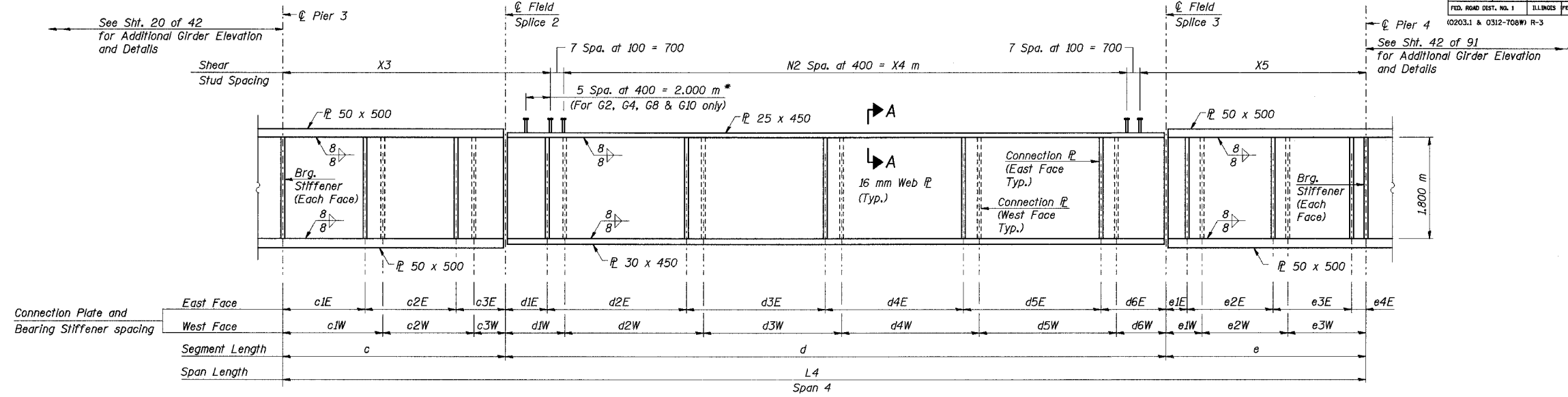


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F. A. I. 80/94	SECTION •	COUNTY COOK	TOTAL SHEETS 870	SHEET NO. 554	SHEET NO. 40 91 SHEETS
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT (0203.1 & 0312-708W) R-3		CONTRACT NO. 62108	



ELEVATION - GIRDERS 1 THRU 12 EXCEPT 3 & 9

(All Plates AASHTO M270M Grade 345, N.T.R.)
Looking West, Girder East Face shown

* Adjust shear connector spacing to miss top connection \bar{r} to head beams.

GIRDER CONNECTION PLATE & BEARING STIFFENER SPACING (Meters)

Girder No.	Girder East Side													Girder West Side											
	c1E	c2E	c3E	d1E	d2E	d3E	d4E	d5E	d6E	e1E	e2E	e3E	e4E	c1W	c2W	c3W	d1W	d2W	d3W	d4W	d5W	d6W	e1W	e2W	e3W
1	4.368	4.750	2.489	2.266	7.268	7.248	7.230	7.212	3.326	1.181	4.501	4.198	0.598	-	-	-	-	-	-	-	-	-	-	-	-
2	4.281	4.692	2.634	2.231	7.304	7.277	7.251	7.227	3.265	1.249	4.506	4.273	0.453	5.133	4.750	1.724	3.020	7.243	7.224	7.205	7.187	2.676	1.817	4.486	4.178
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	4.370	4.797	2.554	2.247	7.333	7.304	7.276	7.250	3.338	1.189	4.518	4.238	0.546	5.266	4.689	1.766	3.081	7.266	7.242	7.219	7.197	2.743	1.752	4.488	4.251
5	4.375	4.797	2.549	2.251	7.340	7.318	7.297	7.277	3.346	1.202	4.540	4.224	0.575	5.225	4.797	1.699	3.090	7.304	7.275	7.248	7.223	2.689	1.822	4.502	4.217
6	4.375	4.797	2.549	2.250	7.340	7.325	7.309	7.295	3.401	1.160	4.555	4.199	0.685	5.220	4.797	1.704	3.087	7.311	7.290	7.270	7.252	2.710	1.823	4.525	4.251
7	4.375	4.797	2.549	2.250	7.340	7.326	7.312	7.299	3.429	1.135	4.560	4.186	0.742	5.220	4.797	1.704	3.089	7.321	7.306	7.291	7.276	2.673	1.876	4.544	4.203
8	4.279	4.825	2.617	2.212	7.381	7.358	7.337	7.317	3.353	1.219	4.565	4.279	0.561	5.220	4.797	1.704	3.090	7.324	7.311	7.297	7.284	2.652	1.903	4.550	4.171
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	4.377	4.850	2.623	2.231	7.414	7.386	7.360	7.334	3.456	1.124	4.571	4.187	0.753	5.369	4.823	1.658	3.156	7.351	7.332	7.313	7.294	2.735	1.823	4.552	4.260
11	4.377	4.850	2.623	2.231	7.414	7.387	7.361	7.336	3.460	1.122	4.573	4.186	0.760	5.323	4.850	1.677	3.165	7.386	7.358	7.332	7.306	2.642	1.922	4.554	4.165
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SHEAR CONNECTOR NUMBERS

Girder No.	N2
1	74
2	72
3	-
4	72
5	76
6	76
7	76
8	72
9	-
10	72
11	76
12	76

SHEAR CONNECTOR LOCATIONS (Meters)

Girder No.	X3	X4	X5
1	12.753	29.600	12.882
2	14.499	28.800	11.944
3	-	-	-
4	15.157	28.800	11.603
5	13.078	30.400	12.213
6	13.177	30.400	12.263
7	12.956	30.400	12.544
8	14.747	28.800	12.356
9	-	-	-
10	15.004	28.800	12.462
11	12.925	30.400	12.955
12	12.951	30.400	12.941

Notes:

- All dimensions are in millimeters (mm) except as noted.
- See Sht. No. 43 of 91 for Section A-A.
- See Sht. No. 35 of 91 for Dimension c, d, e and L4.
- Work this sheet with Sheet Nos. 39, 45 - 48 of 91.
- N.T.R. denotes notch toughness requirements are applicable.

DESIGNED	JY
CHECKED	MEA
DRAWN	LK
CHECKED	MEA

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-94 EAST BOUND / IL 394 SOUTH BOUND
GIRDER ELEVATION AND DETAILS
SPAN 4
SB IL ROUTE 394 OVER THORN CREEK
F.A.P. 332 SECTION (02033.1 & 0312-708W) R-3
COOK COUNTY
STA. 440+704.350 STRUCTURE NO. 016-2800
DATE JUL 18, 2005
SCALE ---

HNTB

JBeauchamp
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08-JUL-2005 13:48