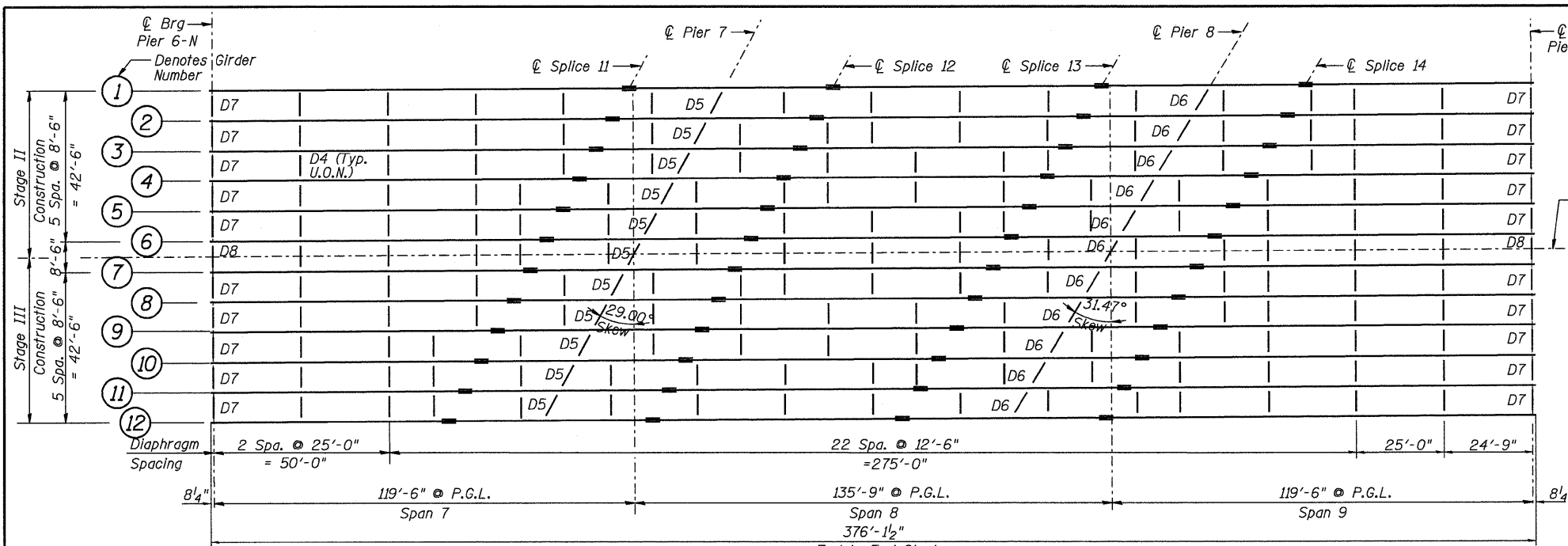


F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	465 (HB&VB) F	COOK	31	20
STA. 173+50 TO STA. 195+00		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		
Contract # 60121		SHEET NO. S25 of S30		

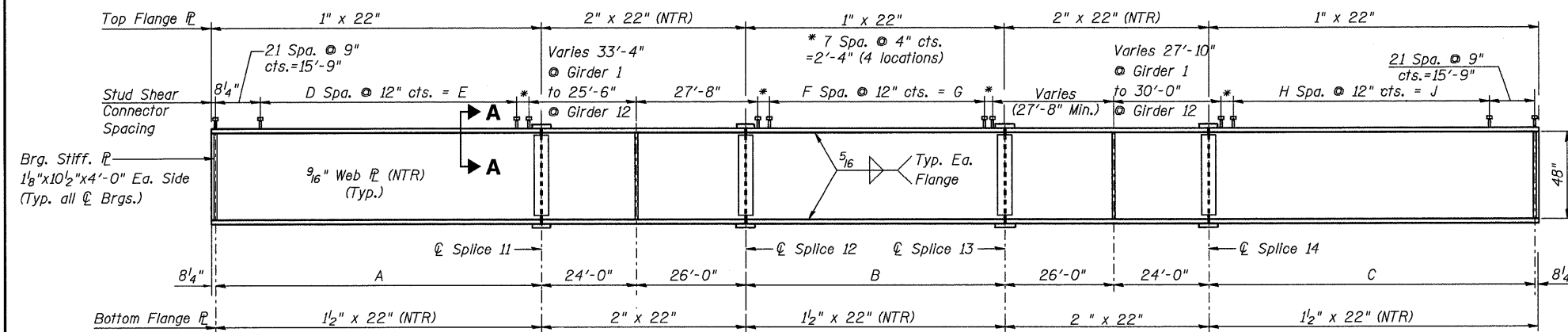
CAMBER SUMMARY (UNIT 2)

