



**FORM DQP 2.01-1  
LEVEL 1 CHECK PRINT SIGN-OFF SHEET**

Client Name: Ohio Department of Transportation

Job Title: Cleveland Innerbelt Design-Build Contract

Job Number: CUY-90-14.90

Document Title: Unit 2 - Walsh C.W. check - Girder Haunch Heights

Check Level (Mark One):  1A 100% Document Check + Stringer Haunch Heights

1B 100% Input Check

Enter description below:

	Print Name	Signature	Date
<input type="checkbox"/> Originator	<u>SARAH LARSON</u>	<u>Sarah Larson</u>	<u>5-9-12</u>
<input checked="" type="checkbox"/> Checker	<u>David Glastetter</u>	<u>D. Glastetter</u>	<u>6/13/12</u>
<input checked="" type="checkbox"/> Backchecker	<u>SARAH LARSON</u>	<u>Sarah Larson</u>	<u>6-18-12</u>
<input checked="" type="checkbox"/> Updater	<u>SARAH LARSON</u>	<u>Sarah Larson</u>	<u>6-18-12</u>
<input checked="" type="checkbox"/> Validator	<u>David Glastetter</u>	<u>D. Glastetter</u>	<u>6/18/12</u>

Insert an "X" in the box to indicate a required QC activity.

<b>HNTB</b> The HNTB Companies	Made	<b>SJL</b>	Date	<b>5/9/2012</b>	Job Number	<b>49633</b>
	Checked	<b>DJG</b>	Date	<b>5/14/2012</b>		
	For	<b>Cleveland Innerbelt - Unit 2</b>	Backchk'd	<b>SJL</b>	Date	<b>5/16/2012</b>
\\kcow00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check\Haunch_Height_comparison_2012-5-1.xlsm\New Deck Elev					Sheet No.	

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

Active Alignment (ML-I-90 WB) Station	Perpendicular Distance from Active Alignment to Specified Alignment Offset is 0.0000	Specified Alignment Coordinates (RT-SpDitch116+03)			Interpolated Deck Elev (from Geometry) (ft)	Elev Difference (in)	Interpolated			Top Flange Width (in)	Haunch at Edge	
		X	Y	Z			Original Haunch Height (in)	New Haunch Height at CL Girder (in)	Cross- Slope (%)		of Flange with	
											Station	Station
<b>Girder 1</b>												
145+00.00		703.89		145+00.00	703.895	-0.06	4.290	4.23	4.00	30	4.83	3.63
145+10.00		703.85		145+10.00	703.851	-0.01	4.326	4.31	4.00	30	4.91	3.71
145+20.00		703.8		145+20.00	703.807	-0.08	4.345	4.26	4.00	30	4.86	3.66
145+30.00		703.76		145+30.00	703.763	-0.03	4.362	4.33	4.00	32	4.97	3.69
145+40.00		703.72		145+40.00	703.718	0.02	4.383	4.40	4.00	32	5.04	3.76
145+50.00		703.67		145+50.00	703.674	-0.05	4.403	4.35	4.00	32	4.99	3.71
145+60.00		703.63		145+60.00	703.630	0.00	4.416	4.42	4.00	32	5.06	3.78
145+70.00		703.58		145+70.00	703.585	-0.07	4.422	4.36	4.00	32	5.00	3.72
145+80.00		703.54		145+80.00	703.541	-0.02	4.372	4.35	4.00	32	4.99	3.71
145+90.00		703.49		145+90.00	703.497	-0.09	3.724	3.64	4.00	32	4.28	3.00
146+00.00		703.45		146+00.00	703.453	-0.03	3.617	3.58	4.00	32	4.22	2.94
146+10.00		703.41		146+10.00	703.409	0.02	3.365	3.38	4.00	32	4.02	2.74
146+20.00		703.36		146+20.00	703.365	-0.06	3.236	3.18	4.00	32	3.82	2.54
146+30.00		703.32		146+30.00	703.320	0.00	3.140	3.14	4.00	32	3.78	2.50
146+40.00		703.27		146+40.00	703.276	-0.07	3.038	2.97	4.00	32	3.61	2.33
146+50.00		703.23		146+50.00	703.232	-0.02	2.943	2.92	4.00	32	3.56	2.28
146+60.00		703.19		146+60.00	703.188	0.03	2.848	2.88	4.00	32	3.52	2.24
146+70.00		703.15		146+70.00	703.143	0.08	2.753	2.84	4.00	32	3.48	2.20
146+80.00		703.1		146+80.00	703.099	0.01	2.672	2.68	4.00	32	3.32	2.04
146+90.00		703.06		146+90.00	703.055	0.06	2.610	2.67	3.99	32	3.31	2.03
147+00.00		703.02		147+00.00	703.011	0.11	2.563	2.68	3.99	32	3.32	2.04
147+10.00		702.98		147+10.00	702.966	0.17	2.537	2.70	3.99	32	3.34	2.07
147+20.00		702.93		147+20.00	702.922	0.09	2.535	2.63	3.98	32	3.27	1.99
147+30.00		702.89		147+30.00	702.878	0.14	2.556	2.70	4.02	36	3.42	1.97
147+40.00		702.86		147+40.00	702.834	0.31	2.415	2.72	4.02	36	3.45	2.00
147+50.00		702.84		147+50.00	702.804	0.43	2.360	2.79	4.02	36	3.52	2.07
147+60.00		702.84		147+60.00	702.821	0.22	2.389	2.61	3.95	36	3.32	1.90
147+70.00		702.84		147+70.00	702.840	0.00	2.418	2.42	3.84	36	3.11	1.73
147+80.00		702.85		147+80.00	702.858	-0.10	2.442	2.35	3.67	36	3.01	1.68
147+90.00		702.88		147+90.00	702.880	0.00	2.457	2.46	3.65	36	3.11	1.80
148+00.00		702.92		148+00.00	702.926	-0.07	2.481	2.41	3.71	36	3.08	1.74
148+10.00		702.98		148+10.00	702.973	0.08	2.488	2.57	3.78	36	3.25	1.89
148+20.00		703.04		148+20.00	703.023	0.21	2.504	2.71	3.86	36	3.40	2.01
148+30.00		703.1		148+30.00	703.074	0.31	2.524	2.84	3.94	36	3.55	2.13
148+40.00		703.15		148+40.00	703.123	0.32	2.524	2.85	3.52	36	3.48	2.21
148+50.00		703.2		148+50.00	703.152	0.58	2.548	3.13	3.22	36	3.71	2.55
148+60.00		703.23		148+60.00	703.182	0.57	2.552	3.12	3.27	36	3.71	2.53
148+70.00		703.26		148+70.00	703.214	0.55	2.567	3.12	3.27	36	3.70	2.53
148+80.00		703.3		148+80.00	703.247	0.64	2.583	3.22	3.44	36	3.84	2.60
148+90.00		703.33		148+90.00	703.282	0.58	2.596	3.18	3.40	36	3.79	2.56
149+00.00		703.36		149+00.00	703.316	0.52	2.616	3.14	3.35	36	3.74	2.54
149+10.00		703.38		149+10.00	703.352	0.33	2.635	2.97	3.46	36	3.59	2.34
149+20.00		703.39		149+20.00	703.389	0.01	2.654	2.67	3.44	36	3.29	2.05
149+30.00		703.39		149+30.00	703.409	-0.23	2.728	2.50	3.46	36	3.12	1.88
149+40.00		703.38		149+40.00	703.376	0.05	2.941	2.99	3.48	32	3.55	2.44
149+50.00		703.36		149+50.00	703.342	0.21	2.836	3.05	3.43	32	3.60	2.50
149+60.00		703.33		149+60.00	703.309	0.26	2.510	2.77	3.39	32	3.31	2.23
149+70.00		703.3		149+70.00	703.275	0.30	2.386	2.69	3.33	32	3.22	2.16
149+80.00		703.26		149+80.00	703.241	0.23	2.351	2.58	3.28	32	3.10	2.05
149+90.00		703.22		149+90.00	703.207	0.16	2.314	2.47	3.22	32	2.99	1.96
150+00.00		703.18		150+00.00	703.173	0.09	2.285	2.37	3.00	32	2.85	1.89

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

Active Alignment (ML-I-90 WB) Station	Perpendicular Distance from Active Alignment to Specified Alignment Offset is 0.0000	Specified Alignment Coordinates (RT-SpDitch116+03)			Interpolated Deck Elev (from Geometry) (ft)	Elev Difference (in)	Interpolated			Top Flange Width (in)	Haunch at Edge of Flange with Cross-Slope (in)	
		X	Y	Z			Station	Interpolated Original Haunch Height (in)	New Haunch Height at CL Girder (in)			Cross- Slope (%)
<b>Girder 2</b>												
145+00.00		703.73	145+00.00	703.728	0.02	4.218	4.24	2.00	30	4.54	3.94	
145+10.00		703.68	145+10.00	703.681	-0.01	4.233	4.22	2.00	30	4.52	3.92	
145+20.00		703.63	145+20.00	703.633	-0.04	4.248	4.21	2.00	30	4.51	3.91	
145+30.00		703.59	145+30.00	703.586	0.05	4.264	4.31	2.00	32	4.63	3.99	
145+40.00		703.54	145+40.00	703.539	0.01	4.277	4.29	2.00	32	4.61	3.97	
145+50.00		703.49	145+50.00	703.492	-0.03	4.295	4.27	2.00	32	4.59	3.95	
145+60.00		703.44	145+60.00	703.445	-0.06	4.321	4.26	2.00	32	4.58	3.94	
145+70.00		703.4	145+70.00	703.397	0.03	4.345	4.38	2.00	32	4.70	4.06	
145+80.00		703.35	145+80.00	703.350	0.00	4.314	4.31	2.00	32	4.63	3.99	
145+90.00		703.3	145+90.00	703.303	-0.04	3.686	3.65	2.00	32	3.97	3.33	
146+00.00		703.25	146+00.00	703.256	-0.08	3.582	3.51	2.00	32	3.83	3.19	
146+10.00		703.21	146+10.00	703.209	0.01	3.348	3.36	2.00	32	3.68	3.04	
146+20.00		703.16	146+20.00	703.161	-0.02	3.232	3.21	2.00	32	3.53	2.89	
146+30.00		703.11	146+30.00	703.114	-0.05	3.153	3.10	2.00	32	3.42	2.78	
146+40.00		703.07	146+40.00	703.067	0.04	3.062	3.10	2.00	32	3.42	2.78	
146+50.00		703.02	146+50.00	703.020	0.00	2.961	2.96	2.00	32	3.28	2.64	
146+60.00		702.98	146+60.00	702.973	0.09	2.865	2.95	2.00	32	3.27	2.63	
146+70.00		702.93	146+70.00	702.925	0.05	2.776	2.83	2.00	32	3.15	2.51	
146+80.00		702.88	146+80.00	702.878	0.02	2.690	2.71	2.00	32	3.03	2.39	
146+90.00		702.84	146+90.00	702.831	0.11	2.617	2.73	2.01	32	3.05	2.41	
147+00.00		702.79	147+00.00	702.784	0.07	2.560	2.63	2.01	32	2.96	2.31	
147+10.00		702.75	147+10.00	702.737	0.16	2.525	2.68	2.01	32	3.01	2.36	
147+20.00		702.7	147+20.00	702.689	0.13	2.523	2.65	2.02	32	2.97	2.33	
147+30.00		702.66	147+30.00	702.642	0.22	2.533	2.75	2.03	36	3.11	2.38	
147+40.00		702.63	147+40.00	702.595	0.42	2.389	2.81	2.05	36	3.18	2.44	
147+50.00		702.59	147+50.00	702.557	0.39	2.331	2.72	2.10	36	3.10	2.35	
147+60.00		702.56	147+60.00	702.550	0.12	2.353	2.47	2.16	36	2.86	2.08	
147+70.00		702.54	147+70.00	702.543	-0.04	2.381	2.34	2.23	36	2.74	1.94	
147+80.00		702.52	147+80.00	702.537	-0.21	2.396	2.19	2.33	36	2.61	1.77	
147+90.00		702.51	147+90.00	702.530	-0.24	2.421	2.18	2.43	36	2.61	1.74	
148+00.00		702.52	148+00.00	702.525	-0.06	2.437	2.37	2.56	36	2.83	1.91	
148+10.00		702.52	148+10.00	702.520	0.01	2.452	2.46	2.69	36	2.94	1.97	
148+20.00		702.52	148+20.00	702.515	0.06	2.464	2.52	2.82	36	3.03	2.02	
148+30.00		702.52	148+30.00	702.511	0.11	2.476	2.58	2.95	36	3.12	2.05	
148+40.00		702.53	148+40.00	702.509	0.25	2.496	2.75	3.08	36	3.30	2.19	
148+50.00		702.53	148+50.00	702.509	0.25	2.512	2.76	3.20	36	3.34	2.19	
148+60.00		702.54	148+60.00	702.510	0.36	2.527	2.89	3.32	36	3.49	2.29	
148+70.00		702.54	148+70.00	702.512	0.33	2.550	2.88	3.44	36	3.50	2.26	
148+80.00		702.55	148+80.00	702.516	0.41	2.571	2.98	3.55	36	3.62	2.34	
148+90.00		702.55	148+90.00	702.520	0.36	2.595	2.95	3.66	36	3.61	2.29	
149+00.00		702.55	149+00.00	702.525	0.30	2.624	2.92	3.77	36	3.60	2.24	
149+10.00		702.55	149+10.00	702.531	0.23	2.653	2.89	3.86	36	3.58	2.19	
149+20.00		702.54	149+20.00	702.537	0.04	2.691	2.73	3.93	36	3.44	2.02	
149+30.00		702.53	149+30.00	702.532	-0.03	2.774	2.75	3.99	36	3.47	2.03	
149+40.00		702.5	149+40.00	702.495	0.06	3.014	3.08	4.02	32	3.72	2.44	
149+50.00		702.47	149+50.00	702.457	0.16	3.011	3.17	4.04	32	3.82	2.53	
149+60.00		702.44	149+60.00	702.419	0.25	2.996	3.25	4.05	32	3.90	2.60	
149+70.00		702.4	149+70.00	702.381	0.23	2.711	2.94	4.04	32	3.59	2.29	
149+80.00		702.36	149+80.00	702.343	0.20	2.453	2.66	4.03	32	3.30	2.01	
149+90.00		702.32	149+90.00	702.305	0.18	2.423	2.60	4.02	32	3.25	1.96	
150+00.00		702.27	150+00.00	702.266	0.04	2.391	2.43	4.00	32	3.07	1.79	

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

Active Alignment (ML-I-90 WB) Station	Perpendicular Distance from Active Alignment to Specified Alignment Offset is 0.0000	Specified Alignment Coordinates (RT-SpDitch116+03)			Interpolated Deck Elev (from Geometry) (ft)	Elev Difference (in)	Interpolated			Top Flange Width (in)	Haunch at Edge of Flange with Cross-Slope (in)
		X	Y	Z			Original Haunch Height (in)	New Haunch Height at CL Girder (in)	Cross- Slope (%)		
145+00.00		703.29	145+00.00	703.291	-0.01	4.158	4.15	2.00	30	4.45	3.85
145+10.00		703.24	145+10.00	703.243	-0.04	4.176	4.14	2.00	30	4.44	3.84
145+20.00		703.19	145+20.00	703.195	-0.06	4.200	4.14	2.00	30	4.44	3.84
145+30.00		703.15	145+30.00	703.147	0.03	4.225	4.26	2.00	32	4.58	3.94
145+40.00		703.1	145+40.00	703.099	0.02	4.251	4.27	2.00	32	4.59	3.95
145+50.00		703.05	145+50.00	703.050	0.00	4.271	4.27	2.00	32	4.59	3.95
145+60.00		703	145+60.00	703.002	-0.03	4.290	4.27	2.00	32	4.59	3.95
145+70.00		702.95	145+70.00	702.954	-0.05	4.313	4.26	2.00	32	4.58	3.94
145+80.00		702.91	145+80.00	702.906	0.05	4.289	4.34	2.00	32	4.66	4.02
145+90.00		702.86	145+90.00	702.858	0.02	3.651	3.67	2.00	32	3.99	3.35
146+00.00		702.81	146+00.00	702.810	0.00	3.547	3.54	2.00	32	3.86	3.22
146+10.00		702.76	146+10.00	702.762	-0.03	3.321	3.30	2.00	32	3.62	2.98
146+20.00		702.71	146+20.00	702.714	-0.05	3.200	3.15	2.00	32	3.47	2.83
146+30.00		702.67	146+30.00	702.666	0.05	3.118	3.16	2.00	32	3.48	2.84
146+40.00		702.62	146+40.00	702.618	0.02	3.026	3.05	2.00	32	3.37	2.73
146+50.00		702.57	146+50.00	702.570	0.00	2.930	2.93	2.00	32	3.25	2.61
146+60.00		702.52	146+60.00	702.522	-0.02	2.840	2.82	2.00	32	3.14	2.50
146+70.00		702.47	146+70.00	702.473	-0.04	2.751	2.71	2.00	32	3.03	2.39
146+80.00		702.43	146+80.00	702.425	0.06	2.659	2.72	2.00	32	3.04	2.40
146+90.00		702.38	146+90.00	702.377	0.03	2.585	2.62	2.01	32	2.94	2.30
147+00.00		702.33	147+00.00	702.329	0.01	2.533	2.54	2.01	32	2.86	2.22
147+10.00		702.28	147+10.00	702.281	-0.01	2.490	2.48	2.01	32	2.80	2.15
147+20.00		702.24	147+20.00	702.233	0.08	2.487	2.57	2.02	32	2.89	2.25
147+30.00		702.19	147+30.00	702.185	0.06	2.497	2.55	2.03	36	2.92	2.19
147+40.00		702.14	147+40.00	702.137	0.03	2.358	2.39	2.05	36	2.76	2.02
147+50.00		702.1	147+50.00	702.092	0.09	2.307	2.40	2.10	36	2.78	2.02
147+60.00		702.06	147+60.00	702.059	0.01	2.330	2.34	2.16	36	2.73	1.95
147+70.00		702.03	147+70.00	702.026	0.05	2.357	2.40	2.23	36	2.81	2.00
147+80.00		701.98	147+80.00	701.992	-0.15	2.370	2.22	2.33	36	2.64	1.80
147+90.00		701.96	147+90.00	701.960	0.00	2.391	2.40	2.43	36	2.83	1.96
148+00.00		701.92	148+00.00	701.927	-0.08	2.413	2.33	2.56	36	2.79	1.87
148+10.00		701.89	148+10.00	701.894	-0.05	2.428	2.38	2.69	36	2.86	1.89
148+20.00		701.87	148+20.00	701.863	0.08	2.444	2.53	2.82	36	3.04	2.02
148+30.00		701.84	148+30.00	701.832	0.10	2.464	2.56	2.95	36	3.09	2.03
148+40.00		701.81	148+40.00	701.804	0.08	2.484	2.56	3.08	36	3.12	2.01
148+50.00		701.79	148+50.00	701.775	0.18	2.500	2.68	3.20	36	3.25	2.10
148+60.00		701.76	148+60.00	701.749	0.13	2.530	2.66	3.32	36	3.26	2.07
148+70.00		701.74	148+70.00	701.724	0.20	2.554	2.75	3.44	36	3.37	2.13
148+80.00		701.72	148+80.00	701.699	0.25	2.570	2.82	3.55	36	3.46	2.18
148+90.00		701.69	148+90.00	701.675	0.17	2.605	2.78	3.66	36	3.44	2.12
149+00.00		701.66	149+00.00	701.651	0.11	2.635	2.75	3.77	36	3.43	2.07
149+10.00		701.64	149+10.00	701.625	0.17	2.670	2.84	3.86	36	3.54	2.15
149+20.00		701.61	149+20.00	701.601	0.11	2.708	2.82	3.93	36	3.53	2.11
149+30.00		701.57	149+30.00	701.572	-0.03	2.769	2.74	3.99	36	3.46	2.03
149+40.00		701.53	149+40.00	701.530	0.00	3.014	3.01	4.02	32	3.66	2.37
149+50.00		701.5	149+50.00	701.488	0.15	2.983	3.13	4.04	32	3.78	2.49
149+60.00		701.45	149+60.00	701.445	0.06	2.650	2.71	4.05	32	3.36	2.06
149+70.00		701.41	149+70.00	701.403	0.08	2.496	2.58	4.04	32	3.22	1.93
149+80.00		701.37	149+80.00	701.361	0.11	2.465	2.57	4.03	32	3.22	1.93
149+90.00		701.32	149+90.00	701.319	0.02	2.433	2.45	4.02	32	3.09	1.81
150+00.00		701.28	150+00.00	701.276	0.05	2.392	2.44	4.00	32	3.08	1.80

**Girder 3**

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

Active Alignment (ML-I-90 WB) Station	Perpendicular Distance from Active Alignment to Specified Alignment Offset is 0.0000	Specified Alignment Coordinates (RT-SpDitch116+03)			Interpolated Deck Elev (from Geometry) (ft)	Elev Difference (in)	Interpolated Original			New Haunch Height at CL Girder (in)	Top Flange Width (in)	Haunch at Edge of Flange with Cross-Slope (in)
		X	Y	Z			Station	Haunch Height (in)	Cross- Slope (%)			
145+00.00		702.85	145+00.00	702.850	0.00	4.218	4.22	2.00	30	4.52	3.92	
145+10.00		702.8	145+10.00	702.801	-0.01	4.221	4.21	2.00	30	4.51	3.91	
145+20.00		702.75	145+20.00	702.751	-0.02	4.242	4.23	2.00	30	4.53	3.93	
145+30.00		702.7	145+30.00	702.702	-0.03	4.264	4.24	2.00	32	4.56	3.92	
145+40.00		702.65	145+40.00	702.653	-0.04	4.277	4.24	2.00	32	4.56	3.92	
145+50.00		702.6	145+50.00	702.604	-0.05	4.287	4.24	2.00	32	4.56	3.92	
145+60.00		702.56	145+60.00	702.555	0.06	4.302	4.36	2.00	32	4.68	4.04	
145+70.00		702.51	145+70.00	702.507	0.04	4.321	4.36	2.00	32	4.68	4.04	
145+80.00		702.46	145+80.00	702.457	0.03	4.290	4.32	2.00	32	4.64	4.00	
145+90.00		702.41	145+90.00	702.408	0.02	3.652	3.67	2.00	32	3.99	3.35	
146+00.00		702.36	146+00.00	702.359	0.01	3.547	3.56	2.00	32	3.88	3.24	
146+10.00		702.31	146+10.00	702.310	0.00	3.321	3.32	2.00	32	3.64	3.00	
146+20.00		702.26	146+20.00	702.261	-0.01	3.200	3.19	2.00	32	3.51	2.87	
146+30.00		702.21	146+30.00	702.212	-0.03	3.124	3.10	2.00	32	3.42	2.78	
146+40.00		702.16	146+40.00	702.164	-0.04	3.038	3.00	2.00	32	3.32	2.68	
146+50.00		702.11	146+50.00	702.114	-0.05	2.936	2.88	2.00	32	3.20	2.56	
146+60.00		702.06	146+60.00	702.065	-0.06	2.834	2.77	2.00	32	3.09	2.45	
146+70.00		702.02	146+70.00	702.016	0.05	2.738	2.78	2.00	32	3.10	2.46	
146+80.00		701.97	146+80.00	701.967	0.04	2.651	2.69	2.00	32	3.01	2.37	
146+90.00		701.92	146+90.00	701.918	0.03	2.584	2.61	2.01	32	2.93	2.29	
147+00.00		701.87	147+00.00	701.869	0.02	2.533	2.55	2.01	32	2.87	2.23	
147+10.00		701.82	147+10.00	701.820	0.00	2.489	2.49	2.01	32	2.81	2.16	
147+20.00		701.77	147+20.00	701.771	-0.02	2.475	2.46	2.02	32	2.78	2.14	
147+30.00		701.72	147+30.00	701.722	-0.03	2.485	2.46	2.03	36	2.82	2.09	
147+40.00		701.67	147+40.00	701.673	-0.04	2.344	2.31	2.05	36	2.68	1.94	
147+50.00		701.61	147+50.00	701.621	-0.13	2.301	2.17	2.10	36	2.55	1.79	
147+60.00		701.56	147+60.00	701.561	-0.01	2.327	2.32	2.16	36	2.71	1.93	
147+70.00		701.5	147+70.00	701.501	-0.01	2.347	2.34	2.23	36	2.74	1.94	
147+80.00		701.45	147+80.00	701.441	0.11	2.373	2.49	2.33	36	2.91	2.07	
147+90.00		701.39	147+90.00	701.380	0.12	2.404	2.52	2.43	36	2.96	2.08	
148+00.00		701.33	148+00.00	701.321	0.11	2.425	2.54	2.56	36	3.00	2.08	
148+10.00		701.26	148+10.00	701.261	-0.01	2.452	2.44	2.69	36	2.93	1.96	
148+20.00		701.2	148+20.00	701.202	-0.02	2.472	2.45	2.82	36	2.96	1.94	
148+30.00		701.14	148+30.00	701.143	-0.04	2.488	2.45	2.95	36	2.98	1.92	
148+40.00		701.08	148+40.00	701.086	-0.08	2.512	2.44	3.08	36	2.99	1.88	
148+50.00		701.02	148+50.00	701.030	-0.13	2.536	2.41	3.20	36	2.99	1.83	
148+60.00		700.97	148+60.00	700.976	-0.07	2.557	2.48	3.32	36	3.08	1.88	
148+70.00		700.91	148+70.00	700.923	-0.16	2.590	2.43	3.44	36	3.05	1.81	
148+80.00		700.86	148+80.00	700.871	-0.13	2.605	2.48	3.55	36	3.12	1.84	
148+90.00		700.81	148+90.00	700.816	-0.08	2.640	2.56	3.66	36	3.22	1.90	
149+00.00		700.75	149+00.00	700.762	-0.14	2.669	2.53	3.77	36	3.21	1.85	
149+10.00		700.7	149+10.00	700.706	-0.07	2.704	2.63	3.86	36	3.33	1.94	
149+20.00		700.65	149+20.00	700.651	-0.01	2.745	2.74	3.93	36	3.44	2.03	
149+30.00		700.6	149+30.00	700.597	0.04	2.800	2.84	3.99	36	3.56	2.12	
149+40.00		700.55	149+40.00	700.551	-0.01	3.043	3.03	4.02	32	3.68	2.39	
149+50.00		700.5	149+50.00	700.505	-0.06	3.058	3.00	4.04	32	3.65	2.35	
149+60.00		700.46	149+60.00	700.459	0.02	2.717	2.73	4.05	32	3.38	2.09	
149+70.00		700.41	149+70.00	700.412	-0.03	2.556	2.53	4.04	32	3.18	1.88	
149+80.00		700.36	149+80.00	700.366	-0.07	2.538	2.47	4.03	32	3.11	1.82	
149+90.00		700.32	149+90.00	700.320	0.00	2.507	2.50	4.02	32	3.15	1.86	
150+00.00		700.27	150+00.00	700.274	-0.05	2.477	2.43	4.00	32	3.07	1.79	

**Girder 4**

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

Active Alignment (ML-I-90 WB) Station	Perpendicular Distance from Active Alignment to Specified Alignment Offset is 0.0000	Specified Alignment Coordinates (RT-SpDitch116+03)			Interpolated Deck Elev (from Geometry) (ft)	Elev Difference (in)	Interpolated			Top Flange Width (in)	Haunch at Edge		
		X	Y	Z			Original Haunch Height (in)	New Haunch Height at CL Girder (in)	Cross- Slope (%)		of Flange with		
											Station	Cross-Slope (in)	Cross-Slope (in)
Girder 5													
145+00.00		702.42			145+00.00	702.419	0.01	4.302	4.31	2.00	30	4.61	4.01
145+10.00		702.37			145+10.00	702.369	0.01	4.326	4.34	2.00	30	4.64	4.04
145+20.00		702.32			145+20.00	702.319	0.01	4.338	4.35	2.00	30	4.65	4.05
145+30.00		702.27			145+30.00	702.269	0.01	4.350	4.36	2.00	32	4.68	4.04
145+40.00		702.22			145+40.00	702.219	0.01	4.371	4.38	2.00	32	4.70	4.06
145+50.00		702.17			145+50.00	702.169	0.01	4.374	4.39	2.00	32	4.71	4.07
145+60.00		702.12			145+60.00	702.119	0.01	4.380	4.39	2.00	32	4.71	4.07
145+70.00		702.07			145+70.00	702.069	0.01	4.386	4.40	2.00	32	4.72	4.08
145+80.00		702.02			145+80.00	702.019	0.01	4.337	4.35	2.00	32	4.67	4.03
145+90.00		701.97			145+90.00	701.969	0.01	3.678	3.69	2.00	32	4.01	3.37
146+00.00		701.92			146+00.00	701.919	0.01	3.568	3.58	2.00	32	3.90	3.26
146+10.00		701.87			146+10.00	701.869	0.01	3.308	3.32	2.00	32	3.64	3.00
146+20.00		701.82			146+20.00	701.820	0.00	3.169	3.17	2.00	32	3.49	2.85
146+30.00		701.77			146+30.00	701.769	0.01	3.075	3.08	2.00	32	3.40	2.76
146+40.00		701.72			146+40.00	701.719	0.01	2.978	2.99	2.00	32	3.31	2.67
146+50.00		701.67			146+50.00	701.669	0.01	2.881	2.89	2.00	32	3.21	2.57
146+60.00		701.62			146+60.00	701.619	0.01	2.785	2.79	2.00	32	3.11	2.47
146+70.00		701.57			146+70.00	701.569	0.01	2.688	2.70	2.00	32	3.02	2.38
146+80.00		701.52			146+80.00	701.519	0.01	2.602	2.61	2.00	32	2.93	2.29
146+90.00		701.47			146+90.00	701.469	0.01	2.535	2.54	2.01	32	2.86	2.22
147+00.00		701.42			147+00.00	701.419	0.01	2.490	2.50	2.01	32	2.82	2.18
147+10.00		701.36			147+10.00	701.369	-0.10	2.463	2.36	2.01	32	2.68	2.04
147+20.00		701.31			147+20.00	701.319	-0.11	2.464	2.36	2.02	32	2.68	2.03
147+30.00		701.26			147+30.00	701.269	-0.11	2.485	2.38	2.03	36	2.74	2.01
147+40.00		701.2			147+40.00	701.219	-0.23	2.333	2.11	2.05	36	2.48	1.74
147+50.00		701.14			147+50.00	701.161	-0.25	2.296	2.05	2.10	36	2.43	1.67
147+60.00		701.06			147+60.00	701.074	-0.16	2.327	2.16	2.16	36	2.55	1.78
147+70.00		700.99			147+70.00	700.987	0.03	2.349	2.38	2.23	36	2.78	1.98
147+80.00		700.91			147+80.00	700.900	0.12	2.385	2.50	2.33	36	2.92	2.08
147+90.00		700.83			147+90.00	700.814	0.20	2.410	2.61	2.43	36	3.04	2.17
148+00.00		700.74			148+00.00	700.727	0.16	2.435	2.59	2.56	36	3.05	2.13
148+10.00		700.64			148+10.00	700.640	0.00	2.465	2.46	2.69	36	2.94	1.98
148+20.00		700.55			148+20.00	700.554	-0.04	2.492	2.45	2.82	36	2.96	1.94
148+30.00		700.45			148+30.00	700.467	-0.20	2.512	2.31	2.95	36	2.84	1.78
148+40.00		700.36			148+40.00	700.381	-0.25	2.532	2.28	3.08	36	2.84	1.73
148+50.00		700.27			148+50.00	700.294	-0.28	2.571	2.29	3.20	36	2.86	1.71
148+60.00		700.18			148+60.00	700.207	-0.33	2.592	2.26	3.32	36	2.86	1.67
148+70.00		700.09			148+70.00	700.121	-0.37	2.631	2.26	3.44	36	2.88	1.64
148+80.00		700.01			148+80.00	700.034	-0.29	2.653	2.36	3.55	36	3.00	1.72
148+90.00		699.92			148+90.00	699.947	-0.33	2.676	2.35	3.66	36	3.01	1.69
149+00.00		699.84			149+00.00	699.860	-0.24	2.712	2.47	3.77	36	3.15	1.79
149+10.00		699.75			149+10.00	699.773	-0.28	2.745	2.46	3.86	36	3.16	1.77
149+20.00		699.68			149+20.00	699.687	-0.08	2.773	2.69	3.93	36	3.40	1.98
149+30.00		699.61			149+30.00	699.609	0.01	2.799	2.81	3.99	36	3.53	2.09
149+40.00		699.55			149+40.00	699.559	-0.11	3.037	2.92	4.02	32	3.57	2.28
149+50.00		699.49			149+50.00	699.509	-0.23	3.086	2.86	4.04	32	3.51	2.21
149+60.00		699.44			149+60.00	699.459	-0.23	2.749	2.52	4.05	32	3.17	1.87
149+70.00		699.4			149+70.00	699.409	-0.11	2.569	2.46	4.04	32	3.11	1.82
149+80.00		699.35			149+80.00	699.359	-0.11	2.555	2.45	4.03	32	3.09	1.80
149+90.00		699.3			149+90.00	699.309	-0.11	2.534	2.42	4.02	32	3.07	1.78
150+00.00		699.26			150+00.00	699.259	0.01	2.513	2.52	4.00	32	3.16	1.88

Max Haunch (in)	Min Haunch (in)
5.06	1.64

<b>HNTB</b> The HNTB Companies	Made	<b>SJL</b>	Date	<b>5/9/2012</b>	Job Number	<b>49633</b>
	Checked	<b>DJG</b>	Date	<b>5/14/2012</b>		
	For	<b>Cleveland Innerbelt - Unit 2</b>	Backchk'd	<b>SJL</b>	Date	<b>5/16/2012</b>

\\kcow00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check\Haunch\_Height\_comparison\_2012-5-1.xlsm]cross-slope haunch

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice Top Plate Thickness (in)	Cross-Slope (%)	Max Haunch with Cross-Slope (in)	Min Haunch with Cross-Slope (in)	Min Haunch with F.S. PL & Cross-Slope (in)	
	<u>Girder 1</u>										
Span 3	1000	2.25	9	3.75	42		4.00	4.59	2.91		
	1001	2.25	9	3.498	42		4.00	4.34	2.66		
	1002	2.25	9	3.342	42		4.00	4.18	2.50		
	1003	2.25	9	3.198	42		4.00	4.04	2.36		
	1004	2.25	9	3.054	42		4.00	3.89	2.21		
	1005	2.25	9	2.934	42		4.00	3.77	2.09		
	1006	2.25	9	2.814	42		4.00	3.65	1.97		
FS 1	1007	2.25	9	2.73	42	1.125	4.00	3.57	1.89	0.77	
	1008	2.25	9	2.67	42		4.00	3.51	1.83		
	1009	2.25	9	2.622	42		4.00	3.46	1.78		
	1010	2.25	9	2.586	42		4.00	3.43	1.75		
	1011	2.25	9	2.586	42		4.00	3.43	1.75		
	1012	2.25	9	2.622	42		4.00	3.46	1.78		
	1013	2.25	9	2.67	42		4.00	3.51	1.83		
Taper	1014	2.25	9	2.742	42		4.00	3.58	1.90		
FS 2	1015	2.25	9	2.862	42	0.875	4.00	3.70	2.02	1.15	
	1016	2	9	3.196	42		4.00	4.04	2.36		
	1017	2	9	3.316	42		4.00	4.16	2.48		
	1018	2	9	3.448	42		4.00	4.29	2.61		
	1019	2	9	3.568	42		4.00	4.41	2.73		
	1020	2	9	3.676	42		4.00	4.52	2.84		
Pier 3, FS 3	1021	2	9	3.748	42	1.125	4.00	4.59	2.91	1.78	
	1022	2	9	3.808	38		4.00	4.57	3.05		
	1023	2	9	3.868	38		4.00	4.63	3.11		
	1024	2	9	3.916	38		4.00	4.68	3.16		
	1025	2	9	3.976	38		4.00	4.74	3.22		
	1026	2	9	4.024	38		4.00	4.78	3.26		
	1027	2	9	4.06	38		4.00	4.82	3.30		
	1028	2	9	4.096	38		4.00	4.86	3.34		
	1029	2	9	4.12	38		4.00	4.88	3.36		
	1030	2	9	4.168	38		4.00	4.93	3.41		
	1031	2	9	4.204	38		4.00	4.96	3.44		
	1032	2	9	4.252	38		4.00	5.01	3.49		
	1033	2	9	4.288	38		4.00	5.05	3.53		
Taper	1034	2	9	4.324	38		4.00	5.08	3.56		
FS 4	1035	2	9	4.372	42	1.125	4.00	5.21	3.53	2.41	
	1036	2	9	4.408	42		4.00	5.25	3.57		
	1037	2	9	4.468	42		4.00	5.31	3.63		
	1038	2	9	4.528	42		4.00	5.37	3.69		
	1039	2	9	4.6	42		4.00	5.44	3.76		
	1040	2	9	4.636	42		4.00	5.48	3.80		
Span 4, FS 5	1041	2	9	4.636	42	0.875	4.00	5.48	3.80	2.92	
	1042	2	9	4.588	32		4.00	5.23	3.95		
	1043	2	9	4.504	32		4.00	5.14	3.86		
	1044	2	9	4.384	32		4.00	5.02	3.74		
	1045	2	9	4.252	32		4.00	4.89	3.61		
	1046	2	9	4.108	32		4.00	4.75	3.47		
	1047	2	9	3.976	32		4.00	4.62	3.34		
	1048	2	9	3.832	32		4.00	4.47	3.19		
	1049	2	9	3.724	32		4.00	4.36	3.08		
Taper	1050	2	9	3.64	32		4.00	4.28	3.00		
FS 6	1051	2.25	9	3.342	32	1.25	4.00	3.98	2.70	1.45	
	1052	2.25	9	3.342	32		4.00	3.98	2.70		
	1053	2.75	9	3.378	32		4.00	4.02	2.74		
	1054	2.75	9	2.938	32		4.00	3.58	2.30		
	1055	2.75	9	2.998	32		4.00	3.64	2.36		
	1056	2.75	9	3.058	32		4.00	3.70	2.42		
Pier 4, FS 7	1057	2.75	9	3.094	32	1.5	4.00	3.73	2.45	0.95	
	1058	2.75	9	3.118	32		4.00	3.76	2.48		
	1059	2.75	9	3.154	32		4.00	3.79	2.51		
	1060	2.75	9	3.178	32		4.00	3.82	2.54		
	1061	2.75	9	3.214	32		4.00	3.85	2.57		
	1062	2.75	9	3.238	32		4.00	3.88	2.60		
	1063	2.75	9	3.262	32		4.00	3.90	2.62		
	1064	2.75	9	3.286	32		4.00	3.93	2.65		

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Max Haunch	Min Haunch	Min Haunch	
						Top Plate Thickness (in)	Cross- Slope (%)	with Cross-Slope (in)	with Cross-Slope (in)	with F.S. PL & Cross-Slope (in)
	1065	2.75	9	3.298	32		4.00	3.94	2.66	
	1066	2.75	9	3.322	32		4.00	3.96	2.68	
	1067	2.75	9	3.358	32		4.00	4.00	2.72	
	1068	2.75	9	3.394	32		4.00	4.03	2.75	
	1069	2.75	9	3.406	32		4.00	4.05	2.77	
Taper	1070	2.75	9	3.454	32		4.00	4.09	2.81	
FS 8	1071	2.75	9	3.478	32	1.5	4.00	4.12	2.84	1.34
	1072	2.75	9	3.526	32		4.00	4.17	2.89	
	1073	2.75	9	3.586	32		4.00	4.23	2.95	
	1074	2.75	9	3.658	32		4.00	4.30	3.02	
	1075	2.75	9	3.754	32		4.00	4.39	3.11	
	1076	2.25	9	4.314	32		4.00	4.95	3.67	
Span 5, FS 9	1077	2.5	9	4.362	32	1.25	4.00	5.00	3.72	2.47
	1078	2.5	9	4.148	32		4.00	4.79	3.51	
	1079	2.5	9	4.172	32		4.00	4.81	3.53	
	1080	2.5	9	4.184	32		4.00	4.82	3.54	
	1081	2.5	9	4.196	32		4.00	4.84	3.56	
	1082	2.5	9	4.22	32		4.00	4.86	3.58	
	1083	2.5	9	4.232	32		4.00	4.87	3.59	
	1084	2.5	9	4.268	32		4.00	4.91	3.63	
	1085	2.5	9	4.304	32		4.00	4.94	3.66	
	1086	2.5	9	4.364	32		4.00	5.00	3.72	
	1087	2.5	9	4.436	32		4.00	5.08	3.80	
Taper	1088	2.5	9	4.52	32		4.00	5.16	3.88	
FS 10	1089	2.75	9	2.398	32	1.5	4.00	3.04	1.76	0.26
	1090	2.75	9	2.458	32		4.00	3.10	1.82	
	1091	2.75	9	2.554	32		4.00	3.19	1.91	
	1092	2.5	9	2.936	36		4.00	3.66	2.22	
	1093	2.5	9	3.044	36		4.00	3.76	2.32	
	1094	2.5	9	3.152	36		4.00	3.87	2.43	
Pier 5, FS 11	1095	2.75	9	3.224	36	1.5	4.00	3.94	2.50	1.00
	1096	2.75	9	3.034	36		4.00	3.75	2.31	
	1097	2.75	9	3.094	36		4.00	3.81	2.37	
	1098	2.75	9	3.154	36		4.00	3.87	2.43	
	1099	2.75	9	3.202	36		4.00	3.92	2.48	
	1100	2.75	9	3.262	36		4.00	3.98	2.54	
	1101	2.75	9	3.286	36		4.00	4.01	2.57	
	1102	2.75	9	3.334	36		4.00	4.05	2.61	
	1103	2.75	9	3.382	36		4.00	4.10	2.66	
	1104	2.75	9	3.406	36		4.00	4.13	2.69	
	1105	2.75	9	3.466	36		4.00	4.19	2.75	
	1106	2.75	9	3.502	36		4.00	4.22	2.78	
	1107	2.75	9	3.55	36		4.00	4.27	2.83	
Taper	1108	2.75	9	3.598	36		4.00	4.32	2.88	
FS 12	1109	2.75	9	3.646	36	1.5	4.00	4.37	2.93	1.43
	1110	2.5	9	3.956	36		4.00	4.68	3.24	
	1111	2.5	9	4.028	36		4.00	4.75	3.31	
	1112	2.5	9	4.1	36		4.00	4.82	3.38	
	1113	2.75	9	4.184	32		4.00	4.82	3.54	
	1114	2.75	9	3.994	32		4.00	4.63	3.35	
Span 6, FS 13	1115	2.75	9	4.018	32	1	4.00	4.66	3.38	2.38
	1116	2	9	4.768	32		4.00	5.41	4.13	
	1117	2	9	4.744	32		4.00	5.38	4.10	
	1118	2	9	4.708	32		4.00	5.35	4.07	
	1119	2	9	4.648	32		4.00	5.29	4.01	
	1120	2	9	4.576	32		4.00	5.22	3.94	
	1121	2	9	4.504	32		4.00	5.14	3.86	
	1122	2	9	4.42	32		4.00	5.06	3.78	
	1123	2	9	4.348	32		4.00	4.99	3.71	
	1124	2	9	4.288	32		4.00	4.93	3.65	
	1125	2	9	4.24	32		4.00	4.88	3.60	
Taper	1126	2	9	4.204	32		4.00	4.84	3.56	
FS 14	1127	2	9	4.18	32	1	4.00	4.82	3.54	2.54
	1128	2	9	4.192	32		4.00	4.83	3.55	
	1129	2.5	9	4.216	32		4.00	4.86	3.58	
	1130	2.5	9	3.752	32		4.00	4.39	3.11	
	1131	2.5	9	3.776	32		4.00	4.42	3.14	
	1132	2.5	9	3.812	32		4.00	4.45	3.17	
Pier 6, FS 15	1133	2.5	9	3.824	32	1.25	4.00	4.46	3.18	1.93
	1134	2.25	9	4.098	32		4.00	4.74	3.46	
	1135	2.25	9	4.11	32		4.00	4.75	3.47	
	1136	2.25	9	4.122	32		4.00	4.76	3.48	
	1137	2.25	9	4.134	32		4.00	4.77	3.49	



**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Max Haunch with Cross-Slope (in)	Min Haunch with Cross-Slope (in)	Min Haunch with F.S. PL & Cross-Slope (in)		
					Top Plate Thickness (in)				Cross-Slope (%)	
1138	2.25	9	4.134	32		4.00	4.77	3.49		
1139	2.25	9	4.158	32		4.00	4.80	3.52		
1140	2.25	9	4.158	32		4.00	4.80	3.52		
1141	2.25	9	4.17	32		4.00	4.81	3.53		
1142	2.25	9	4.182	32		4.00	4.82	3.54		
1143	2.25	9	4.206	32		4.00	4.85	3.57		
1144	2.25	9	4.218	32		4.00	4.86	3.58		
1145	2.25	9	4.23	32		4.00	4.87	3.59		
Taper FS 16	1146	2.25	9	4.254	32		4.00	4.89	3.61	
	1147	2.5	9	4.278	32	1.5	4.00	4.92	3.64	2.14
	1148	2.5	9	4.04	32		4.00	4.68	3.40	
	1149	2.5	9	4.064	32		4.00	4.70	3.42	
	1150	2.5	9	4.1	32		4.00	4.74	3.46	
	1151	2.5	9	4.136	32		4.00	4.78	3.50	
Span 7, FS 17	1152	2	9	4.648	32		4.00	5.29	4.01	
	1153	2	9	4.648	32	0.75	4.00	5.29	4.01	3.26
	1154	1.75	9	4.838	32		4.00	5.48	4.20	
	1155	1.75	9	4.778	32		4.00	5.42	4.14	
	1156	1.75	9	4.694	32		4.00	5.33	4.05	
	1157	1.75	9	4.622	32		4.00	5.26	3.98	
	1158	1.75	9	4.538	32		4.00	5.18	3.90	
	1159	1.75	9	4.466	32		4.00	5.11	3.83	
	1160	1.75	9	4.406	32		4.00	5.05	3.77	
Taper FS 18	1161	1.75	9	4.358	32		4.00	5.00	3.72	
	1162	1.75	9	4.322	32		4.00	4.96	3.68	
	1163	2	9	4.322	32	0.75	4.00	4.96	3.68	2.93
	1164	2	9	4.096	32		4.00	4.74	3.46	
	1165	2.25	9	4.144	32		4.00	4.78	3.50	
	1166	2.25	9	3.966	32		4.00	4.61	3.33	
	1167	2.25	9	4.014	32		4.00	4.65	3.37	
Pier 7, FS 19	1168	2.25	9	4.074	32		4.00	4.71	3.43	
	1169	2.25	9	4.11	32	1.375	4.00	4.75	3.47	2.10
	1170	2.25	9	4.122	30		4.00	4.72	3.52	
	1171	2.25	9	4.158	30		4.00	4.76	3.56	
	1172	2.25	9	4.17	30		4.00	4.77	3.57	
	1173	2.25	9	4.194	30		4.00	4.79	3.59	
	1174	2.25	9	4.218	30		4.00	4.82	3.62	
	1175	2.25	9	4.23	30		4.00	4.83	3.63	
	1176	2.25	9	4.242	30		4.00	4.84	3.64	
	1177	2.25	9	4.266	30		4.00	4.87	3.67	
	1178	2.25	9	4.278	30		4.00	4.88	3.68	
	1179	2.25	9	4.229	30		4.00	4.83	3.63	
	1180	2.25	9	4.303	30		4.00	4.90	3.70	
Taper FS 20	1181	2.25	9	4.269	30		4.00	4.87	3.67	
	1182	2.25	9	4.298	30		4.00	4.90	3.70	
	1183	2.25	9	4.338	32	1.375	4.00	4.98	3.70	2.32
	1184	2.25	9	4.399	32		4.00	5.04	3.76	
	1185	2.25	9	4.377	32		4.00	5.02	3.74	
	1186	2.25	9	4.385	32		4.00	5.02	3.74	
	1187	2.25	9	4.401	32		4.00	5.04	3.76	
Span 8, FS 21	1188	2	10	3.579	32		4.00	4.22	2.94	
	1189	2.25	10	3.600	32	1	4.00	4.24	2.96	1.96
	1190	2.25	10	3.285	32		4.00	3.93	2.65	
	1191	2.25	10	3.172	32		4.00	3.81	2.53	
	1192	2.25	10	3.052	32		4.00	3.69	2.41	
	1193	2.25	10	2.945	32		4.00	3.58	2.30	
	1194	2.25	10	2.897	32		4.00	3.54	2.26	
	1195	2.25	10	2.856	32		4.00	3.50	2.22	
	1196	2.25	10	2.748	32		4.00	3.39	2.11	
	1197	2.25	10	2.673	32		3.99	3.31	2.03	
Taper FS 22	1198	2.25	10	2.670	32		3.99	3.31	2.03	
	1199	2.25	10	2.693	32	1.25	3.99	3.33	2.05	0.80
	1200	2.25	10	2.633	32		3.98	3.27	2.00	
	1201	2.5	10	2.719	36		4.02	3.44	2.00	
	1202	2.5	10	2.781	36		4.02	3.51	2.06	
	1203	2.5	10	2.667	36		3.97	3.38	1.95	
Pier 8, FS 23	1204	2.5	10	2.433	36		3.85	3.13	1.74	
	1205	2.5	10	2.355	36	1.5	3.69	3.02	1.69	0.19
	1206	2.5	10	2.448	36		3.66	3.11	1.79	
	1207	2.5	10	2.438	36		3.68	3.10	1.78	
	1208	2.5	10	2.454	36		3.73	3.13	1.78	
	1209	2.5	10	2.578	36		3.78	3.26	1.90	
	1210	2.5	10	2.686	36		3.85	3.38	1.99	

New Deck Elevation Region

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange	Slab	Final	Top Flange	Field Splice	Max Haunch	Min Haunch	Min Haunch		
	Thickness (in)	Thickness (in)	Haunch (in)	Width (in)	Top Plate Thickness (in)	Cross- Slope (%)	with Cross-Slope (in)	with Cross-Slope (in)	with F.S. PL & Cross-Slope (in)	
	1211	2.5	10	2.761	36	3.89	3.46	2.06		
	1212	2.5	10	2.836	36	3.94	3.55	2.13		
	1213	2.5	10	2.814	36	3.69	3.48	2.15		
	1214	2.5	10	2.894	36	3.47	3.52	2.27		
	1215	2.5	10	3.121	36	3.23	3.70	2.54		
	1216	2.5	10	3.122	36	3.26	3.71	2.54		
	1217	2.5	10	3.124	36	3.27	3.71	2.54		
Taper	1218	2.5	10	3.147	36	3.32	3.74	2.55		
FS 24	1219	2.5	10	3.218	36	1.5	3.44	3.84	2.60	1.10
	1220	2.5	10	3.176	36	3.40	3.79	2.56		
	1221	2.5	10	3.103	36	3.37	3.71	2.50		
	1222	2.5	10	2.836	36	3.45	3.46	2.22		
	1223	2.5	10	2.353	36	3.45	2.97	1.73		
Span 9, FS 25	1224	2.25	10	2.968	32	3.48	3.52	2.41		
	1225	2.75	10	3.095	32	1.25	3.44	3.65	2.54	1.29
	1226	2.75	10	2.678	32	3.37	3.22	2.14		
	1227	2.75	10	2.633	32	3.30	3.16	2.10		
	1228	2.75	10	2.496	32	3.24	3.01	1.98		
	1229	2.75	10	2.378	32	3.01	2.86	1.90		
	1230	2.75	10	2.25	32	3.00	2.73	1.77		
	1231	2.75	10	2.226	32	3.00	2.71	1.75		
	1232	2.75	10	2.226	32	3.00	2.71	1.75		
Taper	1233	2.75	10	2.226	32	3.00	2.71	1.75		
FS 26	1234	2.75	10	2.25	32	1.5	3.00	2.73	1.77	0.27
	1235	2.25	10	2.762	42	3.00	3.39	2.13		
	1236	2.25	10	2.786	42	3.00	3.42	2.16		
	1237	3	10	2.06	45	3.00	2.74	1.39		
	1238	3	10	2.072	45	3.00	2.75	1.40		
	1239	3	10	2.084	45	3.00	2.76	1.41		
	1240	3	10	2.084	45	3.00	2.76	1.41		
	1241	3	10	2.096	45	3.00	2.77	1.42		
Pier 9, FS 27	1242	3	10	2.108	45	1.5	3.00	2.78	1.43	-0.07
	1243	3	10	2.108	45	3.00	2.78	1.43		
	1244	3	10	2.108	45	3.00	2.78	1.43		
	1245	3	10	2.096	45	3.00	2.77	1.42		
	1246	3	10	2.096	45	3.00	2.77	1.42		
	1247	3	10	2.084	45	3.00	2.76	1.41		
	1248	3	10	2.072	45	3.00	2.75	1.40		
	1249	3	10	2.06	45	3.00	2.74	1.39		
	1250	3	10	2.036	45	3.00	2.71	1.36		
	1251	3	10	2.024	45	3.00	2.70	1.35		
Taper	1252	3	10	2	45	3.00	2.68	1.33		
FS 28	1253	3	10	1.976	45	1.5	3.00	2.65	1.30	-0.20
	1254	3	10	1.964	45	3.00	2.64	1.29		
	1255	3	10	1.964	45	3.00	2.64	1.29		
	1256	3	10	1.952	45	3.00	2.63	1.28		
	1257	3	10	1.928	45	3.00	2.60	1.25		
	1258	3	10	1.916	45	3.00	2.59	1.24		
	1259	3	10	2.642	45	3.00	3.32	1.97		
	1260	2.25	10	2.63	42	3.00	3.26	2.00		
Span 10, FS 29	1261	2.25	10	2.606	42	1.125	3.00	3.24	1.98	0.85
	1262	2.25	10	2.594	36	3.00	3.13	2.05		
	1263	2.25	10	2.546	36	3.00	3.09	2.01		
	1264	2.25	10	2.498	36	3.00	3.04	1.96		
	1265	2.25	10	2.426	36	3.00	2.97	1.89		
	1266	2.25	10	2.366	36	3.00	2.91	1.83		
	1267	2.25	10	2.306	36	3.00	2.85	1.77		
	1268	2.25	10	2.27	36	3.00	2.81	1.73		
	1269	2.25	10	2.21	36	3.00	2.75	1.67		
	1270	2.25	10	2.198	36	3.00	2.74	1.66		
Taper	1271	2.25	10	2.198	36	3.00	2.74	1.66		
FS 30	1272	2.5	10	1.96	42	1.125	3.00	2.59	1.33	0.21
	1273	2.5	10	1.96	42	3.00	2.59	1.33		
	1274	2.5	10	1.996	42	3.00	2.63	1.37		
	1275	3	10	2.02	48	3.00	2.74	1.30		
	1276	3	10	1.556	48	3.00	2.28	0.84		
	1277	3	10	1.604	48	3.00	2.32	0.88		
	1278	3	10	1.688	48	3.00	2.41	0.97		
	1279	3	10	1.736	48	3.00	2.46	1.02		
Pier 10, FS 31	1280	3	10	1.808	45	1.625	3.00	2.48	1.13	-0.49
	1281	3	10	1.832	45	3.00	2.51	1.16		
	1282	3	9	2.904	45	3.00	3.58	2.23		
	1283	3	9	2.988	45	3.00	3.66	2.31		