Location	Girder Number					
	1	2	3	4	5	6
K	3 7/8"	3 1/2"	3 1/2"	3"	2 5/8"	2 3/8"
L	5 1/4"	4 7/8"	4 1/2"	4 1/8"	3 3/4"	3 3/8"
M	3 7/8"	3 1/2"	3 1/2"	3"	2 5/8"	2 3/8"
N	2 1/8"	2 1/8"	2"	2"	2"	2"
P	3 1/2"	3 3/8"	3 3/8"	3 3/8"	3 1/4"	3 1/4"
Q	2 1/8"	2 1/8"	2"	2"	2"	2"
R	1"	1 1/8"	1 3/8"	1 1/2"	1 7/8"	2 1/8"
S	1 3/8"	1 5/8"	1 7/8"	2 1/8"	2 1/2"	2 7/8"
T	1"	1 1/8"	1 3/8"	1 1/2"	1 7/8"	2 1/8"

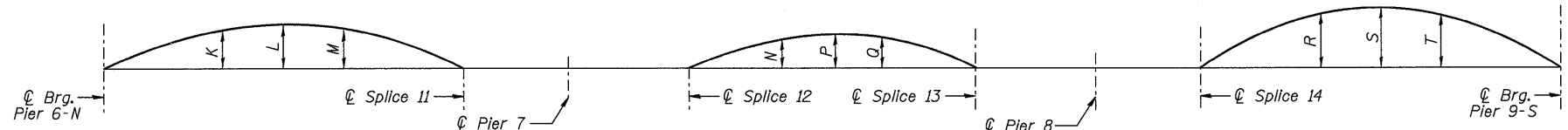
Location	Girder Number					
	7	8	9	10	11	12
K	2 1/8"	1 7/8"	1 5/8"	1 3/8"	1 1/4"	1 1/8"
L	3"	2 5/8"	2 1/4"	1 7/8"	1 5/8"	1 1/2"
M	2 1/8"	1 7/8"	1 5/8"	1 3/8"	1 1/4"	1 1/8"
N	2"	2"	2"	2"	2"	2"
P	3 1/4"	3 1/4"	3 1/4"	3 1/8"	3 1/8"	3 1/4"
Q	2"	2"	2"	2"	2"	2"
R	2 1/2"	2 3/4"	3 1/8"	3 1/2"	3 3/4"	4 1/8"
S	3 3/8"	3 7/8"	4 1/4"	4 3/4"	5 1/4"	5 5/8"
T	2 1/2"	2 3/4"	3 1/8"	3 1/2"	3 3/4"	4 1/8"



FRAMING PLAN (UNIT 2)



GIRDER ELEVATION (UNIT 2)



CAMBER DIAGRAM (UNIT 2)

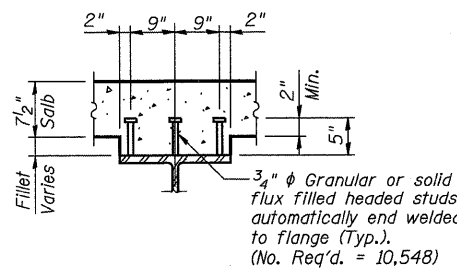
TOP OF WEB ELEVATIONS (UNIT 2)