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Cross-Slope (%)	Max Haunch with Cross-Slope (in)	Min Haunch with Cross-Slope (in)	Min Haunch with F.S. PL & Cross-Slope (in)
					Top Plate Thickness (in)				
1284	3	9	3.06	45		3.00	3.74	2.39	
1285	3	9	3.108	45		3.00	3.78	2.43	
1286	3	9	3.168	45		3.00	3.84	2.49	
1287	3	9	3.228	45		3.00	3.90	2.55	
1288	3	9	3.276	45		3.00	3.95	2.60	
Taper FS 32 1289	3	9	3.324	45		3.00	4.00	2.65	
1290	3	9	3.336	48	1.625	3.00	4.06	2.62	0.99
1291	3	9	3.384	48		3.00	4.10	2.66	
1292	3	9	3.396	48		3.00	4.12	2.68	
1293	3	9	3.456	48		3.00	4.18	2.74	
1294	3	9	3.48	48		3.00	4.20	2.76	
1295	3	9	3.516	48		3.00	4.24	2.80	
1296	2.5	9	4.028	42		3.00	4.66	3.40	
1297	2.5	9	4.052	42		3.00	4.68	3.42	
Span 11, FS 33 1298	3	9	4.052	48	1	3.00	4.77	3.33	2.33
1299	3	9	3.576	48		3.00	4.30	2.86	
1300	3	9	3.6	48		3.00	4.32	2.88	
1301	3	9	3.6	48		3.00	4.32	2.88	
1302	3	9	3.612	48		3.00	4.33	2.89	
1303	3	9	3.6	48		3.00	4.32	2.88	
1304	3	9	3.6	48		3.00	4.32	2.88	
1305	3	9	3.576	48		3.00	4.30	2.86	
1306	3	9	3.54	48		3.00	4.26	2.82	
FS 34 1307	3	9	3.492	48	1.25	3.00	4.21	2.77	1.52
1308	3	9	3.444	48		3.00	4.16	2.72	
1309	3	9	3.384	48		3.00	4.10	2.66	
1310	3	9	3.3	48		3.00	4.02	2.58	
1311	3	9	3.228	48		3.00	3.95	2.51	
1312	3	9	3.144	48		3.00	3.86	2.42	
1313	3	9	3	48		3.00	3.72	2.28	

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange	Slab	Final	Top Flange	Field Splice	Cross-Slope	Max Haunch	Min Haunch	Min Haunch
		Thickness	Thickness	Haunch	Width	Top Plate		with	with	with F.S. PL &
		(in)	(in)	(in)	(in)	Thickness	(%)	Cross-Slope	Cross-Slope	Cross-Slope
		(in)	(in)	(in)	(in)	(in)		(in)	(in)	(in)
	<b>Girder 2</b>									
Span 3	3000	2.25	9	3.75	42		2.00	4.17	3.33	
	3001	2.25	9	3.594	42		2.00	4.01	3.17	
	3002	2.25	9	3.486	42		2.00	3.91	3.07	
	3003	2.25	9	3.378	42		2.00	3.80	2.96	
	3004	2.25	9	3.282	42		2.00	3.70	2.86	
	3005	2.25	9	3.186	42		2.00	3.61	2.77	
	3006	2.25	9	3.102	42		2.00	3.52	2.68	
FS 1	3007	2.25	9	3.03	42	1.125	2.00	3.45	2.61	1.49
	3008	2.25	9	2.97	42		2.00	3.39	2.55	
	3009	2.25	9	2.922	42		2.00	3.34	2.50	
	3010	2.25	9	2.886	42		2.00	3.31	2.47	
	3011	2.25	9	2.862	42		2.00	3.28	2.44	
	3012	2.25	9	2.862	42		2.00	3.28	2.44	
	3013	2.25	9	2.886	42		2.00	3.31	2.47	
Taper	3014	2.25	9	2.922	42		2.00	3.34	2.50	
FS 2	3015	2.25	9	3.006	42	0.875	2.00	3.43	2.59	1.71
	3016	2	9	3.316	42		2.00	3.74	2.90	
	3017	2	9	3.412	42		2.00	3.83	2.99	
	3018	2	9	3.496	42		2.00	3.92	3.08	
	3019	2	9	3.58	42		2.00	4.00	3.16	
	3020	2	9	3.664	42		2.00	4.08	3.24	
Pier 3, FS 3	3021	2	9	3.724	42	1.125	2.00	4.14	3.30	2.18
	3022	2	9	3.772	38		2.00	4.15	3.39	
	3023	2	9	3.82	38		2.00	4.20	3.44	
	3024	2	9	3.868	38		2.00	4.25	3.49	
	3025	2	9	3.916	38		2.00	4.30	3.54	
	3026	2	9	3.964	38		2.00	4.34	3.58	
	3027	2	9	4	38		2.00	4.38	3.62	
	3028	2	9	4.024	38		2.00	4.40	3.64	
	3029	2	9	4.072	38		2.00	4.45	3.69	
	3030	2	9	4.096	38		2.00	4.48	3.72	
	3031	2	9	4.144	38		2.00	4.52	3.76	
	3032	2	9	4.18	38		2.00	4.56	3.80	
	3033	2	9	4.228	38		2.00	4.61	3.85	
Taper	3034	2	9	4.276	38		2.00	4.66	3.90	
FS 4	3035	2	9	4.312	42	1.125	2.00	4.73	3.89	2.77
	3036	2	9	4.372	42		2.00	4.79	3.95	
	3037	2	9	4.444	42		2.00	4.86	4.02	
	3038	2	9	4.528	42		2.00	4.95	4.11	
	3039	2	9	4.612	42		2.00	5.03	4.19	
	3040	2	9	4.672	42		2.00	5.09	4.25	
Span 4, FS 5	3041	2	9	4.696	42	0.875	2.00	5.12	4.28	3.40
	3042	2	9	4.672	32		2.00	4.99	4.35	
	3043	2	9	4.6	32		2.00	4.92	4.28	
	3044	2	9	4.504	32		2.00	4.82	4.18	
	3045	2	9	4.384	32		2.00	4.70	4.06	
	3046	2	9	4.252	32		2.00	4.57	3.93	
	3047	2	9	4.108	32		2.00	4.43	3.79	
	3048	2	9	3.964	32		2.00	4.28	3.64	
	3049	2	9	3.844	32		2.00	4.16	3.52	
Taper	3050	2	9	3.748	32		2.00	4.07	3.43	
FS 6	3051	2.25	9	3.426	32	1.25	2.00	3.75	3.11	1.86
	3052	2.25	9	3.414	32		2.00	3.73	3.09	
	3053	2.75	9	3.426	32		2.00	3.75	3.11	
	3054	2.75	9	2.974	32		2.00	3.29	2.65	
	3055	2.75	9	3.01	32		2.00	3.33	2.69	
	3056	2.75	9	3.046	32		2.00	3.37	2.73	
Pier 4, FS 7	3057	2.75	9	3.082	32	1.5	2.00	3.40	2.76	1.26
	3058	2.75	9	3.106	32		2.00	3.43	2.79	
	3059	2.75	9	3.13	32		2.00	3.45	2.81	
	3060	2.75	9	3.154	32		2.00	3.47	2.83	
	3061	2.75	9	3.19	32		2.00	3.51	2.87	
	3062	2.75	9	3.202	32		2.00	3.52	2.88	
	3063	2.75	9	3.226	32		2.00	3.55	2.91	
	3064	2.75	9	3.238	32		2.00	3.56	2.92	
	3065	2.75	9	3.262	32		2.00	3.58	2.94	
	3066	2.75	9	3.286	32		2.00	3.61	2.97	
	3067	2.75	9	3.31	32		2.00	3.63	2.99	
	3068	2.75	9	3.346	32		2.00	3.67	3.03	
	3069	2.75	9	3.37	32		2.00	3.69	3.05	
Taper	3070	2.75	9	3.418	32		2.00	3.74	3.10	
FS 8	3071	2.75	9	3.442	32	1.5	2.00	3.76	3.12	1.62

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Max Haunch with Cross-Slope (in)	Min Haunch with Cross-Slope (in)	Min Haunch with F.S. PL & Cross-Slope (in)	
					Top Plate Thickness (in)				Cross-Slope (%)
	3072	2.75	9	3.49	32	2.00	3.81	3.17	
	3073	2.75	9	3.562	32	2.00	3.88	3.24	
	3074	2.75	9	3.646	32	2.00	3.97	3.33	
	3075	2.75	9	3.73	32	2.00	4.05	3.41	
	3076	2.25	9	4.314	32	2.00	4.63	3.99	
Span 5, FS 9	3077	2.5	9	4.362	32	1.25	4.68	4.04	2.79
	3078	2.5	9	4.16	32	2.00	4.48	3.84	
	3079	2.5	9	4.184	32	2.00	4.50	3.86	
	3080	2.5	9	4.184	32	2.00	4.50	3.86	
	3081	2.5	9	4.196	32	2.00	4.52	3.88	
	3082	2.5	9	4.196	32	2.00	4.52	3.88	
	3083	2.5	9	4.196	32	2.00	4.52	3.88	
	3084	2.5	9	4.196	32	2.00	4.52	3.88	
	3085	2.5	9	4.208	32	2.00	4.53	3.89	
	3086	2.5	9	4.232	32	2.00	4.55	3.91	
	3087	2.5	9	4.268	32	2.00	4.59	3.95	
Taper FS 10	3088	2.5	9	4.316	32	2.00	4.64	4.00	
	3089	2.75	9	2.566	32	1.5	2.89	2.25	0.75
	3090	2.75	9	2.59	32	2.00	2.91	2.27	
	3091	2.75	9	2.662	32	2.00	2.98	2.34	
	3092	2.5	9	2.996	36	2.00	3.36	2.64	
	3093	2.5	9	3.08	36	2.00	3.44	2.72	
	3094	2.5	9	3.176	36	2.00	3.54	2.82	
Pier 5, FS 11	3095	2.75	9	3.236	36	1.5	3.60	2.88	1.38
	3096	2.75	9	3.034	36	2.00	3.39	2.67	
	3097	2.75	9	3.082	36	2.00	3.44	2.72	
	3098	2.75	9	3.13	36	2.00	3.49	2.77	
	3099	2.75	9	3.178	36	2.00	3.54	2.82	
	3100	2.75	9	3.226	36	2.00	3.59	2.87	
	3101	2.75	9	3.262	36	2.00	3.62	2.90	
	3102	2.75	9	3.298	36	2.00	3.66	2.94	
	3103	2.75	9	3.322	36	2.00	3.68	2.96	
	3104	2.75	9	3.358	36	2.00	3.72	3.00	
	3105	2.75	9	3.406	36	2.00	3.77	3.05	
	3106	2.75	9	3.442	36	2.00	3.80	3.08	
	3107	2.75	9	3.478	36	2.00	3.84	3.12	
Taper FS 12	3108	2.75	9	3.526	36	2.00	3.89	3.17	
	3109	2.75	9	3.574	36	1.5	3.93	3.21	1.71
	3110	2.5	9	3.884	36	2.00	4.24	3.52	
	3111	2.5	9	3.956	36	2.00	4.32	3.60	
	3112	2.5	9	4.04	36	2.00	4.40	3.68	
	3113	2.75	9	4.124	32	2.00	4.44	3.80	
	3114	2.75	9	3.958	32	2.00	4.28	3.64	
Span 6, FS 13	3115	2.75	9	3.994	32	1	4.31	3.67	2.67
	3116	2	9	4.768	32	2.00	5.09	4.45	
	3117	2	9	4.768	32	2.00	5.09	4.45	
	3118	2	9	4.72	32	2.00	5.04	4.40	
	3119	2	9	4.684	32	2.00	5.00	4.36	
	3120	2	9	4.612	32	2.00	4.93	4.29	
	3121	2	9	4.54	32	2.00	4.86	4.22	
	3122	2	9	4.456	32	2.00	4.78	4.14	
	3123	2	9	4.396	32	2.00	4.72	4.08	
	3124	2	9	4.312	32	2.00	4.63	3.99	
	3125	2	9	4.252	32	2.00	4.57	3.93	
Taper FS 14	3126	2	9	4.216	32	2.00	4.54	3.90	
	3127	2	9	4.18	32	1	4.50	3.86	2.86
	3128	2	9	4.168	32	2.00	4.49	3.85	
	3129	2.5	9	4.192	32	2.00	4.51	3.87	
	3130	2.5	9	3.728	32	2.00	4.05	3.41	
	3131	2.5	9	3.764	32	2.00	4.08	3.44	
	3132	2.5	9	3.788	32	2.00	4.11	3.47	
Pier 6, FS 15	3133	2.5	9	3.812	32	1.25	4.13	3.49	2.24
	3134	2.25	9	4.074	32	2.00	4.39	3.75	
	3135	2.25	9	4.086	32	2.00	4.41	3.77	
	3136	2.25	9	4.086	32	2.00	4.41	3.77	
	3137	2.25	9	4.098	32	2.00	4.42	3.78	
	3138	2.25	9	4.122	32	2.00	4.44	3.80	
	3139	2.25	9	4.122	32	2.00	4.44	3.80	
	3140	2.25	9	4.134	32	2.00	4.45	3.81	
	3141	2.25	9	4.146	32	2.00	4.47	3.83	
	3142	2.25	9	4.146	32	2.00	4.47	3.83	
	3143	2.25	9	4.17	32	2.00	4.49	3.85	
	3144	2.25	9	4.17	32	2.00	4.49	3.85	

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange	Slab	Final	Top Flange	Field Splice	Max Haunch	Min Haunch	Min Haunch	
		Thickness	Thickness	Haunch	Width	Top Plate	Cross-Slope	with	with	with F.S. PL &
		(in)	(in)	(in)	(in)	Thickness	(%)	Cross-Slope	Cross-Slope	Cross-Slope
						(in)		(in)	(in)	(in)
		3145	2.25	9	4.194	32		4.51	3.87	
Taper		3146	2.25	9	4.206	32		4.53	3.89	
FS 16		3147	2.5	9	4.218	32	1.5	4.54	3.90	2.40
		3148	2.5	9	4.004	32		4.32	3.68	
		3149	2.5	9	4.028	32		4.35	3.71	
		3150	2.5	9	4.064	32		4.38	3.74	
		3151	2.5	9	4.112	32		4.43	3.79	
		3152	2	9	4.648	32		4.97	4.33	
Span 7, FS 17		3153	2	9	4.648	32	0.75	4.97	4.33	3.58
		3154	1.75	9	4.862	32		5.18	4.54	
		3155	1.75	9	4.814	32		5.13	4.49	
		3156	1.75	9	4.73	32		5.05	4.41	
		3157	1.75	9	4.658	32		4.98	4.34	
		3158	1.75	9	4.562	32		4.88	4.24	
		3159	1.75	9	4.49	32		4.81	4.17	
		3160	1.75	9	4.418	32		4.74	4.10	
		3161	1.75	9	4.346	32		4.67	4.03	
Taper		3162	1.75	9	4.298	32		4.62	3.98	
FS 18		3163	2	9	4.286	32	0.75	4.61	3.97	3.22
		3164	2	9	4.036	32		4.36	3.72	
		3165	2.25	9	4.072	32		4.39	3.75	
		3166	2.25	9	3.894	32		4.21	3.57	
		3167	2.25	9	3.93	32		4.25	3.61	
		3168	2.25	9	3.99	32		4.31	3.67	
Pier 7, FS 19		3169	2.25	9	4.026	32	1.375	4.35	3.71	2.33
		3170	2.25	9	4.05	30		4.35	3.75	
		3171	2.25	9	4.074	30		4.37	3.77	
		3172	2.25	9	4.098	30		4.40	3.80	
		3173	2.25	9	4.122	30		4.42	3.82	
		3174	2.25	9	4.146	30		4.45	3.85	
		3175	2.25	9	4.158	30		4.46	3.86	
		3176	2.25	9	4.158	30		4.46	3.86	
		3177	2.25	9	4.182	30		4.48	3.88	
		3178	2.25	9	4.182	30		4.48	3.88	
		3179	2.25	9	4.240	30		4.54	3.94	
		3180	2.25	9	4.227	30		4.53	3.93	
		3181	2.25	9	4.214	30		4.51	3.91	
Taper		3182	2.25	9	4.246	30		4.55	3.95	
FS 20		3183	2.25	9	4.309	32	1.375	4.63	3.99	2.61
		3184	2.25	9	4.285	32		4.61	3.97	
		3185	2.25	9	4.264	32		4.58	3.94	
		3186	2.25	9	4.333	32		4.65	4.01	
		3187	2.25	9	4.364	32		4.68	4.04	
		3188	2	10	3.583	32		3.90	3.26	
Span 8, FS 21		3189	2.25	10	3.526	32	1	3.85	3.21	2.21
		3190	2.25	10	3.283	32		3.60	2.96	
		3191	2.25	10	3.176	32		3.50	2.86	
		3192	2.25	10	3.105	32		3.43	2.79	
		3193	2.25	10	3.033	32		3.35	2.71	
		3194	2.25	10	2.948	32		3.27	2.63	
		3195	2.25	10	2.891	32		3.21	2.57	
		3196	2.25	10	2.764	32		3.08	2.44	
		3197	2.25	10	2.721	32		3.04	2.40	
Taper		3198	2.25	10	2.655	32		2.98	2.33	
FS 22		3199	2.25	10	2.678	32	1.25	3.00	2.36	1.11
		3200	2.25	10	2.651	32		2.97	2.33	
		3201	2.5	10	2.770	36		3.14	2.40	
		3202	2.5	10	2.779	36		3.15	2.41	
		3203	2.5	10	2.552	36		2.94	2.17	
		3204	2.5	10	2.353	36		2.75	1.95	
Pier 8, FS 23		3205	2.5	10	2.206	36	1.5	2.62	1.79	0.29
		3206	2.5	10	2.188	36		2.62	1.76	
		3207	2.5	10	2.258	36		2.70	1.81	
		3208	2.5	10	2.392	36		2.86	1.93	
		3209	2.5	10	2.459	36		2.94	1.97	
		3210	2.5	10	2.514	36		3.02	2.01	
		3211	2.5	10	2.543	36		3.06	2.03	
		3212	2.5	10	2.584	36		3.12	2.05	
		3213	2.5	10	2.678	36		3.22	2.13	
		3214	2.5	10	2.752	36		3.31	2.19	
		3215	2.5	10	2.762	36		3.34	2.19	
		3216	2.5	10	2.861	36		3.45	2.27	
		3217	2.5	10	2.889	36		3.50	2.28	

New Deck Elevation Region

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange	Slab	Final	Top Flange	Field Splice	Max Haunch	Min Haunch	Min Haunch	
		Thickness	Thickness	Haunch	Width	Top Plate	with	with	with F.S. PL &	
		(in)	(in)	(in)	(in)	Thickness	Cross-Slope	Cross-Slope	Cross-Slope	
		(in)	(in)	(in)	(in)	(in)	(%)	(in)	(in)	(in)
Taper	3218	2.5	10	2.919	36		3.48	3.55	2.29	
FS 24	3219	2.5	10	2.980	36	1.5	3.56	3.62	2.34	0.84
	3220	2.5	10	2.950	36		3.66	3.61	2.29	
	3221	2.5	10	2.913	36		3.79	3.60	2.23	
	3222	2.5	10	2.809	36		3.90	3.51	2.11	
	3223	2.5	10	2.639	36		3.98	3.36	1.92	
	3224	2.25	10	3.076	32		4.02	3.72	2.43	
Span 9, FS 25	3225	2.75	10	3.150	32	1.25	4.04	3.80	2.50	1.25
	3226	2.75	10	3.235	32		4.05	3.88	2.59	
	3227	2.75	10	2.680	32		4.03	3.33	2.03	
	3228	2.75	10	2.617	32		4.02	3.26	1.97	
	3229	2.75	10	2.444	32		4.00	3.08	1.80	
	3230	2.75	10	2.334	32		4.00	2.97	1.69	
	3231	2.75	10	2.31	32		4.00	2.95	1.67	
	3232	2.75	10	2.286	32		4.00	2.93	1.65	
	3233	2.75	10	2.286	32		4.00	2.93	1.65	
Taper, FS 26	3234	2.75	10	2.286	32	1.5	4.00	2.93	1.65	0.15
	3235	2.25	10	2.798	42		4.00	3.64	1.96	
	3236	2.25	10	2.81	42		4.00	3.65	1.97	
	3237	3	10	2.822	45		4.00	3.72	1.92	
	3238	3	10	2.096	45		4.00	3.00	1.20	
	3239	3	10	2.12	45		4.00	3.02	1.22	
	3240	3	10	2.132	45		4.00	3.03	1.23	
	3241	3	10	2.144	45		4.00	3.04	1.24	
Pier 9, FS 27	3242	3	10	2.144	45	1.5	4.00	3.04	1.24	-0.26
	3243	3	10	2.144	45		4.00	3.04	1.24	
	3244	3	10	2.144	45		4.00	3.04	1.24	
	3245	3	10	2.144	45		4.00	3.04	1.24	
	3246	3	10	2.12	45		4.00	3.02	1.22	
	3247	3	10	2.108	45		4.00	3.01	1.21	
	3248	3	10	2.084	45		4.00	2.98	1.18	
	3249	3	10	2.06	45		4.00	2.96	1.16	
	3250	3	10	2.024	45		4.00	2.92	1.12	
	3251	3	10	2.012	45		4.00	2.91	1.11	
	3252	3	10	1.976	45		4.00	2.88	1.08	
Taper, FS 28	3253	3	10	1.964	45	1.5	4.00	2.86	1.06	-0.44
	3254	3	10	1.94	45		4.00	2.84	1.04	
	3255	3	10	1.928	45		4.00	2.83	1.03	
	3256	3	10	1.916	45		4.00	2.82	1.02	
	3257	3	10	1.904	45		4.00	2.80	1.00	
	3258	3	10	1.892	45		4.00	2.79	0.99	
	3259	3	10	2.63	45		4.00	3.53	1.73	
	3260	2.25	10	2.63	42		4.00	3.47	1.79	
Span 10, FS 29	3261	2.25	10	2.63	42	1.125	4.00	3.47	1.79	
	3262	2.25	10	2.618	42		4.00	3.46	1.78	0.65
	3263	2.25	10	2.594	36		4.00	3.31	1.87	
	3264	2.25	10	2.546	36		4.00	3.27	1.83	
	3265	2.25	10	2.498	36		4.00	3.22	1.78	
	3266	2.25	10	2.438	36		4.00	3.16	1.72	
	3267	2.25	10	2.378	36		4.00	3.10	1.66	
	3268	2.25	10	2.306	36		4.00	3.03	1.59	
	3269	2.25	10	2.258	36		4.00	2.98	1.54	
	3270	2.25	10	2.222	36		4.00	2.94	1.50	
	3271	2.25	10	2.198	36		4.00	2.92	1.48	
Taper, FS 30	3272	2.5	10	1.948	42	1.125	4.00	2.79	1.11	-0.02
	3273	2.5	10	1.96	42		4.00	2.80	1.12	
	3274	2.5	10	1.984	42		4.00	2.82	1.14	
	3275	3	10	1.496	48		4.00	2.46	0.54	
	3276	3	10	1.532	48		4.00	2.49	0.57	
	3277	3	10	1.58	48		4.00	2.54	0.62	
	3278	3	10	1.64	48		4.00	2.60	0.68	
	3279	3	10	1.7	48		4.00	2.66	0.74	
	3280	3	10	1.724	48		4.00	2.68	0.76	
Pier 10, FS 31	3281	3	10	1.76	48	1.625	4.00	2.72	0.80	-0.83
	3282	3	10	1.832	45		4.00	2.73	0.93	
	3283	3	10	1.88	45		4.00	2.78	0.98	
	3284	3	9	2.964	45		4.00	3.86	2.06	
	3285	3	9	3.036	45		4.00	3.94	2.14	
	3286	3	9	3.108	45		4.00	4.01	2.21	
	3287	3	9	3.168	45		4.00	4.07	2.27	
	3288	3	9	3.228	45		4.00	4.13	2.33	
	3289	3	9	3.276	45		4.00	4.18	2.38	
	3290	3	9	3.324	45		4.00	4.22	2.42	

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange	Slab	Final	Top Flange	Field Splice	Cross-Slope (%)	Max Haunch	Min Haunch	Min Haunch
		Thickness (in)	Thickness (in)	Haunch (in)	Width (in)	Top Plate Thickness (in)		with Cross-Slope (in)	with Cross-Slope (in)	with F.S. PL & Cross-Slope (in)
Taper, FS 32	3291	3	9	3.348	48	1.625	4.00	4.31	2.39	0.76
	3292	3	9	3.384	48		4.00	4.34	2.42	
	3293	3	9	3.408	48		4.00	4.37	2.45	
	3294	3	9	3.432	48		4.00	4.39	2.47	
	3295	3	9	3.468	48		4.00	4.43	2.51	
	3296	3	9	3.516	48		4.00	4.48	2.56	
	3297	3	9	4.04	48		4.00	5.00	3.08	
	3298	2.5	9	4.052	42		4.00	4.89	3.21	
	3299	2.5	9	4.076	42		4.00	4.92	3.24	
	Span 11, FS 33	3300	3	9	4.1	48	1	4.00	5.06	3.14
3301		3	9	3.612	48		4.00	4.57	2.65	
3302		3	9	3.636	48		4.00	4.60	2.68	
3303		3	9	3.648	48		4.00	4.61	2.69	
3304		3	9	3.648	48		4.00	4.61	2.69	
3305		3	9	3.648	48		4.00	4.61	2.69	
3306		3	9	3.624	48		4.00	4.58	2.66	
3307		3	9	3.612	48		4.00	4.57	2.65	
3308		3	9	3.564	48		4.00	4.52	2.60	
3309		3	9	3.516	48		4.00	4.48	2.56	
FS 34	3310	3	9	3.468	48	1.25	4.00	4.43	2.51	1.26
	3311	3	9	3.408	48		4.00	4.37	2.45	
	3312	3	9	3.336	48		4.00	4.30	2.38	
	3313	3	9	3.252	48		4.00	4.21	2.29	
	3314	3	9	3.156	48		4.00	4.12	2.20	
	3315	3	9	3.06	48		4.00	4.02	2.10	
	3316	3	9	3	48		4.00	3.96	2.04	



**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

		Top Flange	Slab	Final	Top Flange	Field Splice		Max Haunch	Min Haunch	Min Haunch
	JOINT	Thickness	Thickness	Haunch	Width	Top Plate	Cross-	with	with	with F.S. PL &
		(in)	(in)	(in)	(in)	Thickness	Slope	Cross-Slope	Cross-Slope	Cross-Slope
		(in)	(in)	(in)	(in)	(in)	(%)	(in)	(in)	(in)
	<b>Girder 3</b>									
Span 3	5000	2.25	9	3.75	42		2.00	4.17	3.33	
	5001	2.25	9	3.642	42		2.00	4.06	3.22	
	5002	2.25	9	3.546	42		2.00	3.97	3.13	
	5003	2.25	9	3.45	42		2.00	3.87	3.03	
	5004	2.25	9	3.366	42		2.00	3.79	2.95	
	5005	2.25	9	3.282	42		2.00	3.70	2.86	
	5006	2.25	9	3.198	42		2.00	3.62	2.78	
FS 1	5007	2.25	9	3.138	42	1.125	2.00	3.56	2.72	1.59
	5008	2.25	9	3.09	42		2.00	3.51	2.67	
	5009	2.25	9	3.042	42		2.00	3.46	2.62	
	5010	2.25	9	3.006	42		2.00	3.43	2.59	
	5011	2.25	9	2.982	42		2.00	3.40	2.56	
	5012	2.25	9	2.982	42		2.00	3.40	2.56	
	5013	2.25	9	2.982	42		2.00	3.40	2.56	
Taper	5014	2.25	9	3.006	42		2.00	3.43	2.59	
FS 2	5015	2.25	9	3.078	42	0.875	2.00	3.50	2.66	1.78
	5016	2	9	3.376	42		2.00	3.80	2.96	
	5017	2	9	3.448	42		2.00	3.87	3.03	
	5018	2	9	3.52	42		2.00	3.94	3.10	
	5019	2	9	3.592	42		2.00	4.01	3.17	
	5020	2	9	3.652	42		2.00	4.07	3.23	
Pier 3, FS 3	5021	2	9	3.724	42	1.125	2.00	4.14	3.30	2.18
	5022	2	9	3.76	38		2.00	4.14	3.38	
	5023	2	9	3.796	38		2.00	4.18	3.42	
	5024	2	9	3.844	38		2.00	4.22	3.46	
	5025	2	9	3.892	38		2.00	4.27	3.51	
	5026	2	9	3.916	38		2.00	4.30	3.54	
	5027	2	9	3.952	38		2.00	4.33	3.57	
	5028	2	9	3.988	38		2.00	4.37	3.61	
	5029	2	9	4.024	38		2.00	4.40	3.64	
	5030	2	9	4.048	38		2.00	4.43	3.67	
	5031	2	9	4.096	38		2.00	4.48	3.72	
	5032	2	9	4.156	38		2.00	4.54	3.78	
	5033	2	9	4.192	38		2.00	4.57	3.81	
Taper	5034	2	9	4.24	38		2.00	4.62	3.86	
FS 4	5035	2	9	4.3	42	1.125	2.00	4.72	3.88	2.76
	5036	2	9	4.348	42		2.00	4.77	3.93	
	5037	2	9	4.432	42		2.00	4.85	4.01	
	5038	2	9	4.516	42		2.00	4.94	4.10	
	5039	2	9	4.6	42		2.00	5.02	4.18	
	5040	2	9	4.66	42		2.00	5.08	4.24	
Span 4, FS 5	5041	2	9	4.684	42	0.875	2.00	5.10	4.26	3.39
	5042	2	9	4.672	32		2.00	4.99	4.35	
	5043	2	9	4.612	32		2.00	4.93	4.29	
	5044	2	9	4.516	32		2.00	4.84	4.20	
	5045	2	9	4.408	32		2.00	4.73	4.09	
	5046	2	9	4.276	32		2.00	4.60	3.96	
	5047	2	9	4.144	32		2.00	4.46	3.82	
	5048	2	9	4	32		2.00	4.32	3.68	
	5049	2	9	3.88	32		2.00	4.20	3.56	
Taper	5050	2	9	3.784	32		2.00	4.10	3.46	
FS 6	5051	2.25	9	3.462	32	1.25	2.00	3.78	3.14	1.89
	5052	2.25	9	3.438	32		2.00	3.76	3.12	
	5053	2.75	9	3.45	32		2.00	3.77	3.13	
	5054	2.75	9	2.986	32		2.00	3.31	2.67	
	5055	2.75	9	3.022	32		2.00	3.34	2.70	
	5056	2.75	9	3.046	32		2.00	3.37	2.73	
Pier 4, FS 7	5057	2.75	9	3.082	32	1.5	2.00	3.40	2.76	1.26
	5058	2.75	9	3.106	32		2.00	3.43	2.79	
	5059	2.75	9	3.13	32		2.00	3.45	2.81	
	5060	2.75	9	3.142	32		2.00	3.46	2.82	
	5061	2.75	9	3.166	32		2.00	3.49	2.85	
	5062	2.75	9	3.19	32		2.00	3.51	2.87	
	5063	2.75	9	3.202	32		2.00	3.52	2.88	
	5064	2.75	9	3.226	32		2.00	3.55	2.91	
	5065	2.75	9	3.25	32		2.00	3.57	2.93	
	5066	2.75	9	3.262	32		2.00	3.58	2.94	
	5067	2.75	9	3.286	32		2.00	3.61	2.97	
	5068	2.75	9	3.322	32		2.00	3.64	3.00	
	5069	2.75	9	3.358	32		2.00	3.68	3.04	
Taper	5070	2.75	9	3.394	32		2.00	3.71	3.07	
FS 8	5071	2.75	9	3.43	32	1.5	2.00	3.75	3.11	1.61

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Max Haunch with Cross-Slope (in)	Min Haunch with Cross-Slope (in)	Min Haunch with F.S. PL & Cross-Slope (in)		
					Top Plate Thickness (in)				Cross-Slope (%)	
5072	2.75	9	3.466	32		2.00	3.79	3.15		
5073	2.75	9	3.538	32		2.00	3.86	3.22		
5074	2.75	9	3.61	32		2.00	3.93	3.29		
5075	2.75	9	3.694	32		2.00	4.01	3.37		
5076	2.25	9	4.266	32		2.00	4.59	3.95		
Span 5, FS 9	5077	2.5	9	4.302	32	1.25	2.00	4.62	3.98	2.73
	5078	2.5	9	4.1	32		2.00	4.42	3.78	
	5079	2.5	9	4.112	32		2.00	4.43	3.79	
	5080	2.5	9	4.1	32		2.00	4.42	3.78	
	5081	2.5	9	4.088	32		2.00	4.41	3.77	
	5082	2.5	9	4.088	32		2.00	4.41	3.77	
	5083	2.5	9	4.064	32		2.00	4.38	3.74	
	5084	2.5	9	4.04	32		2.00	4.36	3.72	
	5085	2.5	9	4.028	32		2.00	4.35	3.71	
	5086	2.5	9	4.028	32		2.00	4.35	3.71	
	5087	2.5	9	4.04	32		2.00	4.36	3.72	
Taper FS 10	5088	2.5	9	4.064	32		2.00	4.38	3.74	
	5089	2.75	9	2.912	32	1.5	2.00	3.23	2.59	1.09
	5090	2.75	9	2.686	32		2.00	3.01	2.37	
	5091	2.75	9	2.734	32		2.00	3.05	2.41	
	5092	2.5	9	3.068	36		2.00	3.43	2.71	
	5093	2.5	9	3.14	36		2.00	3.50	2.78	
Pier 5, FS 11	5094	2.5	9	3.2	36		2.00	3.56	2.84	
	5095	2.75	9	3.26	36	1.5	2.00	3.62	2.90	1.40
	5096	2.75	9	3.046	36		2.00	3.41	2.69	
	5097	2.75	9	3.082	36		2.00	3.44	2.72	
	5098	2.75	9	3.13	36		2.00	3.49	2.77	
	5099	2.75	9	3.154	36		2.00	3.51	2.79	
	5100	2.75	9	3.202	36		2.00	3.56	2.84	
	5101	2.75	9	3.226	36		2.00	3.59	2.87	
	5102	2.75	9	3.262	36		2.00	3.62	2.90	
	5103	2.75	9	3.298	36		2.00	3.66	2.94	
	5104	2.75	9	3.31	36		2.00	3.67	2.95	
	5105	2.75	9	3.358	36		2.00	3.72	3.00	
	5106	2.75	9	3.394	36		2.00	3.75	3.03	
	5107	2.75	9	3.43	36		2.00	3.79	3.07	
Taper FS 12	5108	2.75	9	3.478	36		2.00	3.84	3.12	
	5109	2.75	9	3.526	36	1.5	2.00	3.89	3.17	1.67
	5110	2.5	9	3.824	36		2.00	4.18	3.46	
	5111	2.5	9	3.896	36		2.00	4.26	3.54	
	5112	2.5	9	3.98	36		2.00	4.34	3.62	
	5113	2.75	9	4.064	32		2.00	4.38	3.74	
Span 6, FS 13	5114	2.75	9	3.886	32		2.00	4.21	3.57	
	5115	2.75	9	3.922	32	1	2.00	4.24	3.60	2.60
	5116	2	9	4.696	32		2.00	5.02	4.38	
	5117	2	9	4.696	32		2.00	5.02	4.38	
	5118	2	9	4.672	32		2.00	4.99	4.35	
	5119	2	9	4.636	32		2.00	4.96	4.32	
	5120	2	9	4.576	32		2.00	4.90	4.26	
	5121	2	9	4.504	32		2.00	4.82	4.18	
	5122	2	9	4.432	32		2.00	4.75	4.11	
	5123	2	9	4.348	32		2.00	4.67	4.03	
	5124	2	9	4.288	32		2.00	4.61	3.97	
	5125	2	9	4.228	32		2.00	4.55	3.91	
Taper FS 14	5126	2	9	4.192	32		2.00	4.51	3.87	
	5127	2	9	4.168	32	1	2.00	4.49	3.85	2.85
	5128	2	9	4.156	32		2.00	4.48	3.84	
	5129	2.5	9	4.18	32		2.00	4.50	3.86	
	5130	2.5	9	3.716	32		2.00	4.04	3.40	
	5131	2.5	9	3.74	32		2.00	4.06	3.42	
	5132	2.5	9	3.764	32		2.00	4.08	3.44	
Pier 6, FS 15	5133	2.5	9	3.788	32	1.25	2.00	4.11	3.47	2.22
	5134	2.25	9	4.05	32		2.00	4.37	3.73	
	5135	2.25	9	4.062	32		2.00	4.38	3.74	
	5136	2.25	9	4.074	32		2.00	4.39	3.75	
	5137	2.25	9	4.074	32		2.00	4.39	3.75	
	5138	2.25	9	4.086	32		2.00	4.41	3.77	
	5139	2.25	9	4.098	32		2.00	4.42	3.78	
	5140	2.25	9	4.11	32		2.00	4.43	3.79	
	5141	2.25	9	4.11	32		2.00	4.43	3.79	
	5142	2.25	9	4.134	32		2.00	4.45	3.81	
	5143	2.25	9	4.146	32		2.00	4.47	3.83	
	5144	2.25	9	4.158	32		2.00	4.48	3.84	

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice Top Plate Thickness (in)	Cross-Slope (%)	Max Haunch with Cross-Slope (in)	Min Haunch with Cross-Slope (in)	Min Haunch with F.S. PL & Cross-Slope (in)
Taper FS 16	5145	2.25	9	4.182	32		2.00	4.50	3.86	
	5146	2.25	9	4.194	32		2.00	4.51	3.87	
	5147	2.5	9	4.218	32	1.5	2.00	4.54	3.90	2.40
	5148	2.5	9	3.992	32		2.00	4.31	3.67	
	5149	2.5	9	4.028	32		2.00	4.35	3.71	
	5150	2.5	9	4.076	32		2.00	4.40	3.76	
Span 7, FS 17	5151	2.5	9	4.136	32		2.00	4.46	3.82	
	5152	2	9	4.648	32		2.00	4.97	4.33	
	5153	2	9	4.66	32	0.75	2.00	4.98	4.34	3.59
	5154	1.75	9	4.874	32		2.00	5.19	4.55	
	5155	1.75	9	4.814	32		2.00	5.13	4.49	
	5156	1.75	9	4.742	32		2.00	5.06	4.42	
	5157	1.75	9	4.658	32		2.00	4.98	4.34	
	5158	1.75	9	4.574	32		2.00	4.89	4.25	
	5159	1.75	9	4.49	32		2.00	4.81	4.17	
	5160	1.75	9	4.406	32		2.00	4.73	4.09	
	5161	1.75	9	4.346	32		2.00	4.67	4.03	
Taper FS 18	5162	1.75	9	4.298	32		2.00	4.62	3.98	
	5163	2	9	4.274	32	0.75	2.00	4.59	3.95	3.20
	5164	2	9	4.036	32		2.00	4.36	3.72	
	5165	2.25	9	4.072	32		2.00	4.39	3.75	
	5166	2.25	9	3.882	32		2.00	4.20	3.56	
	5167	2.25	9	3.93	32		2.00	4.25	3.61	
	5168	2.25	9	3.966	32		2.00	4.29	3.65	
Pier 7, FS 19	5169	2.25	9	4.002	32	1.375	2.00	4.32	3.68	2.31
	5170	2.25	9	4.014	30		2.00	4.31	3.71	
	5171	2.25	9	4.038	30		2.00	4.34	3.74	
	5172	2.25	9	4.05	30		2.00	4.35	3.75	
	5173	2.25	9	4.074	30		2.00	4.37	3.77	
	5174	2.25	9	4.098	30		2.00	4.40	3.80	
	5175	2.25	9	4.098	30		2.00	4.40	3.80	
	5176	2.25	9	4.11	30		2.00	4.41	3.81	
	5177	2.25	9	4.134	30		2.00	4.43	3.83	
	5178	2.25	9	4.146	30		2.00	4.45	3.85	
	5179	2.25	9	4.146	30		2.00	4.45	3.85	
	5180	2.25	9	4.138	30		2.00	4.44	3.84	
	5181	2.25	9	4.143	30		2.00	4.44	3.84	
Taper FS 20	5182	2.25	9	4.180	30		2.00	4.48	3.88	
	5183	2.25	9	4.260	32	1.375	2.00	4.58	3.94	2.56
	5184	2.25	9	4.269	32		2.00	4.59	3.95	
	5185	2.25	9	4.268	32		2.00	4.59	3.95	
	5186	2.25	9	4.262	32		2.00	4.58	3.94	
	5187	2.25	9	4.377	32		2.00	4.70	4.06	
	5188	2	10	3.607	32		2.00	3.93	3.29	
Span 8, FS 21	5189	2.25	10	3.562	32	1	2.00	3.88	3.24	2.24
	5190	2.25	10	3.221	32		2.00	3.54	2.90	
	5191	2.25	10	3.158	32		2.00	3.48	2.84	
	5192	2.25	10	3.108	32		2.00	3.43	2.79	
	5193	2.25	10	2.988	32		2.00	3.31	2.67	
	5194	2.25	10	2.868	32		2.00	3.19	2.55	
	5195	2.25	10	2.766	32		2.00	3.09	2.45	
	5196	2.25	10	2.712	32		2.00	3.03	2.39	
	5197	2.25	10	2.648	32		2.01	2.97	2.33	
	5198	2.25	10	2.562	32		2.01	2.88	2.24	
Taper FS 22	5199	2.25	10	2.482	32	1.25	2.01	2.80	2.16	0.91
	5200	2.25	10	2.559	32		2.02	2.88	2.24	
	5201	2.5	10	2.552	36		2.03	2.92	2.19	
	5202	2.5	10	2.369	36		2.07	2.74	2.00	
Pier 8, FS 23	5203	2.5	10	2.358	36		2.14	2.74	1.97	
	5204	2.5	10	2.399	36		2.22	2.80	2.00	
	5205	2.5	10	2.249	36	1.5	2.32	2.67	1.83	0.33
	5206	2.5	10	2.328	36		2.39	2.76	1.90	
	5207	2.5	10	2.373	36		2.48	2.82	1.93	
	5208	2.5	10	2.339	36		2.59	2.80	1.87	
	5209	2.5	10	2.377	36		2.69	2.86	1.89	
	5210	2.5	10	2.499	36		2.79	3.00	2.00	
	5211	2.5	10	2.541	36		2.87	3.06	2.02	
	5212	2.5	10	2.560	36		2.95	3.09	2.03	
	5213	2.5	10	2.558	36		3.03	3.10	2.01	
	5214	2.5	10	2.587	36		3.10	3.15	2.03	
	5215	2.5	10	2.677	36		3.20	3.25	2.10	
	5216	2.5	10	2.667	36		3.29	3.26	2.07	
	5217	2.5	10	2.721	36		3.39	3.33	2.11	

New Deck Elevation Region

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange	Slab	Final	Top Flange	Field Splice	Max Haunch	Min Haunch	Min Haunch	
		Thickness	Thickness	Haunch	Width	Top Plate	with	with	with F.S. PL &	
		(in)	(in)	(in)	(in)	Thickness	Cross-Slope	Cross-Slope	Cross-Slope	
		(in)	(in)	(in)	(in)	(in)	(%)	(in)	(in)	
									(in)	
Taper FS 24	5218	2.5	10	2.776	36		3.48	3.40	2.15	
	5219	2.5	10	2.802	36	1.5	3.56	3.44	2.16	
	5220	2.5	10	2.777	36		3.67	3.44	2.12	
	5221	2.5	10	2.776	36		3.80	3.46	2.09	
	5222	2.5	10	2.832	36		3.90	3.53	2.13	
Span 9, FS 25	5223	2.5	10	2.711	36		3.98	3.43	1.99	
	5224	2.25	10	3.032	32		4.02	3.67	2.39	
	5225	2.75	10	3.156	32	1.25	4.04	3.80	2.51	
	5226	2.75	10	2.582	32		4.05	3.23	1.94	
	5227	2.75	10	2.575	32		4.03	3.22	1.93	
	5228	2.75	10	2.481	32		4.02	3.12	1.84	
	5229	2.75	10	2.440	32		4.00	3.08	1.80	
	5230	2.75	10	2.358	32		4.00	3.00	1.72	
	5231	2.75	10	2.322	32		4.00	2.96	1.68	
	5232	2.75	10	2.31	32		4.00	2.95	1.67	
Taper FS 26	5233	2.75	10	2.798	32	1.5	4.00	3.44	2.16	
	5234	2.25	10	2.798	42		4.00	3.64	1.96	
	5235	2.25	10	2.822	42		4.00	3.66	1.98	
	5236	3	10	2.084	45		4.00	2.98	1.18	
	5237	3	10	2.108	45		4.00	3.01	1.21	
	5238	3	10	2.12	45		4.00	3.02	1.22	
	5239	3	10	2.156	45		4.00	3.06	1.26	
	5240	3	10	2.216	45		4.00	3.12	1.32	
	Pier 9, FS 27	5241	3	10	2.18	45	1.5	4.00	3.08	1.28
		5242	3	10	2.192	45		4.00	3.09	1.29
5243		3	10	2.18	45		4.00	3.08	1.28	
5244		3	10	2.168	45		4.00	3.07	1.27	
5245		3	10	2.144	45		4.00	3.04	1.24	
5246		3	10	2.12	45		4.00	3.02	1.22	
5247		3	10	2.096	45		4.00	3.00	1.20	
5248		3	10	2.072	45		4.00	2.97	1.17	
5249		3	10	2.036	45		4.00	2.94	1.14	
5250		3	10	2.012	45		4.00	2.91	1.11	
Taper FS 28	5251	3	10	1.976	45		4.00	2.88	1.08	
	5252	3	10	1.952	45		4.00	2.85	1.05	
	5253	3	10	1.928	45	1.5	4.00	2.83	1.03	
	5254	3	10	1.916	45		4.00	2.82	1.02	
	5255	3	10	1.904	45		4.00	2.80	1.00	
	5256	3	10	1.868	45		4.00	2.77	0.97	
	5257	3	10	1.844	45		4.00	2.74	0.94	
	5258	3	10	1.82	45		4.00	2.72	0.92	
	5259	3	10	2.558	45		4.00	3.46	1.66	
	5260	2.25	10	2.534	42		4.00	3.37	1.69	
Span 10, FS 29	5261	2.25	10	2.534	42		4.00	3.37	1.69	
	5262	2.25	10	2.522	42	1.125	4.00	3.36	1.68	
	5263	2.25	10	2.474	36		4.00	3.19	1.75	
	5264	2.25	10	2.414	36		4.00	3.13	1.69	
	5265	2.25	10	2.354	36		4.00	3.07	1.63	
	5266	2.25	10	2.294	36		4.00	3.01	1.57	
	5267	2.25	10	2.234	36		4.00	2.95	1.51	
	5268	2.25	10	2.174	36		4.00	2.89	1.45	
Taper FS 30	5269	2.25	10	2.15	36		4.00	2.87	1.43	
	5270	2.25	10	2.126	36		4.00	2.85	1.41	
	5271	2.5	10	1.888	42	1.125	4.00	2.73	1.05	
	5272	2.5	10	1.9	42		4.00	2.74	1.06	
	5273	2.5	10	1.912	42		4.00	2.75	1.07	
	5274	3	10	1.448	48		4.00	2.41	0.49	
	5275	3	10	1.496	48		4.00	2.46	0.54	
	5276	3	10	1.556	48		4.00	2.52	0.60	
	5277	3	10	1.616	48		4.00	2.58	0.66	
	5278	3	10	1.664	48		4.00	2.62	0.70	
Pier 10, FS 31	5279	3	10	1.736	48	1.625	4.00	2.70	0.78	
	5280	3	10	1.784	45		4.00	2.68	0.88	
	5281	3	10	1.856	45		4.00	2.76	0.96	
	5282	3	10	1.94	45		4.00	2.84	1.04	
	5283	3	9	3.024	45		4.00	3.92	2.12	
	5284	3	9	3.108	45		4.00	4.01	2.21	
	5285	3	9	3.168	45		4.00	4.07	2.27	
	5286	3	9	3.228	45		4.00	4.13	2.33	
	5287	3	9	3.288	45		4.00	4.19	2.39	
	5288	3	9	3.348	45		4.00	4.25	2.45	
Taper FS 32	5289	3	9	3.36	48	1.625	4.00	4.32	2.40	
	5290	3	9	3.408	48		4.00	4.37	2.45	

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Cross-Slope (%)	Max Haunch with Cross-Slope (in)	Min Haunch with Cross-Slope (in)	Min Haunch with F.S. PL & Cross-Slope (in)
					Top Plate Thickness (in)				
5291	3	9	3.456	48		4.00	4.42	2.50	
5292	3	9	3.504	48		4.00	4.46	2.54	
5293	3	9	3.54	48		4.00	4.50	2.58	
5294	3	9	4.064	48		4.00	5.02	3.10	
5295	2.5	9	4.1	42		4.00	4.94	3.26	
5296	2.5	9	4.124	42		4.00	4.96	3.28	
Span 11, FS 33	5297	3	4.136	48	1	4.00	5.10	3.18	2.18
	5298	3	3.648	48		4.00	4.61	2.69	
	5299	3	3.66	48		4.00	4.62	2.70	
	5300	3	3.672	48		4.00	4.63	2.71	
	5301	3	3.684	48		4.00	4.64	2.72	
	5302	3	3.672	48		4.00	4.63	2.71	
	5303	3	3.648	48		4.00	4.61	2.69	
	5304	3	3.612	48		4.00	4.57	2.65	
	5305	3	3.576	48		4.00	4.54	2.62	
FS 34	5306	3	3.54	48	1.25	4.00	4.50	2.58	1.33
	5307	3	3.492	48		4.00	4.45	2.53	
	5308	3	3.408	48		4.00	4.37	2.45	
	5309	3	3.348	48		4.00	4.31	2.39	
	5310	3	3.264	48		4.00	4.22	2.30	
	5311	3	3.18	48		4.00	4.14	2.22	
	5312	3	3.096	48		4.00	4.06	2.14	
	5313	3	3	48		4.00	3.96	2.04	

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

		Top Flange	Slab	Final	Top Flange	Field Splice		Max Haunch	Min Haunch	Min Haunch
		Thickness	Thickness	Haunch	Width	Top Plate	Cross-	with	with	with F.S. PL &
	JOINT	(in)	(in)	(in)	(in)	Thickness	Slope	Cross-Slope	Cross-Slope	Cross-Slope
		(in)	(in)	(in)	(in)	(in)	(%)	(in)	(in)	(in)
	<b>Girder 4</b>									
Span 3	7000	2.25	9	3.75	42		2.00	4.17	3.33	
	7001	2.25	9	3.654	42		2.00	4.07	3.23	
	7002	2.25	9	3.558	42		2.00	3.98	3.14	
	7003	2.25	9	3.45	42		2.00	3.87	3.03	
	7004	2.25	9	3.354	42		2.00	3.77	2.93	
	7005	2.25	9	3.258	42		2.00	3.68	2.84	
FS 1	7006	2.25	9	3.186	42		2.00	3.61	2.77	
	7007	2.25	9	3.126	42	1.125	2.00	3.55	2.71	1.58
	7008	2.25	9	3.066	42		2.00	3.49	2.65	
	7009	2.25	9	3.018	42		2.00	3.44	2.60	
	7010	2.25	9	2.994	42		2.00	3.41	2.57	
	7011	2.25	9	2.97	42		2.00	3.39	2.55	
Taper FS 2	7012	2.25	9	2.958	42		2.00	3.38	2.54	
	7013	2.25	9	2.982	42		2.00	3.40	2.56	
	7014	2.25	9	3.006	42		2.00	3.43	2.59	
	7015	2.25	9	3.078	42	0.875	2.00	3.50	2.66	1.78
	7016	2	9	3.376	42		2.00	3.80	2.96	
	7017	2	9	3.448	42		2.00	3.87	3.03	
Pier 3, FS 3	7018	2	9	3.532	42		2.00	3.95	3.11	
	7019	2	9	3.604	42		2.00	4.02	3.18	
	7020	2	9	3.676	42		2.00	4.10	3.26	
	7021	2	9	3.736	42	1.125	2.00	4.16	3.32	2.19
	7022	2	9	3.772	38		2.00	4.15	3.39	
	7023	2	9	3.82	38		2.00	4.20	3.44	
	7024	2	9	3.868	38		2.00	4.25	3.49	
	7025	2	9	3.916	38		2.00	4.30	3.54	
	7026	2	9	3.952	38		2.00	4.33	3.57	
	7027	2	9	4	38		2.00	4.38	3.62	
	7028	2	9	4.024	38		2.00	4.40	3.64	
	7029	2	9	4.06	38		2.00	4.44	3.68	
	7030	2	9	4.096	38		2.00	4.48	3.72	
	7031	2	9	4.132	38		2.00	4.51	3.75	
Taper FS 4	7032	2	9	4.168	38		2.00	4.55	3.79	
	7033	2	9	4.216	38		2.00	4.60	3.84	
	7034	2	9	4.264	38		2.00	4.64	3.88	
	7035	2	9	4.3	42	1.125	2.00	4.72	3.88	2.76
	7036	2	9	4.36	42		2.00	4.78	3.94	
	7037	2	9	4.42	42		2.00	4.84	4.00	
Span 4, FS 5	7038	2	9	4.492	42		2.00	4.91	4.07	
	7039	2	9	4.576	42		2.00	5.00	4.16	
	7040	2	9	4.636	42		2.00	5.06	4.22	
	7041	2	9	4.648	42	0.875	2.00	5.07	4.23	3.35
	7042	2	9	4.636	32		2.00	4.96	4.32	
	7043	2	9	4.576	32		2.00	4.90	4.26	
	7044	2	9	4.48	32		2.00	4.80	4.16	
	7045	2	9	4.384	32		2.00	4.70	4.06	
Taper FS 6	7046	2	9	4.24	32		2.00	4.56	3.92	
	7047	2	9	4.12	32		2.00	4.44	3.80	
	7048	2	9	4	32		2.00	4.32	3.68	
	7049	2	9	3.892	32		2.00	4.21	3.57	
	7050	2	9	3.796	32		2.00	4.12	3.48	
	7051	2.25	9	3.474	32	1.25	2.00	3.79	3.15	1.90
Pier 4, FS 7	7052	2.25	9	3.462	32		2.00	3.78	3.14	
	7053	2.75	9	3.486	32		2.00	3.81	3.17	
	7054	2.75	9	3.01	32		2.00	3.33	2.69	
	7055	2.75	9	3.046	32		2.00	3.37	2.73	
	7056	2.75	9	3.094	32		2.00	3.41	2.77	
	7057	2.75	9	3.118	32	1.5	2.00	3.44	2.80	1.30
	7058	2.75	9	3.142	32		2.00	3.46	2.82	
	7059	2.75	9	3.166	32		2.00	3.49	2.85	
	7060	2.75	9	3.19	32		2.00	3.51	2.87	
	7061	2.75	9	3.214	32		2.00	3.53	2.89	
Taper FS 8	7062	2.75	9	3.238	32		2.00	3.56	2.92	
	7063	2.75	9	3.238	32		2.00	3.56	2.92	
	7064	2.75	9	3.262	32		2.00	3.58	2.94	
	7065	2.75	9	3.286	32		2.00	3.61	2.97	
	7066	2.75	9	3.298	32		2.00	3.62	2.98	
	7067	2.75	9	3.322	32		2.00	3.64	3.00	
	7068	2.75	9	3.346	32		2.00	3.67	3.03	
	7069	2.75	9	3.37	32		2.00	3.69	3.05	
	7070	2.75	9	3.406	32		2.00	3.73	3.09	
	7071	2.75	9	3.418	32	1.5	2.00	3.74	3.10	1.60