For Fabrication Only

Girder No.	Pier 6-N	Splice 11	Pier 7	Splice 12	Splice 13	Pier 8	Splice 14	Pier 9-S
1	676.65	678.27	678.38	678.43	678.25	678.07	677.80	676.87
2	676.82	678.40	678.53	678.58	678.45	678.29	678.03	677.04
3	676.99	678.53	678.67	678.74	678.65	678.50	678.26	677.21
4	677.16	678.65	678.81	678.89	678.85	678.71	678.49	677.38
5	677.33	678.78	678.95	679.04	679.04	678.92	678.72	677.55
6	677.50	678.89	679.08	679.19	679.23	679.13	678.95	677.72
7	677.50	678.84	679.05	679.17	679.24	679.16	679.00	677.72
8	677.33	678.62	678.84	678.98	679.09	679.02	678.88	677.55
9	677.16	678.39	678.63	678.78	678.93	678.88	678.76	677.38
10	676.99	678.16	678.42	678.59	678.77	678.74	678.64	677.21
11	676.82	677.93	678.20	678.39	678.60	678.59	678.50	677.04
12	676.65	677.70	677.99	678.19	678.44	678.42	678.37	676.87

GIRDER INFORMATION (UNIT 2)

Girder No.	A	B	C	D	E	F	G	H	J
1	121'-4 15/16"	86'-5 7/16"	66'-10 5/8"	94	94.00	78	78.00	45	45.00
2	116'-8 7/16"	85'-11 1/2"	72'-1 1/16"	90	90.00	78	78.00	50	50.00
3	111'-11 7/8"	85'-5 5/8"	77'-3 1/2"	86	86.00	77	77.00	55	55.00
4	107'-6 3/8"	84'-11 3/4"	82'-5 15/16"	82	82.00	77	77.00	60	60.00
5	102'-6 13/16"	84'-5 13/16"	87'-8 3/8"	78	78.00	76	76.00	65	65.00
6	97'-10 1/4"	83'-11 15/16"	92'-10 13/16"	74	74.00	76	76.00	70	70.00
7	93'-1 3/4"	83'-6 1/16"	98'-1 3/16"	70	70.00	75	75.00	75	75.00
8	88'-5 3/16"	83'-0 3/16"	103'-3 5/8"	66	66.00	75	75.00	80	80.00
9	83'-8 5/8"	82'-6 1/4"	108'-6 1/16"	62	62.00	74	74.00	85	85.00
10	79'-0 1/8"	82'-0 3/8"	113'-8 1/2"	58	58.00	74	74.00	90	90.00
11	74'-3 9/16"	81'-6 1/2"	118'-10 15/16"	54	54.00	73	73.00	95	95.00
12	69'-7 1/16"	81'-0 9/16"	124'-1 3/8"	50	50.00	73	73.00	100	100.00



SECTION A-A

EARTH TECH | AECOM

Notes:

- See Sheets S27 & S28 for diaphragm & splice details, respectively. Also, see Sheet S28 for interior girder moment & reaction tables.
- AASHTO M270 Grade 50 steel shall be used for all flanges, webs, & splice plate material. AASHTO M270 Grade 36 steel may be used for all diaphragms.
- Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness (Zone 2) including tension flanges, webs, & all splice plate material (except fill plates).

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FRAMING PLAN & ELEVATION II
 FAP 330 US 12/45 (MANNHEIM RD.) OVER
 SOO LINE RR & FRANKLIN AVE.
 STRUCTURE NO. 016-2815
 SECTION 465 (HB & VB) F COOK COUNTY
 STA. 183+33.30 DRAWN BY JHR
 DATE 6/2009 CHECKED BY CLS