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Max Haunch with Cross-Slope (in)	Min Haunch with Cross-Slope (in)	Min Haunch with F.S. PL & Cross-Slope (in)	
					Top Plate Thickness (in)				Cross-Slope (%)
	7072	2.75	9	3.466	32	2.00	3.79	3.15	
	7073	2.75	9	3.526	32	2.00	3.85	3.21	
	7074	2.75	9	3.574	32	2.00	3.89	3.25	
	7075	2.75	9	3.646	32	2.00	3.97	3.33	
	7076	2.25	9	4.206	32	2.00	4.53	3.89	
Span 5, FS 9	7077	2.5	9	4.23	32	1.25	4.55	3.91	2.66
	7078	2.5	9	3.992	32	2.00	4.31	3.67	
	7079	2.5	9	3.992	32	2.00	4.31	3.67	
	7080	2.5	9	3.968	32	2.00	4.29	3.65	
	7081	2.5	9	3.932	32	2.00	4.25	3.61	
	7082	2.5	9	3.908	32	2.00	4.23	3.59	
	7083	2.5	9	3.86	32	2.00	4.18	3.54	
	7084	2.5	9	3.836	32	2.00	4.16	3.52	
	7085	2.5	9	3.8	32	2.00	4.12	3.48	
	7086	2.5	9	3.776	32	2.00	4.10	3.46	
	7087	2.5	9	3.776	32	2.00	4.10	3.46	
Taper FS 10	7088	2.5	9	3.788	32	2.00	4.11	3.47	
	7089	2.75	9	2.758	32	1.5	3.08	2.44	0.94
	7090	2.75	9	2.77	32	2.00	3.09	2.45	
	7091	2.75	9	2.818	32	2.00	3.14	2.50	
	7092	2.5	9	3.128	36	2.00	3.49	2.77	
	7093	2.5	9	3.2	36	2.00	3.56	2.84	
	7094	2.5	9	3.248	36	2.00	3.61	2.89	
Pier 5, FS 11	7095	2.75	9	3.296	36	1.5	3.66	2.94	1.44
	7096	2.75	9	3.094	36	2.00	3.45	2.73	
	7097	2.75	9	3.118	36	2.00	3.48	2.76	
	7098	2.75	9	3.166	36	2.00	3.53	2.81	
	7099	2.75	9	3.19	36	2.00	3.55	2.83	
	7100	2.75	9	3.226	36	2.00	3.59	2.87	
	7101	2.75	9	3.25	36	2.00	3.61	2.89	
	7102	2.75	9	3.286	36	2.00	3.65	2.93	
	7103	2.75	9	3.298	36	2.00	3.66	2.94	
	7104	2.75	9	3.334	36	2.00	3.69	2.97	
	7105	2.75	9	3.358	36	2.00	3.72	3.00	
	7106	2.75	9	3.406	36	2.00	3.77	3.05	
	7107	2.75	9	3.43	36	2.00	3.79	3.07	
Taper FS 12	7108	2.75	9	3.454	36	2.00	3.81	3.09	
	7109	2.75	9	3.49	36	1.5	3.85	3.13	1.63
	7110	2.5	9	3.788	36	2.00	4.15	3.43	
	7111	2.5	9	3.848	36	2.00	4.21	3.49	
	7112	2.5	9	3.92	36	2.00	4.28	3.56	
	7113	2.75	9	3.992	32	2.00	4.31	3.67	
	7114	2.75	9	3.802	32	2.00	4.12	3.48	
Span 6, FS 13	7115	2.75	9	3.85	32	1	4.17	3.53	2.53
	7116	2	9	4.612	32	2.00	4.93	4.29	
	7117	2	9	4.6	32	2.00	4.92	4.28	
	7118	2	9	4.576	32	2.00	4.90	4.26	
	7119	2	9	4.528	32	2.00	4.85	4.21	
	7120	2	9	4.468	32	2.00	4.79	4.15	
	7121	2	9	4.42	32	2.00	4.74	4.10	
	7122	2	9	4.336	32	2.00	4.66	4.02	
	7123	2	9	4.276	32	2.00	4.60	3.96	
	7124	2	9	4.216	32	2.00	4.54	3.90	
	7125	2	9	4.168	32	2.00	4.49	3.85	
Taper FS 14	7126	2	9	4.132	32	2.00	4.45	3.81	
	7127	2	9	4.12	32	1	4.44	3.80	2.80
	7128	2	9	4.12	32	2.00	4.44	3.80	
	7129	2.5	9	4.144	32	2.00	4.46	3.82	
	7130	2.5	9	3.704	32	2.00	4.02	3.38	
	7131	2.5	9	3.74	32	2.00	4.06	3.42	
	7132	2.5	9	3.776	32	2.00	4.10	3.46	
Pier 6, FS 15	7133	2.5	9	3.812	32	1.25	4.13	3.49	2.24
	7134	2.25	9	4.074	32	2.00	4.39	3.75	
	7135	2.25	9	4.086	32	2.00	4.41	3.77	
	7136	2.25	9	4.098	32	2.00	4.42	3.78	
	7137	2.25	9	4.122	32	2.00	4.44	3.80	
	7138	2.25	9	4.134	32	2.00	4.45	3.81	
	7139	2.25	9	4.146	32	2.00	4.47	3.83	
	7140	2.25	9	4.146	32	2.00	4.47	3.83	
	7141	2.25	9	4.158	32	2.00	4.48	3.84	
	7142	2.25	9	4.17	32	2.00	4.49	3.85	
	7143	2.25	9	4.182	32	2.00	4.50	3.86	
	7144	2.25	9	4.206	32	2.00	4.53	3.89	

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Cross-Slope (%)	Max Haunch	Min Haunch	Min Haunch	
					Top Plate Thickness (in)		with Cross-Slope (in)	with Cross-Slope (in)	with F.S. PL & Cross-Slope (in)	
Taper FS 16	7145	2.25	9	4.218	32		2.00	4.54	3.90	
	7146	2.25	9	4.23	32		2.00	4.55	3.91	
	7147	2.5	9	4.254	32	1.5	2.00	4.57	3.93	2.43
	7148	2.5	9	4.028	32		2.00	4.35	3.71	
	7149	2.5	9	4.064	32		2.00	4.38	3.74	
	7150	2.5	9	4.1	32		2.00	4.42	3.78	
Span 7, FS 17	7151	2.5	9	4.148	32		2.00	4.47	3.83	
	7152	2	9	4.684	32		2.00	5.00	4.36	
	7153	2	9	4.684	32	0.75	2.00	5.00	4.36	3.61
	7154	1.75	9	4.898	32		2.00	5.22	4.58	
	7155	1.75	9	4.838	32		2.00	5.16	4.52	
	7156	1.75	9	4.766	32		2.00	5.09	4.45	
	7157	1.75	9	4.682	32		2.00	5.00	4.36	
	7158	1.75	9	4.61	32		2.00	4.93	4.29	
	7159	1.75	9	4.526	32		2.00	4.85	4.21	
	7160	1.75	9	4.466	32		2.00	4.79	4.15	
	7161	1.75	9	4.382	32		2.00	4.70	4.06	
Taper FS 18	7162	1.75	9	4.334	32		2.00	4.65	4.01	
	7163	2	9	4.31	32	0.75	2.00	4.63	3.99	3.24
	7164	2	9	4.072	32		2.00	4.39	3.75	
	7165	2.25	9	4.108	32		2.00	4.43	3.79	
	7166	2.25	9	3.918	32		2.00	4.24	3.60	
	7167	2.25	9	3.966	32		2.00	4.29	3.65	
Pier 7, FS 19	7168	2.25	9	4.014	32		2.00	4.33	3.69	
	7169	2.25	9	4.05	32	1.375	2.00	4.37	3.73	2.36
	7170	2.25	9	4.074	30		2.00	4.37	3.77	
	7171	2.25	9	4.098	30		2.00	4.40	3.80	
	7172	2.25	9	4.11	30		2.00	4.41	3.81	
	7173	2.25	9	4.134	30		2.00	4.43	3.83	
	7174	2.25	9	4.158	30		2.00	4.46	3.86	
	7175	2.25	9	4.17	30		2.00	4.47	3.87	
	7176	2.25	9	4.17	30		2.00	4.47	3.87	
	7177	2.25	9	4.194	30		2.00	4.49	3.89	
	7178	2.25	9	4.206	30		2.00	4.51	3.91	
	7179	2.25	9	4.222	30		2.00	4.52	3.92	
Taper FS 20	7180	2.25	9	4.214	30		2.00	4.51	3.91	
	7181	2.25	9	4.217	30		2.00	4.52	3.92	
	7182	2.25	9	4.233	30		2.00	4.53	3.93	
	7183	2.25	9	4.236	32	1.375	2.00	4.56	3.92	2.54
	7184	2.25	9	4.240	32		2.00	4.56	3.92	
	7185	2.25	9	4.279	32		2.00	4.60	3.96	
	7186	2.25	9	4.360	32		2.00	4.68	4.04	
	7187	2.25	9	4.369	32		2.00	4.69	4.05	
Span 8, FS 21	7188	2	10	3.606	32		2.00	3.93	3.29	
	7189	2.25	10	3.573	32	1	2.00	3.89	3.25	2.25
	7190	2.25	10	3.250	32		2.00	3.57	2.93	
	7191	2.25	10	3.152	32		2.00	3.47	2.83	
	7192	2.25	10	3.050	32		2.00	3.37	2.73	
	7193	2.25	10	2.942	32		2.00	3.26	2.62	
	7194	2.25	10	2.824	32		2.00	3.14	2.50	
	7195	2.25	10	2.777	32		2.00	3.10	2.46	
	7196	2.25	10	2.731	32		2.00	3.05	2.41	
	7197	2.25	10	2.636	32		2.01	2.96	2.32	
Taper FS 22	7198	2.25	10	2.565	32		2.01	2.89	2.24	
	7199	2.25	10	2.481	32	1.25	2.01	2.80	2.16	0.91
	7200	2.25	10	2.459	32		2.02	2.78	2.14	
	7201	2.5	10	2.459	36		2.03	2.82	2.09	
	7202	2.5	10	2.197	36		2.07	2.57	1.82	
Pier 8, FS 23	7203	2.5	10	2.268	36		2.14	2.65	1.88	
	7204	2.5	10	2.336	36		2.22	2.74	1.94	
	7205	2.5	10	2.462	36	1.5	2.31	2.88	2.05	0.55
	7206	2.5	10	2.509	36		2.39	2.94	2.08	
	7207	2.5	10	2.529	36		2.48	2.98	2.08	
	7208	2.5	10	2.517	36		2.59	2.98	2.05	
	7209	2.5	10	2.444	36		2.69	2.93	1.96	
	7210	2.5	10	2.447	36		2.79	2.95	1.94	
	7211	2.5	10	2.461	36		2.87	2.98	1.94	
	7212	2.5	10	2.452	36		2.95	2.98	1.92	
	7213	2.5	10	2.448	36		3.03	2.99	1.90	
	7214	2.5	10	2.428	36		3.10	2.99	1.87	
	7215	2.5	10	2.411	36		3.20	2.99	1.83	
	7216	2.5	10	2.463	36		3.30	3.06	1.87	
	7217	2.5	10	2.460	36		3.39	3.07	1.85	

New Deck Elevation Region



**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange	Slab	Final	Top Flange	Field Splice	Max Haunch	Min Haunch	Min Haunch	
		Thickness	Thickness	Haunch	Width	Top Plate	with	with	with F.S. PL &	
		(in)	(in)	(in)	(in)	Thickness	Cross-Slope	Cross-Slope	Cross-Slope	
		(in)	(in)	(in)	(in)	(in)	(%)	(in)	(in)	(in)
Taper FS 24	7218	2.5	10	2.448	36		3.48	3.07	1.82	
	7219	2.5	10	2.486	36	1.5	3.57	3.13	1.84	0.34
	7220	2.5	10	2.558	36		3.67	3.22	1.90	
	7221	2.5	10	2.565	36		3.80	3.25	1.88	
	7222	2.5	10	2.695	36		3.90	3.40	1.99	
Span 9, FS 25	7223	2.5	10	2.830	36		3.99	3.55	2.11	
	7224	2.25	10	3.056	32		4.02	3.70	2.41	
	7225	2.75	10	3.018	32	1.25	4.04	3.66	2.37	1.12
	7226	2.75	10	2.559	32		4.05	3.21	1.91	
	7227	2.75	10	2.496	32		4.03	3.14	1.85	
	7228	2.75	10	2.495	32		4.02	3.14	1.85	
	7229	2.75	10	2.430	32		4.00	3.07	1.79	
Taper FS 26	7230	2.75	10	2.454	32		4.00	3.09	1.81	
	7231	2.75	10	2.406	32		4.00	3.05	1.77	
	7232	2.75	10	2.382	32		4.00	3.02	1.74	
	7233	2.75	10	2.882	32	1.5	4.00	3.52	2.24	0.74
	7234	2.25	10	2.87	42		4.00	3.71	2.03	
	7235	2.25	10	2.87	42		4.00	3.71	2.03	
	7236	3	10	2.12	45		4.00	3.02	1.22	
	7237	3	10	2.132	45		4.00	3.03	1.23	
	7238	3	10	2.144	45		4.00	3.04	1.24	
	7239	3	10	2.144	45		4.00	3.04	1.24	
Pier 9, FS 27	7240	3	10	2.12	45		4.00	3.02	1.22	
	7241	3	10	2.144	45	1.5	4.00	3.04	1.24	-0.26
	7242	3	10	2.132	45		4.00	3.03	1.23	
	7243	3	10	2.12	45		4.00	3.02	1.22	
	7244	3	10	2.108	45		4.00	3.01	1.21	
	7245	3	10	2.096	45		4.00	3.00	1.20	
	7246	3	10	2.084	45		4.00	2.98	1.18	
	7247	3	10	2.06	45		4.00	2.96	1.16	
	7248	3	10	2.012	45		4.00	2.91	1.11	
	7249	3	10	2	45		4.00	2.90	1.10	
	7250	3	10	1.952	45		4.00	2.85	1.05	
Taper FS 28	7251	3	10	1.928	45		4.00	2.83	1.03	
	7252	3	10	1.892	45	1.5	4.00	2.79	0.99	-0.51
	7253	3	10	1.868	45		4.00	2.77	0.97	
	7254	3	10	1.844	45		4.00	2.74	0.94	
	7255	3	10	1.796	45		4.00	2.70	0.90	
	7256	3	10	1.772	45		4.00	2.67	0.87	
	7257	3	10	2.486	45		4.00	3.39	1.59	
	7258	2.25	10	2.462	42		4.00	3.30	1.62	
Span 10, FS 29	7259	2.25	10	2.45	42		4.00	3.29	1.61	
	7260	2.25	10	2.438	42	1.125	4.00	3.28	1.60	0.47
	7261	2.25	10	2.414	36		4.00	3.13	1.69	
	7262	2.25	10	2.378	36		4.00	3.10	1.66	
	7263	2.25	10	2.318	36		4.00	3.04	1.60	
	7264	2.25	10	2.27	36		4.00	2.99	1.55	
	7265	2.25	10	2.198	36		4.00	2.92	1.48	
	7266	2.25	10	2.162	36		4.00	2.88	1.44	
Taper, FS 30	7267	2.25	10	2.126	36		4.00	2.85	1.41	
	7268	2.25	10	2.114	36		4.00	2.83	1.39	
	7269	2.5	10	1.864	42	1.125	4.00	2.70	1.02	-0.10
	7270	2.5	10	1.888	42		4.00	2.73	1.05	
	7271	3	10	1.924	48		4.00	2.88	0.96	
	7272	3	10	1.472	48		4.00	2.43	0.51	
	7273	3	10	1.544	48		4.00	2.50	0.58	
	7274	3	10	1.58	48		4.00	2.54	0.62	
Pier 10, FS 31	7275	3	10	1.628	48		4.00	2.59	0.67	
	7276	3	10	1.676	48		4.00	2.64	0.72	
	7277	3	10	1.7	48	1.625	4.00	2.66	0.74	-0.89
	7278	3	10	1.772	45		4.00	2.67	0.87	
	7279	3	10	1.844	45		4.00	2.74	0.94	
	7280	3	10	1.916	45		4.00	2.82	1.02	
	7281	3	10	2	45		4.00	2.90	1.10	
	7282	3	9	3.084	45		4.00	3.98	2.18	
	7283	3	9	3.144	45		4.00	4.04	2.24	
	7284	3	9	3.204	45		4.00	4.10	2.30	
Taper, FS 32	7285	3	9	3.264	45		4.00	4.16	2.36	
	7286	3	9	3.3	45		4.00	4.20	2.40	
	7287	3	9	3.348	48	1.625	4.00	4.31	2.39	0.76
	7288	3	9	3.288	48		4.00	4.25	2.33	
	7289	3	9	3.444	48		4.00	4.40	2.48	
7290	3	9	3.504	48		4.00	4.46	2.54		

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Cross- Slope (%)	Max Haunch	Min Haunch	Min Haunch	
					Top Plate Thickness (in)		with Cross-Slope (in)	with Cross-Slope (in)	with F.S. PL & Cross-Slope (in)	
	7291	3	9	3.54	48		4.00	4.50	2.58	
	7292	3	9	4.076	48		4.00	5.04	3.12	
	7293	2.5	9	4.088	42		4.00	4.93	3.25	
	7294	2.5	9	4.112	42		4.00	4.95	3.27	
Span 11, FS 33	7295	3	9	4.136	48	1	4.00	5.10	3.18	2.18
	7296	3	9	3.648	48		4.00	4.61	2.69	
	7297	3	9	3.66	48		4.00	4.62	2.70	
	7298	3	9	3.672	48		4.00	4.63	2.71	
	7299	3	9	3.672	48		4.00	4.63	2.71	
	7300	3	9	3.66	48		4.00	4.62	2.70	
	7301	3	9	3.636	48		4.00	4.60	2.68	
	7302	3	9	3.6	48		4.00	4.56	2.64	
	7303	3	9	3.564	48		4.00	4.52	2.60	
	7304	3	9	3.516	48		4.00	4.48	2.56	
FS 34	7305	3	9	3.468	48	1.25	4.00	4.43	2.51	1.26
	7306	3	9	3.408	48		4.00	4.37	2.45	
	7307	3	9	3.336	48		4.00	4.30	2.38	
	7308	3	9	3.276	48		4.00	4.24	2.32	
	7309	3	9	3.192	48		4.00	4.15	2.23	
	7310	3	9	3.096	48		4.00	4.06	2.14	
	7311	3	9	3	48		4.00	3.96	2.04	

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

		Top Flange	Slab	Final	Top Flange	Field Splice		Max Haunch	Min Haunch	Min Haunch
	JOINT	Thickness	Thickness	Haunch	Width	Top Plate	Cross-	with	with	with F.S. PL &
		(in)	(in)	(in)	(in)	Thickness	Slope	Cross-Slope	Cross-Slope	Cross-Slope
		(in)	(in)	(in)	(in)	(in)	(%)	(in)	(in)	(in)
	<b>Girder 5</b>									
Span 3	9000	2.25	9	3.75	42		2.00	4.17	3.33	
	9001	2.25	9	3.63	42		2.00	4.05	3.21	
	9002	2.25	9	3.522	42		2.00	3.94	3.10	
	9003	2.25	9	3.378	42		2.00	3.80	2.96	
	9004	2.25	9	3.246	42		2.00	3.67	2.83	
	9005	2.25	9	3.126	42		2.00	3.55	2.71	
	9006	2.25	9	3.006	42		2.00	3.43	2.59	
FS 1	9007	2.25	9	2.922	42	1.125	2.00	3.34	2.50	1.38
	9008	2.25	9	2.85	42		2.00	3.27	2.43	
	9009	2.25	9	2.802	42		2.00	3.22	2.38	
	9010	2.25	9	2.766	42		2.00	3.19	2.35	
	9011	2.25	9	2.754	42		2.00	3.17	2.33	
	9012	2.25	9	2.766	42		2.00	3.19	2.35	
	9013	2.25	9	2.802	42		2.00	3.22	2.38	
Taper	9014	2.25	9	2.862	42		2.00	3.28	2.44	
FS 2	9015	2.25	9	2.982	42	0.875	2.00	3.40	2.56	1.69
	9016	2	9	3.292	42		2.00	3.71	2.87	
	9017	2	9	3.4	42		2.00	3.82	2.98	
	9018	2	9	3.52	42		2.00	3.94	3.10	
	9019	2	9	3.616	42		2.00	4.04	3.20	
	9020	2	9	3.712	42		2.00	4.13	3.29	
Pier 3, FS 3	9021	2	9	3.784	42	1.125	2.00	4.20	3.36	2.24
	9022	2	9	3.832	38		2.00	4.21	3.45	
	9023	2	9	3.88	38		2.00	4.26	3.50	
	9024	2	9	3.928	38		2.00	4.31	3.55	
	9025	2	9	3.976	38		2.00	4.36	3.60	
	9026	2	9	4.024	38		2.00	4.40	3.64	
	9027	2	9	4.048	38		2.00	4.43	3.67	
	9028	2	9	4.084	38		2.00	4.46	3.70	
	9029	2	9	4.108	38		2.00	4.49	3.73	
	9030	2	9	4.144	38		2.00	4.52	3.76	
	9031	2	9	4.18	38		2.00	4.56	3.80	
	9032	2	9	4.216	38		2.00	4.60	3.84	
	9033	2	9	4.252	38		2.00	4.63	3.87	
Taper	9034	2	9	4.288	38		2.00	4.67	3.91	
FS 4	9035	2	9	4.336	42	1.125	2.00	4.76	3.92	2.79
	9036	2	9	4.372	42		2.00	4.79	3.95	
	9037	2	9	4.42	42		2.00	4.84	4.00	
	9038	2	9	4.48	42		2.00	4.90	4.06	
	9039	2	9	4.528	42		2.00	4.95	4.11	
	9040	2	9	4.552	42		2.00	4.97	4.13	
Span 4, FS 5	9041	2	9	4.564	42	0.875	2.00	4.98	4.14	3.27
	9042	2	9	4.528	32		2.00	4.85	4.21	
	9043	2	9	4.444	32		2.00	4.76	4.12	
	9044	2	9	4.36	32		2.00	4.68	4.04	
	9045	2	9	4.24	32		2.00	4.56	3.92	
	9046	2	9	4.12	32		2.00	4.44	3.80	
	9047	2	9	4	32		2.00	4.32	3.68	
	9048	2	9	3.892	32		2.00	4.21	3.57	
	9049	2	9	3.808	32		2.00	4.13	3.49	
Taper	9050	2	9	3.736	32		2.00	4.06	3.42	
FS 6	9051	2.25	9	3.45	32	1.25	2.00	3.77	3.13	1.88
	9052	2.25	9	3.45	32		2.00	3.77	3.13	
	9053	2.75	9	3.486	32		2.00	3.81	3.17	
	9054	2.75	9	3.034	32		2.00	3.35	2.71	
	9055	2.75	9	3.082	32		2.00	3.40	2.76	
	9056	2.75	9	3.13	32		2.00	3.45	2.81	
Pier 4, FS 7	9057	2.75	9	3.166	32	1.5	2.00	3.49	2.85	1.35
	9058	2.75	9	3.19	32		2.00	3.51	2.87	
	9059	2.75	9	3.214	32		2.00	3.53	2.89	
	9060	2.75	9	3.238	32		2.00	3.56	2.92	
	9061	2.75	9	3.274	32		2.00	3.59	2.95	
	9062	2.75	9	3.286	32		2.00	3.61	2.97	
	9063	2.75	9	3.31	32		2.00	3.63	2.99	
	9064	2.75	9	3.322	32		2.00	3.64	3.00	
	9065	2.75	9	3.334	32		2.00	3.65	3.01	
	9066	2.75	9	3.358	32		2.00	3.68	3.04	
	9067	2.75	9	3.37	32		2.00	3.69	3.05	
	9068	2.75	9	3.382	32		2.00	3.70	3.06	
	9069	2.75	9	3.418	32		2.00	3.74	3.10	
Taper	9070	2.75	9	3.43	32		2.00	3.75	3.11	
FS 8	9071	2.75	9	3.454	32	1.5	2.00	3.77	3.13	1.63

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Max Haunch with Cross-Slope (in)	Min Haunch with Cross-Slope (in)	Min Haunch with F.S. PL & Cross-Slope (in)	
					Top Plate Thickness (in)				Cross-Slope (%)
9072	2.75	9	3.466	32		2.00	3.79	3.15	
9073	2.75	9	3.502	32		2.00	3.82	3.18	
9074	2.75	9	3.538	32		2.00	3.86	3.22	
9075	2.75	9	3.574	32		2.00	3.89	3.25	
9076	2.25	9	4.098	32		2.00	4.42	3.78	
Span 5, FS 9	9077	2.5	9	4.098	32	1.25	4.42	3.78	2.53
	9078	2.5	9	3.824	32		4.14	3.50	
	9079	2.5	9	3.788	32		4.11	3.47	
	9080	2.5	9	3.728	32		4.05	3.41	
	9081	2.5	9	3.68	32		4.00	3.36	
	9082	2.5	9	3.62	32		3.94	3.30	
	9083	2.5	9	3.572	32		3.89	3.25	
	9084	2.5	9	3.512	32		3.83	3.19	
	9085	2.5	9	3.476	32		3.80	3.16	
	9086	2.5	9	3.452	32		3.77	3.13	
	9087	2.5	9	3.452	32		3.77	3.13	
Taper FS 10	9088	2.5	9	3.464	32		3.78	3.14	
	9089	2.75	9	2.782	32	1.5	3.10	2.46	0.96
	9090	2.75	9	2.806	32		3.13	2.49	
	9091	2.75	9	2.866	32		3.19	2.55	
	9092	2.5	9	3.188	36		3.55	2.83	
	9093	2.5	9	3.248	36		3.61	2.89	
Pier 5, FS 11	9094	2.5	9	3.308	36		3.67	2.95	
	9095	2.75	9	3.356	36	1.5	3.72	3.00	1.50
	9096	2.75	9	3.142	36		3.50	2.78	
	9097	2.75	9	3.166	36		3.53	2.81	
	9098	2.75	9	3.202	36		3.56	2.84	
	9099	2.75	9	3.238	36		3.60	2.88	
	9100	2.75	9	3.262	36		3.62	2.90	
	9101	2.75	9	3.286	36		3.65	2.93	
	9102	2.75	9	3.31	36		3.67	2.95	
	9103	2.75	9	3.334	36		3.69	2.97	
	9104	2.75	9	3.346	36		3.71	2.99	
	9105	2.75	9	3.382	36		3.74	3.02	
	9106	2.75	9	3.418	36		3.78	3.06	
	9107	2.75	9	3.442	36		3.80	3.08	
Taper FS 12	9108	2.75	9	3.466	36		3.83	3.11	
	9109	2.75	9	3.49	36	1.5	3.85	3.13	1.63
	9110	2.5	9	3.788	36		4.15	3.43	
	9111	2.5	9	3.824	36		4.18	3.46	
	9112	2.5	9	3.872	36		4.23	3.51	
	9113	2.75	9	3.92	32		4.24	3.60	
Span 6, FS 13	9114	2.75	9	3.718	32		4.04	3.40	
	9115	2.75	9	3.718	32	1	4.04	3.40	2.40
	9116	2	9	4.48	32		4.80	4.16	
	9117	2	9	4.456	32		4.78	4.14	
	9118	2	9	4.396	32		4.72	4.08	
	9119	2	9	4.36	32		4.68	4.04	
	9120	2	9	4.3	32		4.62	3.98	
	9121	2	9	4.228	32		4.55	3.91	
	9122	2	9	4.18	32		4.50	3.86	
	9123	2	9	4.12	32		4.44	3.80	
	9124	2	9	4.084	32		4.40	3.76	
	9125	2	9	4.06	32		4.38	3.74	
Taper FS 14	9126	2	9	4.048	32		4.37	3.73	
	9127	2	9	4.048	32	1	4.37	3.73	2.73
	9128	2	9	4.072	32		4.39	3.75	
	9129	2.5	9	4.108	32		4.43	3.79	
	9130	2.5	9	3.656	32		3.98	3.34	
	9131	2.5	9	3.704	32		4.02	3.38	
	9132	2.5	9	3.752	32		4.07	3.43	
Pier 6, FS 15	9133	2.5	9	3.788	32	1.25	4.11	3.47	2.22
	9134	2.25	9	4.062	32		4.38	3.74	
	9135	2.25	9	4.074	32		4.39	3.75	
	9136	2.25	9	4.11	32		4.43	3.79	
	9137	2.25	9	4.122	32		4.44	3.80	
	9138	2.25	9	4.146	32		4.47	3.83	
	9139	2.25	9	4.158	32		4.48	3.84	
	9140	2.25	9	4.17	32		4.49	3.85	
	9141	2.25	9	4.182	32		4.50	3.86	
	9142	2.25	9	4.206	32		4.53	3.89	
	9143	2.25	9	4.23	32		4.55	3.91	
	9144	2.25	9	4.242	32		4.56	3.92	

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Cross-Slope (%)	Max Haunch	Min Haunch	Min Haunch
						Top Plate Thickness (in)		with Cross-Slope (in)	with Cross-Slope (in)	with F.S. PL & Cross-Slope (in)
Taper FS 16	9145	2.25	9	4.278	32		2.00	4.60	3.96	
	9146	2.25	9	4.29	32		2.00	4.61	3.97	
	9147	2.5	9	4.314	32	1.5	2.00	4.63	3.99	2.49
	9148	2.5	9	4.088	32		2.00	4.41	3.77	
	9149	2.5	9	4.124	32		2.00	4.44	3.80	
	9150	2.5	9	4.16	32		2.00	4.48	3.84	
Span 7, FS 17	9151	2.5	9	4.196	32		2.00	4.52	3.88	
	9152	2	9	4.708	32		2.00	5.03	4.39	
	9153	2	9	4.708	32	0.75	2.00	5.03	4.39	3.64
	9154	1.75	9	4.91	32		2.00	5.23	4.59	
	9155	1.75	9	4.85	32		2.00	5.17	4.53	
	9156	1.75	9	4.766	32		2.00	5.09	4.45	
	9157	1.75	9	4.694	32		2.00	5.01	4.37	
	9158	1.75	9	4.61	32		2.00	4.93	4.29	
	9159	1.75	9	4.538	32		2.00	4.86	4.22	
	9160	1.75	9	4.478	32		2.00	4.80	4.16	
	9161	1.75	9	4.43	32		2.00	4.75	4.11	
Taper FS 18	9162	1.75	9	4.394	32		2.00	4.71	4.07	
	9163	2	9	4.394	32	0.75	2.00	4.71	4.07	3.32
	9164	2	9	4.156	32		2.00	4.48	3.84	
	9165	2.25	9	4.204	32		2.00	4.52	3.88	
	9166	2.25	9	4.014	32		2.00	4.33	3.69	
	9167	2.25	9	4.074	32		2.00	4.39	3.75	
Pier 7, FS 19	9168	2.25	9	4.11	32		2.00	4.43	3.79	
	9169	2.25	9	4.146	32	1.375	2.00	4.47	3.83	2.45
	9170	2.25	9	4.17	30		2.00	4.47	3.87	
	9171	2.25	9	4.194	30		2.00	4.49	3.89	
	9172	2.25	9	4.206	30		2.00	4.51	3.91	
	9173	2.25	9	4.23	30		2.00	4.53	3.93	
	9174	2.25	9	4.242	30		2.00	4.54	3.94	
	9175	2.25	9	4.254	30		2.00	4.55	3.95	
	9176	2.25	9	4.266	30		2.00	4.57	3.97	
	9177	2.25	9	4.278	30		2.00	4.58	3.98	
	9178	2.25	9	4.29	30		2.00	4.59	3.99	
	9179	2.25	9	4.310	30		2.00	4.61	4.01	
Taper FS 20	9180	2.25	9	4.337	30		2.00	4.64	4.04	
	9181	2.25	9	4.339	30		2.00	4.64	4.04	
	9182	2.25	9	4.359	30		2.00	4.66	4.06	
	9183	2.25	9	4.356	32	1.375	2.00	4.68	4.04	2.66
	9184	2.25	9	4.385	32		2.00	4.71	4.07	
	9185	2.25	9	4.387	32		2.00	4.71	4.07	
	9186	2.25	9	4.395	32		2.00	4.72	4.08	
	9187	2.25	9	4.399	32		2.00	4.72	4.08	
Span 8, FS 21	9188	2	10	3.625	32		2.00	3.94	3.30	
	9189	2.25	10	3.597	32	1	2.00	3.92	3.28	2.28
	9190	2.25	10	3.237	32		2.00	3.56	2.92	
	9191	2.25	10	3.140	32		2.00	3.46	2.82	
	9192	2.25	10	3.036	32		2.00	3.36	2.72	
	9193	2.25	10	2.939	32		2.00	3.26	2.62	
	9194	2.25	10	2.840	32		2.00	3.16	2.52	
	9195	2.25	10	2.748	32		2.00	3.07	2.43	
	9196	2.25	10	2.654	32		2.00	2.97	2.33	
	9197	2.25	10	2.567	32		2.01	2.89	2.25	
Taper FS 22	9198	2.25	10	2.508	32		2.01	2.83	2.19	
	9199	2.25	10	2.358	32	1.25	2.01	2.68	2.04	0.79
	9200	2.25	10	2.354	32		2.02	2.68	2.03	
	9201	2.5	10	2.371	36		2.03	2.74	2.01	
Pier 8, FS 23	9202	2.5	10	2.000	36		2.07	2.37	1.63	
	9203	2.5	10	2.126	36		2.14	2.51	1.74	
	9204	2.5	10	2.354	36		2.22	2.75	1.95	
	9205	2.5	10	2.484	36	1.5	2.31	2.90	2.07	0.57
	9206	2.5	10	2.570	36		2.39	3.00	2.14	
	9207	2.5	10	2.597	36		2.48	3.04	2.15	
	9208	2.5	10	2.567	36		2.58	3.03	2.10	
	9209	2.5	10	2.463	36		2.69	2.95	1.98	
	9210	2.5	10	2.452	36		2.79	2.95	1.95	
	9211	2.5	10	2.393	36		2.87	2.91	1.88	
	9212	2.5	10	2.308	36		2.95	2.84	1.78	
	9213	2.5	10	2.289	36		3.03	2.83	1.74	
9214	2.5	10	2.283	36		3.11	2.84	1.72		
9215	2.5	10	2.288	36		3.20	2.86	1.71		
9216	2.5	10	2.263	36		3.30	2.86	1.67		
9217	2.5	10	2.265	36		3.40	2.88	1.65		

New Deck Elevation Region

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

	JOINT	Top Flange	Slab	Final	Top Flange	Field Splice	Max Haunch	Min Haunch	Min Haunch	
		Thickness	Thickness	Haunch	Width	Top Plate	with	with	with F.S. PL &	
		(in)	(in)	(in)	(in)	Thickness	Cross-Slope	Cross-Slope	Cross-Slope	
		(in)	(in)	(in)	(in)	(in)	(%)	(in)	(in)	(in)
Taper FS 24	9218	2.5	10	2.309	36		3.49	2.94	1.68	
	9219	2.5	10	2.357	36	1.5	3.57	3.00	1.71	0.21
	9220	2.5	10	2.367	36		3.68	3.03	1.71	
	9221	2.5	10	2.469	36		3.81	3.15	1.78	
	9222	2.5	10	2.618	36		3.91	3.32	1.91	
Span 9, FS 25	9223	2.5	10	2.805	36		3.99	3.52	2.09	
	9224	2.25	10	2.949	32		4.02	3.59	2.30	
	9225	2.75	10	2.859	32	1.25	4.04	3.51	2.21	0.96
	9226	2.75	10	2.408	32		4.05	3.05	1.76	
	9227	2.75	10	2.458	32		4.03	3.10	1.81	
	9228	2.75	10	2.428	32		4.02	3.07	1.78	
	9229	2.75	10	2.518	32		4.00	3.16	1.88	
Taper, FS 26	9230	2.75	10	2.49	32		4.00	3.13	1.85	
	9231	2.75	10	2.466	32		4.00	3.11	1.83	
	9232	2.75	10	2.942	32	1.5	4.00	3.58	2.30	0.80
	9233	2.25	10	2.942	42		4.00	3.78	2.10	
	9234	2.25	10	2.93	42		4.00	3.77	2.09	
	9235	3	10	2.18	45		4.00	3.08	1.28	
	9236	3	10	2.18	45		4.00	3.08	1.28	
	9237	3	10	2.18	45		4.00	3.08	1.28	
	9238	3	10	2.18	45		4.00	3.08	1.28	
	9239	3	10	2.18	45		4.00	3.08	1.28	
	9240	3	10	2.168	45		4.00	3.07	1.27	
Pier 9, FS 27	9241	3	10	2.168	45		4.00	3.07	1.27	
	9242	3	10	2.168	45	1.5	4.00	3.07	1.27	-0.23
	9243	3	10	2.144	45		4.00	3.04	1.24	
	9244	3	10	2.12	45		4.00	3.02	1.22	
	9245	3	10	2.096	45		4.00	3.00	1.20	
	9246	3	10	2.084	45		4.00	2.98	1.18	
	9247	3	10	2.048	45		4.00	2.95	1.15	
	9248	3	10	2.012	45		4.00	2.91	1.11	
	9249	3	10	1.988	45		4.00	2.89	1.09	
	9250	3	10	1.952	45		4.00	2.85	1.05	
Taper FS 28	9251	3	10	1.904	45		4.00	2.80	1.00	
	9252	3	10	1.868	45		4.00	2.77	0.97	
	9253	3	10	1.868	45	1.5	4.00	2.77	0.97	-0.53
	9254	3	10	1.832	45		4.00	2.73	0.93	
	9255	3	10	1.772	45		4.00	2.67	0.87	
	9256	3	10	1.724	45		4.00	2.62	0.82	
	9257	3	10	1.688	45		4.00	2.59	0.79	
	9258	3	10	2.414	45		4.00	3.31	1.51	
Span 10, FS 29	9259	2.25	10	2.378	42		4.00	3.22	1.54	
	9260	2.25	10	2.354	42		4.00	3.19	1.51	
	9261	2.25	10	2.354	42	1.125	4.00	3.19	1.51	0.39
	9262	2.25	10	2.318	36		4.00	3.04	1.60	
	9263	2.25	10	2.282	36		4.00	3.00	1.56	
	9264	2.25	10	2.246	36		4.00	2.97	1.53	
	9265	2.25	10	2.21	36		4.00	2.93	1.49	
Taper FS 30	9266	2.25	10	2.162	36		4.00	2.88	1.44	
	9267	2.25	10	2.162	36		4.00	2.88	1.44	
	9268	2.25	10	2.162	36		4.00	2.88	1.44	
	9269	2.5	10	1.912	42	1.125	4.00	2.75	1.07	-0.05
	9270	2.5	10	1.924	42		4.00	2.76	1.08	
	9271	3	10	1.448	48		4.00	2.41	0.49	
	9272	3	10	1.496	48		4.00	2.46	0.54	
	9273	3	10	1.52	48		4.00	2.48	0.56	
	9274	3	10	1.568	48		4.00	2.53	0.61	
	9275	3	10	1.652	48		4.00	2.61	0.69	
Pier 10, FS 31	9276	3	10	1.676	48		4.00	2.64	0.72	
	9277	3	10	1.712	48	1.625	4.00	2.67	0.75	-0.87
	9278	3	10	1.772	45		4.00	2.67	0.87	
	9279	3	10	1.856	45		4.00	2.76	0.96	
	9280	3	10	1.94	45		4.00	2.84	1.04	
	9281	3	10	2.012	45		4.00	2.91	1.11	
	9282	3	10	2.096	45		4.00	3.00	1.20	
	9283	3	9	3.168	45		4.00	4.07	2.27	
	9284	3	9	3.228	45		4.00	4.13	2.33	
	9285	3	9	3.288	45		4.00	4.19	2.39	
Taper FS 32	9286	3	9	3.336	45		4.00	4.24	2.44	
	9287	3	9	3.36	48	1.625	4.00	4.32	2.40	0.78
	9288	3	9	3.408	48		4.00	4.37	2.45	
	9289	3	9	3.444	48		4.00	4.40	2.48	
	9290	3	9	3.492	48		4.00	4.45	2.53	

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

Note: Method for picking flange dimensions for transition nodes is to use the thicker flange, or if flange thickness is the same, use the wider flange.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch (in)	Top Flange Width (in)	Field Splice	Cross- Slope (%)	Max Haunch	Min Haunch	Min Haunch	
					Top Plate Thickness (in)		with Cross-Slope (in)	with Cross-Slope (in)	with F.S. PL & Cross-Slope (in)	
	9291	3	9	3.54	48		4.00	4.50	2.58	
	9292	3	9	4.052	48		4.00	5.01	3.09	
	9293	2.5	9	4.064	42		4.00	4.90	3.22	
	9294	2.5	9	4.076	42		4.00	4.92	3.24	
Span 11, FS 33	9295	3	9	4.1	48	1	4.00	5.06	3.14	2.14
	9296	3	9	3.6	48		4.00	4.56	2.64	
	9297	3	9	3.612	48		4.00	4.57	2.65	
	9298	3	9	3.612	48		4.00	4.57	2.65	
	9299	3	9	3.612	48		4.00	4.57	2.65	
	9300	3	9	3.6	48		4.00	4.56	2.64	
	9301	3	9	3.576	48		4.00	4.54	2.62	
	9302	3	9	3.552	48		4.00	4.51	2.59	
	9303	3	9	3.516	48		4.00	4.48	2.56	
	9304	3	9	3.468	48		4.00	4.43	2.51	
	9305	3	9	3.432	48		4.00	4.39	2.47	
FS 34	9306	3	9	3.372	48	1.25	4.00	4.33	2.41	1.16
	9307	3	9	3.312	48		4.00	4.27	2.35	
	9308	3	9	3.24	48		4.00	4.20	2.28	
	9309	3	9	3.18	48		4.00	4.14	2.22	
	9310	3	9	3.096	48		4.00	4.06	2.14	
	9311	3	9	3.024	48		4.00	3.98	2.06	
	9312	3	9	3	48		4.00	3.96	2.04	

<b>HNTB</b> <i>The HNTB Companies</i>	Made	<b>SJL</b>	Date	<b>5/9/2012</b>	Job Number	<b>49633</b>
	Checked	<b>DJG</b>	Date	<b>5/14/2012</b>		
	For	<b>Cleveland Innerbelt - Unit 2</b>	Backchk'd	<b>SJL</b>	Date	<b>5/16/2012</b>

\\kcw00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check\Haunch\_Height\_comparison\_2012-5-1.xlsm]Haunch Height

**This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.**

JOINT	Final Haunch							
	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)	Distance Along Girder (ft)	Fraction of Section		
<u>Girder 1</u>								
Span 3	1000	2.25	9	3.750	6.000	0.000	0.000	
	1001	2.25	9	3.498	5.748	17.007	0.055	
	1002	2.25	9	3.342	5.592	27.856	0.090	
	1003	2.25	9	3.198	5.448	40.053	0.129	
	1004	2.25	9	3.054	5.304	52.249	0.168	
	1005	2.25	9	2.934	5.184	64.444	0.208	
FS 1	1006	2.25	9	2.814	5.064	76.638	0.247	
	FS	2.25	9	2.770	5.020	83.000	0.268	
FS 1 node	1007	2.25	9	2.730	4.980	88.830	0.286	
	1008	2.25	9	2.670	4.920	101.023	0.326	
	1009	2.25	9	2.622	4.872	113.214	0.365	
	1010	2.25	9	2.586	4.836	125.405	0.404	
	1011	2.25	9	2.586	4.836	137.595	0.444	
	1012	2.25	9	2.622	4.872	149.786	0.483	
	1013	2.25	9	2.670	4.920	161.976	0.522	
Taper	1014	2.25	9	2.742	4.992	174.167	0.562	
	FS 2	2.25	9	2.862	5.112	190.898	0.616	
FS 2	1016	2	9	3.196	5.196	199.148	0.642	
	1017	2	9	3.316	5.316	210.898	0.680	
	1018	2	9	3.448	5.448	224.148	0.723	
	1019	2	9	3.568	5.568	236.648	0.763	
	1020	2	9	3.676	5.676	249.148	0.803	
	Pier 3, FS 3	1021	2	9	3.748	5.748	258.648	0.834
		1022	2	9	3.808	5.808	266.398	0.859
		1023	2	9	3.868	5.868	274.148	0.884
		1024	2	9	3.916	5.916	282.148	0.910
		1025	2	9	3.976	5.976	290.148	0.936
1026		2	9	4.024	6.024	298.148	0.961	
1027		2	9	4.060	6.060	304.148	0.981	
CL Pier 3	1028	2	9	4.096	6.096	310.148	1.000	
	1029	2	9	4.120	6.120	316.148	0.016	
	1030	2	9	4.168	6.168	322.148	0.033	
	1031	2	9	4.204	6.204	330.148	0.055	
	1032	2	9	4.252	6.252	338.148	0.076	
	1033	2	9	4.288	6.288	346.148	0.098	
Taper	1034	2	9	4.324	6.324	353.898	0.119	
	FS 4	2	9	4.372	6.372	361.648	0.140	
FS 4	1036	2	9	4.408	6.408	371.150	0.166	
	1037	2	9	4.468	6.468	383.650	0.200	
	1038	2	9	4.528	6.528	396.150	0.234	
	1039	2	9	4.600	6.600	409.393	0.270	
	1040	2	9	4.636	6.636	421.150	0.303	
	Span 4, FS 5	1041	2	9	4.636	6.636	429.398	0.325
		1042	2	9	4.588	6.588	445.706	0.369
		1043	2	9	4.504	6.504	457.687	0.402
		1044	2	9	4.384	6.384	469.667	0.435
		1045	2	9	4.252	6.252	481.647	0.467
1046		2	9	4.108	6.108	493.628	0.500	
1047		2	9	3.976	5.976	505.607	0.533	
1048		2	9	3.832	5.832	517.587	0.565	
1049		2	9	3.724	5.724	529.567	0.598	
Taper	1050	2	9	3.640	5.640	541.546	0.631	
FS 6 (back)	1051	2	9	3.592	5.592	557.831	0.675	
FS 6 (ahead)	1051	2.25	9	3.342	5.592	557.831	0.675	
	1052	2.25	9	3.342	5.592	566.081	0.697	
(back)	1053	2.25	9	3.878	6.128	577.831	0.730	
(ahead)	1053	2.75	9	3.378	6.128	577.831	0.730	
FS 6	1054	2.75	9	2.938	5.688	591.081	0.766	
	1055	2.75	9	2.998	5.748	603.581	0.800	
	1056	2.75	9	3.058	5.808	616.081	0.834	
	Pier 4, FS 7	1057	2.75	9	3.094	5.844	625.581	0.860
		1058	2.75	9	3.118	5.868	633.331	0.881



This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

	JOINT	Final Haunch					Fraction of Section
		Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)	Distance Along Girder (ft)	
	1059	2.75	9	3.154	5.904	641.081	0.902
	1060	2.75	9	3.178	5.928	649.081	0.924
	1061	2.75	9	3.214	5.964	657.081	0.945
	1062	2.75	9	3.238	5.988	665.081	0.967
CL Pier 4	1063	2.75	9	3.262	6.012	671.081	0.984
	1064	2.75	9	3.286	6.036	677.081	1.000
	1065	2.75	9	3.298	6.048	683.081	0.016
	1066	2.75	9	3.322	6.072	689.081	0.031
	1067	2.75	9	3.358	6.108	697.081	0.052
	1068	2.75	9	3.394	6.144	705.081	0.073
	1069	2.75	9	3.406	6.156	713.081	0.094
Taper FS 8	1070	2.75	9	3.454	6.204	720.831	0.115
	1071	2.75	9	3.478	6.228	728.581	0.135
	1072	2.75	9	3.526	6.276	738.081	0.160
	1073	2.75	9	3.586	6.336	750.581	0.192
	1074	2.75	9	3.658	6.408	763.081	0.225
	1075	2.75	9	3.754	6.504	776.331	0.260
	1076	2.25	9	4.314	6.564	788.081	0.291
Span 5, FS 9	1077	2.25	9	4.612	6.862	796.331	0.312
	1077	2.5	9	4.362	6.862	796.331	0.312
	1078	2.5	9	4.148	6.648	811.154	0.351
	1079	2.5	9	4.172	6.672	822.414	0.381
	1080	2.5	9	4.184	6.684	833.673	0.410
	1081	2.5	9	4.196	6.696	844.932	0.440
	1082	2.5	9	4.220	6.720	856.192	0.469
	1083	2.5	9	4.232	6.732	868.290	0.501
	1084	2.5	9	4.268	6.768	880.390	0.532
	1085	2.5	9	4.304	6.804	891.648	0.562
	1086	2.5	9	4.364	6.864	902.907	0.591
	1087	2.5	9	4.436	6.936	914.165	0.621
Taper FS 10	1088	2.5	9	4.520	7.020	925.423	0.650
	1089	2.75	9	2.398	5.148	939.682	0.688
	1090	2.75	9	2.458	5.208	947.932	0.709
(back)	1091	2.75	9	2.554	5.304	959.683	0.740
(ahead)	1091	2.5	9	2.804	5.304	959.683	0.740
	1092	2.5	9	2.936	5.436	972.932	0.775
	1093	2.5	9	3.044	5.544	985.432	0.808
	1094	2.5	9	3.152	5.652	997.932	0.840
(back)	1095	2.5	9	3.474	5.974	1007.434	0.865
Pier 5, FS 11, (ahd)	1095	2.75	9	3.224	5.974	1007.434	0.865
	1096	2.75	9	3.034	5.784	1015.182	0.885
	1097	2.75	9	3.094	5.844	1022.932	0.906
	1098	2.75	9	3.154	5.904	1030.932	0.927
	1099	2.75	9	3.202	5.952	1038.932	0.948
	1100	2.75	9	3.262	6.012	1046.932	0.969
CL Pier 5	1101	2.75	9	3.286	6.036	1052.932	0.984
	1102	2.75	9	3.334	6.084	1058.932	1.000
	1103	2.75	9	3.382	6.132	1064.932	0.016
	1104	2.75	9	3.406	6.156	1070.932	0.031
	1105	2.75	9	3.466	6.216	1078.932	0.052
	1106	2.75	9	3.502	6.252	1086.932	0.073
	1107	2.75	9	3.550	6.300	1094.932	0.094
Taper FS 12	1108	2.75	9	3.598	6.348	1102.682	0.115
	1109	2.75	9	3.646	6.396	1110.432	0.135
	1109	2.5	9	3.896	6.396	1110.432	0.135
	1110	2.5	9	3.956	6.456	1119.932	0.160
	1111	2.5	9	4.028	6.528	1132.432	0.193
	1112	2.5	9	4.100	6.600	1144.932	0.225
	1113	2.5	9	4.434	6.934	1158.182	0.260
	1113	2.75	9	4.184	6.934	1158.182	0.260
	1114	2.75	9	3.994	6.744	1169.932	0.291
Span 6, FS 13	1115	2.75	9	4.018	6.768	1178.182	0.313
	1115	2	9	4.768	6.768	1178.182	0.313
	1116	2	9	4.768	6.768	1192.952	0.351
	1117	2	9	4.744	6.744	1204.208	0.381
	1118	2	9	4.708	6.708	1215.463	0.410
	1119	2	9	4.648	6.648	1226.719	0.440
	1120	2	9	4.576	6.576	1237.974	0.469
	1121	2	9	4.504	6.504	1250.070	0.501
	1122	2	9	4.420	6.420	1262.165	0.533

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch					
	Top Flange	Slab	Final Haunch	Final Haunch	Distance	Fraction	
	Thickness	Thickness	at CL Girder	at CL Girder	Along Girder	of Section	
	(in)	(in)	above flange	(Top of web to bottom of slab)	(ft)		
	JOINT	(in)	(in)	(in)	(ft)		
	1123	2	9	4.348	6.348	1273.421	0.562
	1124	2	9	4.288	6.288	1284.676	0.592
	1125	2	9	4.240	6.240	1295.932	0.621
Taper	1126	2	9	4.204	6.204	1307.188	0.651
FS 14	1127	2	9	4.180	6.180	1321.134	0.687
	1128	2	9	4.192	6.192	1329.389	0.709
	1129	2.5	9	4.216	6.716	1341.134	0.740
	1130	2.5	9	3.752	6.252	1354.389	0.775
	1131	2.5	9	3.776	6.276	1366.889	0.807
	1132	2.5	9	3.812	6.312	1379.400	0.840
Pier 6, FS 15	1133	2.5	9	3.824	6.324	1388.900	0.865
	1134	2.25	9	4.098	6.348	1396.650	0.885
	1135	2.25	9	4.110	6.360	1404.398	0.906
	1136	2.25	9	4.122	6.372	1412.398	0.927
	1137	2.25	9	4.134	6.384	1420.398	0.948
	1138	2.25	9	4.134	6.384	1428.398	0.969
	1139	2.25	9	4.158	6.408	1434.398	0.984
CL Pier 6	1140	2.25	9	4.158	6.408	1440.398	1.000
	1141	2.25	9	4.170	6.420	1446.398	0.017
	1142	2.25	9	4.182	6.432	1452.398	0.034
	1143	2.25	9	4.206	6.456	1460.398	0.057
	1144	2.25	9	4.218	6.468	1468.398	0.080
	1145	2.25	9	4.230	6.480	1476.398	0.103
Taper	1146	2.25	9	4.254	6.504	1484.148	0.125
FS 16	1147	2.5	9	4.278	6.778	1491.898	0.147
	1148	2.5	9	4.040	6.540	1501.398	0.174
	1149	2.5	9	4.064	6.564	1513.898	0.210
	1150	2.5	9	4.100	6.600	1526.398	0.246
(back)	1151	2.5	9	4.136	6.636	1539.648	0.284
(ahead)	1151	2	9	4.636	6.636	1539.648	0.284
	1152	2	9	4.648	6.648	1551.398	0.317
Span 7, FS 17, (bk)	1153	2	9	4.648	6.648	1559.648	0.341
(ahead)	1153	1.75	9	4.898	6.648	1559.648	0.341
	1154	1.75	9	4.838	6.588	1573.398	0.380
	1155	1.75	9	4.778	6.528	1584.398	0.411
	1156	1.75	9	4.694	6.444	1595.398	0.443
	1157	1.75	9	4.622	6.372	1605.416	0.471
	1158	1.75	9	4.538	6.288	1615.433	0.500
	1159	1.75	9	4.466	6.216	1625.451	0.529
	1160	1.75	9	4.406	6.156	1635.468	0.557
	1161	1.75	9	4.358	6.108	1646.468	0.589
Taper	1162	1.75	9	4.322	6.072	1657.468	0.620
(back)	1163	1.75	9	4.572	6.322	1671.218	0.659
FS 18, (ahd)	1163	2	9	4.322	6.322	1671.218	0.659
	1164	2	9	4.096	6.096	1679.468	0.683
(back)	1165	2	9	4.394	6.394	1691.218	0.716
(ahead)	1165	2.25	9	4.144	6.394	1691.218	0.716
	1166	2.25	9	3.966	6.216	1704.468	0.754
	1167	2.25	9	4.014	6.264	1716.968	0.790
	1168	2.25	9	4.074	6.324	1729.468	0.826
Pier 7, FS 19	1169	2.25	9	4.110	6.360	1738.968	0.853
	1170	2.25	9	4.122	6.372	1746.718	0.875
	1171	2.25	9	4.158	6.408	1754.468	0.897
	1172	2.25	9	4.170	6.420	1762.468	0.920
	1173	2.25	9	4.194	6.444	1770.468	0.943
	1174	2.25	9	4.218	6.468	1778.468	0.966
	1175	2.25	9	4.230	6.480	1784.468	0.983
CL Pier 7	1176	2.25	9	4.242	6.492	1790.468	1.000
	1177	2.25	9	4.266	6.516	1796.468	0.017
	1178	2.25	9	4.278	6.528	1802.468	0.034
	1179	2.25	9	4.229	6.479	1810.468	0.057
	1180	2.25	9	4.303	6.553	1818.468	0.080
	1181	2.25	9	4.269	6.519	1826.468	0.103
Taper	1182	2.25	9	4.298	6.548	1834.218	0.125
FS 20	1183	2.25	9	4.338	6.588	1841.968	0.147
	1184	2.25	9	4.399	6.649	1851.468	0.174
	1185	2.25	9	4.377	6.627	1863.968	0.210
	1186	2.25	9	4.385	6.635	1876.468	0.245
slab transition, begin		2.25	9	4.386	6.636		0.250
(back)	1187	2.25	9.667	3.734	5.984	1889.718	0.283

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

	Final Haunch						
	JOINT	Top Flange	Slab	Final Haunch	Final Haunch	Distance	Fraction
		Thickness	Thickness	at CL Girder	at CL Girder		
	(in)	(in)	above flange	(Top of web to bottom of slab)	Along Girder	of Section	
(ahead)	1187	2	9.667	3.984	5.984	1889.718	0.283
slab transition, end		2	10	3.564	5.564		0.300
	1188	2	10	3.579	5.579	1901.468	0.317
Span 8, FS 21	1189	2.25	10	3.600	5.850	1909.718	0.340
	1190	2.25	10	3.285	5.535	1923.468	0.380
	1191	2.25	10	3.172	5.422	1934.468	0.411
	1192	2.25	10	3.052	5.302	1945.468	0.442
	1193	2.25	10	2.945	5.195	1955.581	0.471
	1194	2.25	10	2.897	5.147	1965.693	0.500
	1195	2.25	10	2.856	5.106	1975.806	0.529
	1196	2.25	10	2.748	4.998	1985.918	0.558
	1197	2.25	10	2.673	4.923	1996.918	0.589
Taper	1198	2.25	10	2.670	4.920	2007.918	0.620
FS 22	1199	2.25	10	2.693	4.943	2021.668	0.660
	1200	2.25	10	2.633	4.883	2029.918	0.683
(back)	1201	2.25	10	2.969	5.219	2041.668	0.717
(ahead)	1201	2.5	10	2.719	5.219	2041.668	0.717
	1202	2.5	10	2.781	5.281	2054.918	0.755
	1203	2.5	10	2.667	5.167	2067.418	0.790
	1204	2.5	10	2.433	4.933	2079.918	0.826
Pier 8, FS 23	1205	2.5	10	2.355	4.855	2089.418	0.853
	1206	2.5	10	2.448	4.948	2097.168	0.875
	1207	2.5	10	2.438	4.938	2104.918	0.897
	1208	2.5	10	2.454	4.954	2112.918	0.920
	1209	2.5	10	2.578	5.078	2120.918	0.943
	1210	2.5	10	2.686	5.186	2128.918	0.966
	1211	2.5	10	2.761	5.261	2134.918	0.983
CL Pier 8	1212	2.5	10	2.836	5.336	2140.918	1.000
	1213	2.5	10	2.814	5.314	2146.918	0.017
	1214	2.5	10	2.894	5.394	2152.918	0.034
	1215	2.5	10	3.121	5.621	2160.918	0.057
	1216	2.5	10	3.122	5.622	2168.918	0.080
	1217	2.5	10	3.124	5.624	2176.918	0.103
Taper	1218	2.5	10	3.147	5.647	2184.668	0.125
FS 24	1219	2.5	10	3.218	5.718	2192.418	0.147
	1220	2.5	10	3.176	5.676	2201.917	0.174
	1221	2.5	10	3.103	5.603	2214.417	0.210
	1222	2.5	10	2.836	5.336	2226.917	0.246
(back)	1223	2.5	10	2.353	4.853	2240.167	0.283
(ahead)	1223	2.25	10	2.603	4.853	2240.167	0.283
	1224	2.25	10	2.968	5.218	2251.917	0.317
Span 9, FS 25	1225	2.75	10	3.095	5.845	2260.167	0.340
	1226	2.75	10	2.678	5.428	2276.584	0.387
	1227	2.75	10	2.633	5.383	2288.919	0.423
	1228	2.75	10	2.496	5.246	2301.252	0.458
	1229	2.75	10	2.378	5.128	2313.587	0.493
	1230	2.75	10	2.250	5.000	2325.919	0.528
	1231	2.75	10	2.226	4.976	2338.253	0.563
	1232	2.75	10	2.226	4.976	2350.582	0.599
Taper	1233	2.75	10	2.226	4.976	2360.460	0.627
FS 26	1234	2.75	10	2.250	5.000	2371.940	0.660
	1235	2.25	10	2.762	5.012	2375.083	0.669
	1236	2.25	10	2.786	5.036	2382.229	0.689
(back)	1237	2.25	10	2.810	5.060	2391.940	0.717
(ahead)	1237	3	10	2.060	5.060	2391.940	0.717
	1238	3	10	2.072	5.072	2396.718	0.730
	1239	3	10	2.084	5.084	2407.430	0.761
	1240	3	10	2.084	5.084	2418.355	0.792
	1241	3	10	2.096	5.096	2430.190	0.826
Pier 9, FS 27	1242	3	10	2.108	5.108	2439.690	0.853
	1243	3	10	2.108	5.108	2442.855	0.862
	1244	3	10	2.108	5.108	2452.071	0.888
	1245	3	10	2.096	5.096	2462.480	0.918
	1246	3	10	2.096	5.096	2472.230	0.946
	1247	3	10	2.084	5.084	2482.105	0.974
CL Pier 9	1248	3	10	2.072	5.072	2491.190	1.000
	1249	3	10	2.060	5.060	2501.730	0.030
	1250	3	10	2.036	5.036	2512.065	0.058
	1251	3	10	2.024	5.024	2521.355	0.084
Taper	1252	3	10	2.000	5.000	2531.486	0.113

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

	JOINT	Final Haunch					Fraction of Section	
		Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)	Distance Along Girder (ft)		
FS 28	1253	3	10	1.976	4.976	2542.690	0.144	
	1254	3	10	1.964	4.964	2545.855	0.153	
	1255	3	10	1.964	4.964	2552.190	0.171	
	1256	3	10	1.952	4.952	2560.247	0.193	
	1257	3	10	1.928	4.928	2567.480	0.214	
	1258	3	10	1.916	4.916	2577.826	0.243	
	1259	3	10	2.642	5.642	2590.440	0.278	
(back)	1259	2.25	10	3.392	5.642	2590.440	0.278	
(ahead)	1260	2.25	10	2.630	4.880	2600.988	0.307	
Span 10, FS 29	1261	2.25	10	2.606	4.856	2610.440	0.334	
	1262	2.25	10	2.594	4.844	2613.605	0.343	
	1263	2.25	10	2.546	4.796	2624.717	0.374	
	1264	2.25	10	2.498	4.748	2636.658	0.407	
	1265	2.25	10	2.426	4.676	2648.228	0.440	
	1266	2.25	10	2.366	4.616	2659.712	0.472	
	1267	2.25	10	2.306	4.556	2671.395	0.504	
	1268	2.25	10	2.270	4.520	2682.762	0.536	
	1269	2.25	10	2.210	4.460	2695.815	0.573	
	1270	2.25	10	2.198	4.448	2707.262	0.605	
	Taper	1271	2.25	10	2.198	4.448	2716.427	0.631
(back)	1272	2.25	10	2.210	4.460	2727.583	0.662	
FS 30, (ahead)	1272	2.5	10	1.960	4.460	2727.583	0.662	
	1273	2.5	10	1.960	4.460	2731.762	0.673	
	1274	2.5	10	1.996	4.496	2739.713	0.696	
(back)	1275	2.5	10	2.520	5.020	2747.583	0.718	
(ahead)	1275	3	10	2.020	5.020	2747.583	0.718	
	1276	3	10	1.556	4.556	2751.757	0.729	
	1277	3	10	1.604	4.604	2763.506	0.762	
	1278	3	10	1.688	4.688	2776.257	0.798	
	1279	3	10	1.736	4.736	2785.833	0.825	
Pier 10, FS 31	1280	3	10	1.808	4.808	2795.333	0.851	
slab transition, begin	1281	3	10	1.832	4.832	2800.757	0.867	
slab transition, end	1281	3	9	2.832	5.832	2800.757	0.867	
	1282	3	9	2.904	5.904	2813.112	0.901	
	1283	3	9	2.988	5.988	2825.257	0.935	
	1284	3	9	3.060	6.060	2837.662	0.970	
CL Pier 10	1285	3	9	3.108	6.108	2848.421	1.000	
	1286	3	9	3.168	6.168	2859.606	0.037	
	1287	3	9	3.228	6.228	2870.016	0.071	
	1288	3	9	3.276	6.276	2883.109	0.114	
	Taper	1289	3	9	3.324	6.324	2894.333	0.151
FS 32	1290	3	9	3.336	6.336	2898.333	0.164	
	1291	3	9	3.384	6.384	2907.833	0.195	
	1292	3	9	3.396	6.396	2915.232	0.220	
	1293	3	9	3.456	6.456	2927.867	0.261	
	1294	3	9	3.480	6.480	2939.033	0.298	
	1295	3	9	3.516	6.516	2946.083	0.321	
	1296	2.5	9	4.028	6.528	2953.244	0.345	
	1297	2.5	9	4.052	6.552	2962.033	0.374	
	Span 11, FS 33	1298	3	9	4.052	7.052	2966.083	0.387
		1299	3	9	3.576	6.576	2974.550	0.415
		1300	3	9	3.600	6.600	2986.533	0.454
1301		3	9	3.600	6.600	2999.699	0.497	
1302		3	9	3.612	6.612	3011.033	0.535	
1303		3	9	3.600	6.600	3024.494	0.579	
1304		3	9	3.600	6.600	3035.533	0.615	
1305		3	9	3.576	6.576	3048.604	0.658	
1306		3	9	3.540	6.540	3060.033	0.696	
FS 34 (node)		1307	3	9	3.492	6.492	3071.893	0.735
FS 34		FS	3	9	3.482	6.482	3074.577	0.744
	1308	3	9	3.444	6.444	3084.533	0.776	
	1309	3	9	3.384	6.384	3096.698	0.816	
	1310	3	9	3.300	6.300	3109.034	0.857	
	1311	3	9	3.228	6.228	3121.843	0.899	
	1312	3	9	3.144	6.144	3134.627	0.941	
	1313	3	9	3.000	6.000	3152.577	1.000	

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch		Distance Along Girder (ft)	Fraction of Section
			Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)		
<u>Girder 2</u>						
Span 3	3000	2.25	9	3.750	6.000	0.000
	3001	2.25	9	3.594	5.844	14.921
	3002	2.25	9	3.486	5.736	25.309
	3003	2.25	9	3.378	5.628	37.477
	3004	2.25	9	3.282	5.532	49.644
	3005	2.25	9	3.186	5.436	61.812
	3006	2.25	9	3.102	5.352	73.979
FS 1	FS	2.25	9	3.049	5.299	83.000
FS 1 (node)	3007	2.25	9	3.030	5.280	86.147
	3008	2.25	9	2.970	5.220	98.314
	3009	2.25	9	2.922	5.172	110.481
	3010	2.25	9	2.886	5.136	122.648
	3011	2.25	9	2.862	5.112	134.815
	3012	2.25	9	2.862	5.112	146.981
	3013	2.25	9	2.886	5.136	159.148
Taper	3014	2.25	9	2.922	5.172	171.314
FS 2	3015	2.25	9	3.006	5.256	187.769
	3016	2	9	3.316	5.316	196.019
	3017	2	9	3.412	5.412	207.769
	3018	2	9	3.496	5.496	221.019
	3019	2	9	3.580	5.580	233.519
	3020	2	9	3.664	5.664	246.019
Pier 3, FS 3	3021	2	9	3.724	5.724	255.519
	3022	2	9	3.772	5.772	263.269
	3023	2	9	3.820	5.820	271.019
	3024	2	9	3.868	5.868	279.019
	3025	2	9	3.916	5.916	287.019
	3026	2	9	3.964	5.964	295.019
	3027	2	9	4.000	6.000	301.019
CL Pier 3	3028	2	9	4.024	6.024	307.019
	3029	2	9	4.072	6.072	313.019
	3030	2	9	4.096	6.096	319.019
	3031	2	9	4.144	6.144	327.019
	3032	2	9	4.180	6.180	335.019
	3033	2	9	4.228	6.228	343.019
Taper	3034	2	9	4.276	6.276	350.769
FS 4	3035	2	9	4.312	6.312	358.519
	3036	2	9	4.372	6.372	368.019
	3037	2	9	4.444	6.444	380.519
	3038	2	9	4.528	6.528	393.019
	3039	2	9	4.612	6.612	406.269
	3040	2	9	4.672	6.672	418.019
Span 4, FS 5	3041	2	9	4.696	6.696	426.269
	3042	2	9	4.672	6.672	442.284
	3043	2	9	4.600	6.600	454.238
	3044	2	9	4.504	6.504	466.193
	3045	2	9	4.384	6.384	478.147
	3046	2	9	4.252	6.252	490.101
	3047	2	9	4.108	6.108	502.055
	3048	2	9	3.964	5.964	514.009
	3049	2	9	3.844	5.844	525.963
Taper (back)	3050	2	9	3.748	5.748	537.916
	3051	2	9	3.676	5.676	553.912
FS 6, (ahd)	3051	2.25	9	3.426	5.676	553.912
	3052	2.25	9	3.414	5.664	562.162
(back)	3053	2.25	9	3.926	6.176	573.912
(ahd)	3053	2.75	9	3.426	6.176	573.912
	3054	2.75	9	2.974	5.724	587.162
	3055	2.75	9	3.010	5.760	599.662
	3056	2.75	9	3.046	5.796	612.162
Pier 4, FS 7	3057	2.75	9	3.082	5.832	621.662
	3058	2.75	9	3.106	5.856	629.412
	3059	2.75	9	3.130	5.880	637.162
	3060	2.75	9	3.154	5.904	645.162
	3061	2.75	9	3.190	5.940	653.162
	3062	2.75	9	3.202	5.952	661.162
	3063	2.75	9	3.226	5.976	667.162
CL Pier 4	3064	2.75	9	3.238	5.988	673.162

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch					
	Top Flange	Slab	Final Haunch	Final Haunch	Distance	Fraction	
	Thickness	Thickness	at CL Girder	at CL Girder	Along Girder	of Section	
	(in)	(in)	above flange	(Top of web to bottom of slab)	(ft)		
	JOINT	(in)	(in)	(in)	(ft)		
	3065	2.75	9	3.262	6.012	679.162	0.016
	3066	2.75	9	3.286	6.036	685.162	0.031
	3067	2.75	9	3.310	6.060	693.162	0.052
	3068	2.75	9	3.346	6.096	701.162	0.073
	3069	2.75	9	3.370	6.120	709.162	0.094
Taper	3070	2.75	9	3.418	6.168	716.912	0.115
FS 8	3071	2.75	9	3.442	6.192	724.662	0.135
	3072	2.75	9	3.490	6.240	734.162	0.160
	3073	2.75	9	3.562	6.312	746.662	0.193
	3074	2.75	9	3.646	6.396	759.162	0.226
	3075	2.75	9	3.730	6.480	772.412	0.260
	3076	2.25	9	4.314	6.564	784.162	0.291
(back)	3077	2.25	9	4.612	6.862	792.412	0.313
Span 5, FS 9, (ahd)	3077	2.5	9	4.362	6.862	792.412	0.313
	3078	2.5	9	4.160	6.660	806.954	0.351
	3079	2.5	9	4.184	6.684	818.190	0.381
	3080	2.5	9	4.184	6.684	829.426	0.410
	3081	2.5	9	4.196	6.696	840.662	0.440
	3082	2.5	9	4.196	6.696	851.898	0.469
	3083	2.5	9	4.196	6.696	863.972	0.501
	3084	2.5	9	4.196	6.696	876.046	0.532
	3085	2.5	9	4.208	6.708	887.281	0.562
	3086	2.5	9	4.232	6.732	898.517	0.591
	3087	2.5	9	4.268	6.768	909.752	0.621
Taper	3088	2.5	9	4.316	6.816	920.987	0.650
FS 10	3089	2.75	9	2.566	5.316	934.977	0.687
	3090	2.75	9	2.590	5.340	943.226	0.709
(back)	3091	2.75	9	2.662	5.412	954.978	0.740
(ahead)	3091	2.5	9	2.912	5.412	954.978	0.740
	3092	2.5	9	2.996	5.496	968.226	0.774
	3093	2.5	9	3.080	5.580	980.726	0.807
	3094	2.5	9	3.176	5.676	993.226	0.840
(back)	3095	2.5	9	3.486	5.986	1002.728	0.865
Pier 5, FS 11, (ahd)	3095	2.75	9	3.236	5.986	1002.728	0.865
	3096	2.75	9	3.034	5.784	1010.476	0.885
	3097	2.75	9	3.082	5.832	1018.226	0.906
	3098	2.75	9	3.130	5.880	1026.226	0.927
	3099	2.75	9	3.178	5.928	1034.226	0.948
	3100	2.75	9	3.226	5.976	1042.226	0.969
	3101	2.75	9	3.262	6.012	1048.226	0.984
CL Pier 5	3102	2.75	9	3.298	6.048	1054.226	1.000
	3103	2.75	9	3.322	6.072	1060.226	0.016
	3104	2.75	9	3.358	6.108	1066.226	0.032
	3105	2.75	9	3.406	6.156	1074.226	0.053
	3106	2.75	9	3.442	6.192	1082.226	0.074
	3107	2.75	9	3.478	6.228	1090.226	0.095
Taper	3108	2.75	9	3.526	6.276	1097.976	0.115
FS 12, (back)	3109	2.75	9	3.574	6.324	1105.726	0.135
(ahead)	3109	2.5	9	3.824	6.324	1105.726	0.135
	3110	2.5	9	3.884	6.384	1115.226	0.160
	3111	2.5	9	3.956	6.456	1127.726	0.193
	3112	2.5	9	4.040	6.540	1140.226	0.226
(back)	3113	2.5	9	4.374	6.874	1153.476	0.261
(ahead)	3113	2.75	9	4.124	6.874	1153.476	0.261
	3114	2.75	9	3.958	6.708	1165.226	0.291
Span 6, FS 13, (bk)	3115	2.75	9	3.994	6.744	1173.476	0.313
(ahead)	3115	2	9	4.744	6.744	1173.476	0.313
	3116	2	9	4.768	6.768	1187.981	0.351
	3117	2	9	4.768	6.768	1199.214	0.381
	3118	2	9	4.720	6.720	1210.448	0.410
	3119	2	9	4.684	6.684	1221.681	0.440
	3120	2	9	4.612	6.612	1232.914	0.469
	3121	2	9	4.540	6.540	1244.986	0.501
	3122	2	9	4.456	6.456	1257.058	0.533
	3123	2	9	4.396	6.396	1268.291	0.562
	3124	2	9	4.312	6.312	1279.524	0.592
	3125	2	9	4.252	6.252	1290.758	0.621
Taper	3126	2	9	4.216	6.216	1301.991	0.651
FS 14	3127	2	9	4.180	6.180	1315.798	0.687
	3128	2	9	4.168	6.168	1324.051	0.709

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch					
	Top Flange	Slab	Final Haunch	Final Haunch	Distance	Fraction	
	Thickness	Thickness	at CL Girder	at CL Girder	Along Girder	of Section	
	(in)	(in)	above flange	(Top of web to bottom of slab)	(ft)		
	JOINT	(in)	(in)	(in)	(ft)		
	3129	2.5	9	4.192	6.692	1335.798	0.739
	3130	2.5	9	3.728	6.228	1349.052	0.774
	3131	2.5	9	3.764	6.264	1361.551	0.807
	3132	2.5	9	3.788	6.288	1373.232	0.838
Pier 6, FS 15	3133	2.5	9	3.812	6.312	1383.532	0.865
	3134	2.25	9	4.074	6.324	1391.282	0.885
	3135	2.25	9	4.086	6.336	1399.057	0.905
	3136	2.25	9	4.086	6.336	1407.057	0.926
	3137	2.25	9	4.098	6.348	1415.057	0.947
	3138	2.25	9	4.122	6.372	1423.057	0.968
	3139	2.25	9	4.122	6.372	1429.057	0.984
CL Pier 6	3140	2.25	9	4.134	6.384	1435.057	1.000
	3141	2.25	9	4.146	6.396	1441.057	0.017
	3142	2.25	9	4.146	6.396	1447.057	0.034
	3143	2.25	9	4.170	6.420	1455.057	0.057
	3144	2.25	9	4.170	6.420	1463.057	0.080
	3145	2.25	9	4.194	6.444	1471.057	0.103
Taper FS 16	3146	2.25	9	4.206	6.456	1478.807	0.125
	3147	2.5	9	4.218	6.718	1486.557	0.147
	3148	2.5	9	4.004	6.504	1496.057	0.174
	3149	2.5	9	4.028	6.528	1508.557	0.210
	3150	2.5	9	4.064	6.564	1521.057	0.246
(back)	3151	2.5	9	4.112	6.612	1534.307	0.284
(ahead)	3151	2	9	4.612	6.612	1534.307	0.284
	3152	2	9	4.648	6.648	1546.057	0.317
Span 7, FS 17, (bk)	3153	2	9	4.648	6.648	1554.307	0.341
(ahead)	3153	1.75	9	4.898	6.648	1554.307	0.341
	3154	1.75	9	4.862	6.612	1568.053	0.380
	3155	1.75	9	4.814	6.564	1579.053	0.411
	3156	1.75	9	4.730	6.480	1590.052	0.443
	3157	1.75	9	4.658	6.408	1600.065	0.471
	3158	1.75	9	4.562	6.312	1610.078	0.500
	3159	1.75	9	4.490	6.240	1620.091	0.529
	3160	1.75	9	4.418	6.168	1630.104	0.557
	3161	1.75	9	4.346	6.096	1641.103	0.589
Taper (back)	3162	1.75	9	4.298	6.048	1652.103	0.620
FS 18, (ahd)	3163	1.75	9	4.536	6.286	1665.849	0.659
	3163	2	9	4.286	6.286	1665.849	0.659
	3164	2	9	4.036	6.036	1674.099	0.683
(back)	3165	2	9	4.322	6.322	1685.849	0.716
(ahead)	3165	2.25	9	4.072	6.322	1685.849	0.716
	3166	2.25	9	3.894	6.144	1699.099	0.754
	3167	2.25	9	3.930	6.180	1711.599	0.790
	3168	2.25	9	3.990	6.240	1724.099	0.826
Pier 7, FS 19	3169	2.25	9	4.026	6.276	1733.599	0.853
	3170	2.25	9	4.050	6.300	1741.349	0.875
	3171	2.25	9	4.074	6.324	1749.099	0.897
	3172	2.25	9	4.098	6.348	1757.099	0.920
	3173	2.25	9	4.122	6.372	1765.099	0.943
	3174	2.25	9	4.146	6.396	1773.099	0.966
	3175	2.25	9	4.158	6.408	1779.099	0.983
CL Pier 7	3176	2.25	9	4.158	6.408	1785.099	1.000
	3177	2.25	9	4.182	6.432	1791.099	0.017
	3178	2.25	9	4.182	6.432	1797.099	0.034
	3179	2.25	9	4.240	6.490	1805.099	0.057
	3180	2.25	9	4.227	6.477	1813.099	0.080
	3181	2.25	9	4.214	6.464	1821.099	0.103
Taper FS 20	3182	2.25	9	4.246	6.496	1828.849	0.125
	3183	2.25	9	4.309	6.559	1836.599	0.147
	3184	2.25	9	4.285	6.535	1846.099	0.174
	3185	2.25	9	4.264	6.514	1858.599	0.210
	3186	2.25	9	4.333	6.583	1871.099	0.246
slab transition, begin		2.25	9	4.342	6.592		0.250
	3187	2.25	9.667	3.697	5.947	1884.349	0.283
(ahead)	3187	2	9.667	3.947	5.947	1884.349	0.283
slab transition, end		2	10	3.625	5.625		0.300
	3188	2	10	3.583	5.583	1896.099	0.317
Span 8, FS 21	3189	2.25	10	3.526	5.776	1904.349	0.340
	3190	2.25	10	3.283	5.533	1918.095	0.380
	3191	2.25	10	3.176	5.426	1929.095	0.411

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch					
	Top Flange	Slab	Final Haunch	Final Haunch	Distance	Fraction	
	Thickness	Thickness	at CL Girder	at CL Girder	Along Girder	of Section	
	(in)	(in)	above flange	(Top of web to bottom of slab)	(ft)		
	JOINT	(in)	(in)	(in)	(ft)		
	3192	2.25	10	3.105	5.355	1940.094	0.442
	3193	2.25	10	3.033	5.283	1950.166	0.471
	3194	2.25	10	2.948	5.198	1960.237	0.500
	3195	2.25	10	2.891	5.141	1970.308	0.529
	3196	2.25	10	2.764	5.014	1980.380	0.558
	3197	2.25	10	2.721	4.971	1991.379	0.589
Taper	3198	2.25	10	2.655	4.905	2002.379	0.620
FS 22	3199	2.25	10	2.678	4.928	2016.125	0.660
	3200	2.25	10	2.651	4.901	2024.375	0.683
(back)	3201	2.25	10	3.020	5.270	2036.125	0.717
(ahead)	3201	2.5	10	2.770	5.270	2036.125	0.717
	3202	2.5	10	2.779	5.279	2049.375	0.754
	3203	2.5	10	2.552	5.052	2061.875	0.790
	3204	2.5	10	2.353	4.853	2074.375	0.826
Pier 8, FS 23	3205	2.5	10	2.206	4.706	2083.875	0.853
	3206	2.5	10	2.188	4.688	2091.625	0.875
	3207	2.5	10	2.258	4.758	2099.375	0.897
	3208	2.5	10	2.392	4.892	2107.375	0.920
	3209	2.5	10	2.459	4.959	2115.375	0.943
	3210	2.5	10	2.514	5.014	2123.375	0.966
	3211	2.5	10	2.543	5.043	2129.375	0.983
CL Pier 8	3212	2.5	10	2.584	5.084	2135.375	1.000
	3213	2.5	10	2.678	5.178	2141.375	0.018
	3214	2.5	10	2.752	5.252	2147.375	0.035
	3215	2.5	10	2.762	5.262	2155.375	0.058
	3216	2.5	10	2.861	5.361	2163.375	0.082
	3217	2.5	10	2.889	5.389	2171.375	0.105
Taper	3218	2.5	10	2.919	5.419	2179.125	0.128
FS 24	3219	2.5	10	2.980	5.480	2186.875	0.150
	3220	2.5	10	2.950	5.450	2196.372	0.178
	3221	2.5	10	2.913	5.413	2208.872	0.215
	3222	2.5	10	2.809	5.309	2221.372	0.251
(back)	3223	2.5	10	2.639	5.139	2234.622	0.290
(ahead)	3223	2.25	10	2.889	5.139	2234.622	0.290
	3224	2.25	10	3.076	5.326	2246.372	0.324
Span 9, FS 25	3225	2.75	10	3.150	5.900	2254.622	0.348
	3226	2.75	10	3.235	5.985	2270.555	0.395
	3227	2.75	10	2.680	5.430	2282.651	0.430
	3228	2.75	10	2.617	5.367	2294.746	0.465
	3229	2.75	10	2.444	5.194	2306.842	0.500
	3230	2.75	10	2.334	5.084	2318.936	0.536
	3231	2.75	10	2.310	5.060	2331.196	0.572
	3232	2.75	10	2.286	5.036	2343.457	0.607
	3233	2.75	10	2.286	5.036	2351.296	0.630
Taper, FS 26	3234	2.75	10	2.286	5.036	2358.746	0.652
	3235	2.25	10	2.798	5.048	2367.617	0.678
	3236	2.25	10	2.810	5.060	2373.478	0.695
(back)	3237	2.25	10	3.572	5.822	2378.746	0.710
(ahead)	3237	3	10	2.822	5.822	2378.746	0.710
	3238	3	10	2.096	5.096	2388.646	0.739
	3239	3	10	2.120	5.120	2398.920	0.769
	3240	3	10	2.132	5.132	2409.674	0.801
	3241	3	10	2.144	5.144	2416.995	0.822
Pier 9, FS 27	3242	3	10	2.144	5.144	2426.495	0.850
	3243	3	10	2.144	5.144	2434.171	0.872
	3244	3	10	2.144	5.144	2443.689	0.900
	3245	3	10	2.144	5.144	2453.793	0.929
	3246	3	10	2.120	5.120	2463.737	0.958
	3247	3	10	2.108	5.108	2473.416	0.987
CL Pier 9		3	10	2.096	5.096	2477.996	1.000
	3248	3	10	2.084	5.084	2482.601	0.013
	3249	3	10	2.060	5.060	2493.038	0.043
	3250	3	10	2.024	5.024	2503.260	0.073
	3251	3	10	2.012	5.012	2512.661	0.100
	3252	3	10	1.976	4.976	2521.065	0.124
Taper, FS 28	3253	3	10	1.964	4.964	2529.495	0.149
	3254	3	10	1.940	4.940	2537.158	0.171
	3255	3	10	1.928	4.928	2540.417	0.180
	3256	3	10	1.916	4.916	2550.619	0.209
	3257	3	10	1.904	4.904	2558.780	0.233



This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch		Final Haunch at CL Girder		Distance	Fraction
	Top Flange	Slab	at CL Girder	at CL Girder	Along Girder	of Section	
	Thickness	Thickness	above flange	(Top of web to bottom of slab)			
JOINT	(in)	(in)	(in)	(in)	(ft)		
	3258	3	10	1.892	4.892	2568.641	0.261
	3259	3	10	2.630	5.630	2577.245	0.286
	3260	2.25	10	2.630	4.880	2580.403	0.295
	3261	2.25	10	2.630	4.880	2587.894	0.317
Span 10, FS 29	3262	2.25	10	2.618	4.868	2597.245	0.344
	3263	2.25	10	2.594	4.844	2604.901	0.366
	3264	2.25	10	2.546	4.796	2616.168	0.399
	3265	2.25	10	2.498	4.748	2627.953	0.433
	3266	2.25	10	2.438	4.688	2639.571	0.466
	3267	2.25	10	2.378	4.628	2651.005	0.499
	3268	2.25	10	2.306	4.556	2662.617	0.533
	3269	2.25	10	2.258	4.508	2674.054	0.566
	3270	2.25	10	2.222	4.472	2686.260	0.601
	3271	2.25	10	2.198	4.448	2698.347	0.636
(back)	3272	2.25	10	2.198	4.448	2705.279	0.656
Taper, FS 30, (ahd)	3272	2.5	10	1.948	4.448	2705.279	0.656
	3273	2.5	10	1.960	4.460	2714.724	0.683
	3274	2.5	10	1.984	4.484	2722.956	0.707
	3275	3	10	1.496	4.496	2725.279	0.713
	3276	3	10	1.532	4.532	2733.938	0.738
	3277	3	10	1.580	4.580	2742.634	0.763
	3278	3	10	1.640	4.640	2753.039	0.793
	3279	3	10	1.700	4.700	2762.649	0.821
	3280	3	10	1.724	4.724	2766.754	0.833
Pier 10, FS 31	3281	3	10	1.760	4.760	2773.032	0.851
	3282	3	10	1.832	4.832	2782.677	0.879
slab transition, begin	3283	3	10	1.880	4.880	2791.041	0.903
slab transition, end	3283	3	9	2.880	5.880	2791.041	0.903
	3284	3	9	2.964	5.964	2803.407	0.939
	3285	3	9	3.036	6.036	2815.327	0.973
CL Pier 10		3	9	3.093	6.093	2824.667	1.000
	3286	3	9	3.108	6.108	2827.165	0.008
	3287	3	9	3.168	6.168	2837.579	0.042
	3288	3	9	3.228	6.228	2848.878	0.079
	3289	3	9	3.276	6.276	2859.815	0.115
	3290	3	9	3.324	6.324	2868.176	0.142
Taper, FS 32	3291	3	9	3.348	6.348	2876.032	0.168
	3292	3	9	3.384	6.384	2883.916	0.194
	3293	3	9	3.408	6.408	2886.430	0.202
	3294	3	9	3.432	6.432	2894.842	0.230
	3295	3	9	3.468	6.468	2904.628	0.262
	3296	3	9	3.516	6.516	2915.504	0.297
	3297	3	9	4.040	7.040	2923.782	0.325
	3298	2.5	9	4.052	6.552	2928.092	0.339
	3299	2.5	9	4.076	6.576	2936.330	0.366
Span 11, FS 33	3300	3	9	4.100	7.100	2943.782	0.390
	3301	3	9	3.612	6.612	2950.885	0.413
	3302	3	9	3.636	6.636	2962.974	0.453
	3303	3	9	3.648	6.648	2975.163	0.493
	3304	3	9	3.648	6.648	2988.002	0.535
	3305	3	9	3.648	6.648	2999.440	0.572
	3306	3	9	3.624	6.624	3012.677	0.616
	3307	3	9	3.612	6.612	3023.717	0.652
	3308	3	9	3.564	6.564	3036.285	0.693
	3309	3	9	3.516	6.516	3047.992	0.731
FS 34	FS	3	9	3.473	6.473	3058.584	0.766
FS 34 (node)	3310	3	9	3.468	6.468	3059.860	0.770
	3311	3	9	3.408	6.408	3072.266	0.811
	3312	3	9	3.336	6.336	3084.376	0.850
	3313	3	9	3.252	6.252	3096.539	0.890
	3314	3	9	3.156	6.156	3109.244	0.932
	3315	3	9	3.060	6.060	3121.905	0.973
	3316	3	9	3.000	6.000	3130.084	1.000

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch		Distance Along Girder (ft)	Fraction of Section		
			Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)				
<u>Girder 3</u>								
Span 3	5000	2.25	9	3.750	6.000	0.000		
	5001	2.25	9	3.642	5.892	12.719	0.042	
	5002	2.25	9	3.546	5.796	22.610	0.074	
	5003	2.25	9	3.450	5.700	34.749	0.114	
	5004	2.25	9	3.366	5.616	46.889	0.154	
	5005	2.25	9	3.282	5.532	59.029	0.194	
FS 1	5006	2.25	9	3.198	5.448	71.169	0.234	
	FS	2.25	9	3.140	5.390	83.000	0.273	
FS 1 (node)	5007	2.25	9	3.138	5.388	83.308	0.274	
	5008	2.25	9	3.090	5.340	95.448	0.314	
	5009	2.25	9	3.042	5.292	107.587	0.354	
	5010	2.25	9	3.006	5.256	119.726	0.394	
	5011	2.25	9	2.982	5.232	131.865	0.434	
	5012	2.25	9	2.982	5.232	144.004	0.474	
	5013	2.25	9	2.982	5.232	156.143	0.514	
Taper	5014	2.25	9	3.006	5.256	168.282	0.554	
	FS 2	2.25	9	3.078	5.328	184.433	0.607	
FS 2	5016	2	9	3.376	5.376	192.684	0.634	
	5017	2	9	3.448	5.448	204.433	0.673	
	5018	2	9	3.520	5.520	217.692	0.717	
	5019	2	9	3.592	5.592	230.183	0.758	
	5020	2	9	3.652	5.652	242.683	0.799	
	Pier 3, FS 3	5021	2	9	3.724	5.724	252.183	0.830
		5022	2	9	3.760	5.760	259.934	0.856
5023		2	9	3.796	5.796	267.683	0.881	
5024		2	9	3.844	5.844	275.683	0.908	
5025		2	9	3.892	5.892	283.683	0.934	
5026		2	9	3.916	5.916	291.683	0.960	
CL Pier 3	5027	2	9	3.952	5.952	297.683	0.980	
	5028	2	9	3.988	5.988	303.683	1.000	
	5029	2	9	4.024	6.024	309.683	0.016	
	5030	2	9	4.048	6.048	315.683	0.033	
	5031	2	9	4.096	6.096	323.684	0.055	
	5032	2	9	4.156	6.156	331.684	0.077	
	5033	2	9	4.192	6.192	339.684	0.099	
Taper	5034	2	9	4.240	6.240	347.433	0.120	
	FS 4	2	9	4.300	6.300	355.183	0.141	
FS 4	5036	2	9	4.348	6.348	364.656	0.167	
	5037	2	9	4.432	6.432	377.184	0.201	
	5038	2	9	4.516	6.516	389.683	0.235	
	5039	2	9	4.600	6.600	402.934	0.272	
	5040	2	9	4.660	6.660	414.683	0.304	
	Span 4, FS 5	5041	2	9	4.684	6.684	422.933	0.326
		5042	2	9	4.672	6.672	438.651	0.369
5043		2	9	4.612	6.612	450.580	0.402	
5044		2	9	4.516	6.516	462.508	0.435	
5045		2	9	4.408	6.408	474.436	0.467	
5046		2	9	4.276	6.276	486.364	0.500	
FS 5	5047	2	9	4.144	6.144	498.292	0.533	
	5048	2	9	4.000	6.000	510.220	0.565	
	5049	2	9	3.880	5.880	522.148	0.598	
	Taper (back)	5050	2	9	3.784	5.784	534.076	0.631
		5051	2	9	3.712	5.712	549.784	0.674
	FS 6, (ahd)	5051	2.25	9	3.462	5.712	549.784	0.674
		5052	2.25	9	3.438	5.688	558.034	0.696
(back)	5053	2.25	9	3.950	6.200	569.783	0.728	
	(ahead)	5053	2.75	9	3.450	6.200	569.783	0.728
FS 6	5054	2.75	9	2.986	5.736	583.033	0.765	
	5055	2.75	9	3.022	5.772	595.533	0.799	
	5056	2.75	9	3.046	5.796	608.033	0.833	
	Pier 4, FS 7	5057	2.75	9	3.082	5.832	617.533	0.859
		5058	2.75	9	3.106	5.856	625.284	0.880
		5059	2.75	9	3.130	5.880	633.033	0.901
	FS 7	5060	2.75	9	3.142	5.892	641.033	0.923
5061		2.75	9	3.166	5.916	649.033	0.945	
5062		2.75	9	3.190	5.940	657.033	0.967	
5063		2.75	9	3.202	5.952	663.033	0.984	
CL Pier 4		5064	2.75	9	3.226	5.976	669.033	1.000

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

	Final Haunch					
	Top Flange	Slab	Final Haunch	Final Haunch	Distance	Fraction
	Thickness	Thickness	at CL Girder	at CL Girder	Along Girder	of Section
	(in)	(in)	above flange	(Top of web to bottom of slab)	(ft)	
JOINT	(in)	(in)	(in)	(in)	(ft)	
5065	2.75	9	3.250	6.000	675.033	0.016
5066	2.75	9	3.262	6.012	681.033	0.032
5067	2.75	9	3.286	6.036	689.033	0.053
5068	2.75	9	3.322	6.072	697.033	0.074
5069	2.75	9	3.358	6.108	705.033	0.095
Taper FS 8 5070	2.75	9	3.394	6.144	712.783	0.115
5071	2.75	9	3.430	6.180	720.533	0.135
5072	2.75	9	3.466	6.216	730.033	0.160
5073	2.75	9	3.538	6.288	742.533	0.193
5074	2.75	9	3.610	6.360	755.033	0.226
5075	2.75	9	3.694	6.444	768.283	0.261
5076	2.25	9	4.266	6.516	780.033	0.292
(back) 5077	2.25	9	4.552	6.802	788.283	0.314
Span 5, FS 9, (ahd) 5077	2.5	9	4.302	6.802	788.283	0.314
5078	2.5	9	4.100	6.600	802.546	0.351
5079	2.5	9	4.112	6.612	813.759	0.381
5080	2.5	9	4.100	6.600	824.972	0.410
5081	2.5	9	4.088	6.588	836.184	0.440
5082	2.5	9	4.088	6.588	847.397	0.469
5083	2.5	9	4.064	6.564	859.446	0.501
5084	2.5	9	4.040	6.540	871.495	0.532
5085	2.5	9	4.028	6.528	882.708	0.562
5086	2.5	9	4.028	6.528	893.920	0.591
5087	2.5	9	4.040	6.540	905.132	0.621
Taper FS 10 5088	2.5	9	4.064	6.564	916.345	0.650
5089	2.75	9	2.912	5.662	930.066	0.686
5090	2.75	9	2.686	5.436	938.314	0.708
(back) 5091	2.75	9	2.734	5.484	950.067	0.739
(ahead) 5091	2.5	9	2.984	5.484	950.067	0.739
5092	2.5	9	3.068	5.568	963.314	0.774
5093	2.5	9	3.140	5.640	975.814	0.807
5094	2.5	9	3.200	5.700	988.314	0.840
(back) 5095	2.5	9	3.510	6.010	997.816	0.865
Pier 5, FS 11, (ahd) 5095	2.75	9	3.260	6.010	997.816	0.865
5096	2.75	9	3.046	5.796	1005.564	0.885
5097	2.75	9	3.082	5.832	1013.314	0.905
5098	2.75	9	3.130	5.880	1021.314	0.926
5099	2.75	9	3.154	5.904	1029.314	0.947
5100	2.75	9	3.202	5.952	1037.314	0.968
CL Pier 5 5101	2.75	9	3.226	5.976	1043.314	0.984
5102	2.75	9	3.262	6.012	1049.314	1.000
5103	2.75	9	3.298	6.048	1055.314	0.016
5104	2.75	9	3.310	6.060	1061.314	0.032
5105	2.75	9	3.358	6.108	1069.315	0.053
5106	2.75	9	3.394	6.144	1077.314	0.074
5107	2.75	9	3.430	6.180	1085.314	0.095
Taper FS 12, (bk) 5108	2.75	9	3.478	6.228	1093.064	0.115
5109	2.75	9	3.526	6.276	1100.814	0.135
(ahead) 5109	2.5	9	3.776	6.276	1100.814	0.135
5110	2.5	9	3.824	6.324	1110.314	0.160
5111	2.5	9	3.896	6.396	1122.814	0.193
5112	2.5	9	3.980	6.480	1135.314	0.226
(back) 5113	2.5	9	4.314	6.814	1148.564	0.261
(ahead) 5113	2.75	9	4.064	6.814	1148.564	0.261
5114	2.75	9	3.886	6.636	1160.314	0.292
Span 6, FS 13, (bk) 5115	2.75	9	3.922	6.672	1168.564	0.314
(ahead) 5115	2	9	4.672	6.672	1168.564	0.314
5116	2	9	4.696	6.696	1182.804	0.351
5117	2	9	4.696	6.696	1194.015	0.381
5118	2	9	4.672	6.672	1205.227	0.410
5119	2	9	4.636	6.636	1216.438	0.440
5120	2	9	4.576	6.576	1227.649	0.469
5121	2	9	4.504	6.504	1239.696	0.501
5122	2	9	4.432	6.432	1251.744	0.532
5123	2	9	4.348	6.348	1262.955	0.562
5124	2	9	4.288	6.288	1274.166	0.591
5125	2	9	4.228	6.228	1285.377	0.621
Taper FS 14 5126	2	9	4.192	6.192	1296.588	0.650
5127	2	9	4.168	6.168	1310.256	0.686
5128	2	9	4.156	6.156	1318.508	0.708

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch					
	Top Flange	Slab	Final Haunch	Final Haunch	Distance	Fraction	
	Thickness	Thickness	at CL Girder	at CL Girder	Along Girder	of Section	
	(in)	(in)	above flange	(Top of web to bottom of slab)	(ft)		
	JOINT	(in)	(in)	(in)	(ft)		
	5129	2.5	9	4.180	6.680	1330.256	0.739
	5130	2.5	9	3.716	6.216	1343.508	0.774
	5131	2.5	9	3.740	6.240	1356.008	0.807
	5132	2.5	9	3.764	6.264	1368.509	0.840
Pier 6, FS 15	5133	2.5	9	3.788	6.288	1378.009	0.865
	5134	2.25	9	4.050	6.300	1385.759	0.885
	5135	2.25	9	4.062	6.312	1393.511	0.905
	5136	2.25	9	4.074	6.324	1401.511	0.926
	5137	2.25	9	4.074	6.324	1409.511	0.947
	5138	2.25	9	4.086	6.336	1417.511	0.968
	5139	2.25	9	4.098	6.348	1423.511	0.984
CL Pier 6	5140	2.25	9	4.110	6.360	1429.511	1.000
	5141	2.25	9	4.110	6.360	1435.511	0.017
	5142	2.25	9	4.134	6.384	1441.511	0.034
	5143	2.25	9	4.146	6.396	1449.511	0.057
	5144	2.25	9	4.158	6.408	1457.511	0.080
	5145	2.25	9	4.182	6.432	1465.511	0.103
Taper FS 16	5146	2.25	9	4.194	6.444	1473.261	0.125
	5147	2.5	9	4.218	6.718	1481.011	0.147
	5148	2.5	9	3.992	6.492	1490.511	0.174
	5149	2.5	9	4.028	6.528	1503.011	0.210
	5150	2.5	9	4.076	6.576	1515.511	0.246
(back)	5151	2.5	9	4.136	6.636	1528.761	0.284
(ahead)	5151	2	9	4.636	6.636	1528.761	0.284
	5152	2	9	4.648	6.648	1540.511	0.317
Span 7, FS 17, (bk)	5153	2	9	4.660	6.660	1548.761	0.341
(ahead)	5153	1.75	9	4.910	6.660	1548.761	0.341
	5154	1.75	9	4.874	6.624	1562.505	0.380
	5155	1.75	9	4.814	6.564	1573.505	0.411
	5156	1.75	9	4.742	6.492	1584.504	0.443
	5157	1.75	9	4.658	6.408	1594.512	0.471
	5158	1.75	9	4.574	6.324	1604.521	0.500
	5159	1.75	9	4.490	6.240	1614.529	0.529
	5160	1.75	9	4.406	6.156	1624.537	0.557
	5161	1.75	9	4.346	6.096	1635.537	0.589
Taper (back)	5162	1.75	9	4.298	6.048	1646.536	0.620
FS 18, (ahd)	5163	1.75	9	4.524	6.274	1660.280	0.659
	5163	2	9	4.274	6.274	1660.280	0.659
	5164	2	9	4.036	6.036	1668.530	0.683
(back)	5165	2	9	4.322	6.322	1680.280	0.716
(ahead)	5165	2.25	9	4.072	6.322	1680.280	0.716
	5166	2.25	9	3.882	6.132	1693.530	0.754
	5167	2.25	9	3.930	6.180	1706.030	0.790
	5168	2.25	9	3.966	6.216	1718.530	0.826
Pier 7, FS 19	5169	2.25	9	4.002	6.252	1728.030	0.853
	5170	2.25	9	4.014	6.264	1735.780	0.875
	5171	2.25	9	4.038	6.288	1743.530	0.897
	5172	2.25	9	4.050	6.300	1751.530	0.920
	5173	2.25	9	4.074	6.324	1759.530	0.943
	5174	2.25	9	4.098	6.348	1767.530	0.966
	5175	2.25	9	4.098	6.348	1773.530	0.983
CL Pier 7	5176	2.25	9	4.110	6.360	1779.530	1.000
	5177	2.25	9	4.134	6.384	1785.530	0.017
	5178	2.25	9	4.146	6.396	1791.530	0.034
	5179	2.25	9	4.146	6.396	1799.530	0.057
	5180	2.25	9	4.138	6.388	1807.530	0.080
	5181	2.25	9	4.143	6.393	1815.530	0.103
Taper FS 20	5182	2.25	9	4.180	6.430	1823.280	0.125
	5183	2.25	9	4.260	6.510	1831.030	0.147
	5184	2.25	9	4.269	6.519	1840.530	0.174
	5185	2.25	9	4.268	6.518	1853.030	0.210
	5186	2.25	9	4.262	6.512	1865.530	0.246
slab transition, begin		2.25	9	4.262	6.512		0.250
(back)	5187	2.25	9.667	3.710	5.960	1878.780	0.283
(ahead)	5187	2	9.667	3.960	5.960	1878.780	0.283
slab transition, end		2	10	3.639	5.639		0.300
	5188	2	10	3.607	5.607	1890.530	0.317
Span 8, FS 21	5189	2.25	10	3.562	5.812	1898.780	0.341
	5190	2.25	10	3.221	5.471	1912.524	0.380
	5191	2.25	10	3.158	5.408	1923.523	0.411

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

	Final Haunch						
	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)	Distance Along Girder (ft)	Fraction of Section	
	5192	2.25	10	3.108	5.358	1934.523	0.443
	5193	2.25	10	2.988	5.238	1944.553	0.471
	5194	2.25	10	2.868	5.118	1954.583	0.500
	5195	2.25	10	2.766	5.016	1964.613	0.529
	5196	2.25	10	2.712	4.962	1974.643	0.557
	5197	2.25	10	2.648	4.898	1985.642	0.589
Taper	5198	2.25	10	2.562	4.812	1996.642	0.620
FS 22	5199	2.25	10	2.482	4.732	2010.386	0.659
	5200	2.25	10	2.559	4.809	2018.636	0.683
(back)	5201	2.25	10	2.802	5.052	2030.386	0.717
(ahead)	5201	2.5	10	2.552	5.052	2030.386	0.717
	5202	2.5	10	2.369	4.869	2043.636	0.754
	5203	2.5	10	2.358	4.858	2056.136	0.790
	5204	2.5	10	2.399	4.899	2068.636	0.826
Pier 8, FS 23	5205	2.5	10	2.249	4.749	2078.136	0.853
	5206	2.5	10	2.328	4.828	2085.886	0.875
	5207	2.5	10	2.373	4.873	2093.636	0.897
	5208	2.5	10	2.339	4.839	2101.636	0.920
	5209	2.5	10	2.377	4.877	2109.636	0.943
	5210	2.5	10	2.499	4.999	2117.636	0.966
	5211	2.5	10	2.541	5.041	2123.636	0.983
CL Pier 8	5212	2.5	10	2.560	5.060	2129.636	1.000
	5213	2.5	10	2.558	5.058	2135.636	0.018
	5214	2.5	10	2.587	5.087	2141.636	0.036
	5215	2.5	10	2.677	5.177	2149.636	0.060
	5216	2.5	10	2.667	5.167	2157.636	0.084
	5217	2.5	10	2.721	5.221	2165.636	0.107
Taper	5218	2.5	10	2.776	5.276	2173.386	0.131
FS 24	5219	2.5	10	2.802	5.302	2181.136	0.154
	5220	2.5	10	2.777	5.277	2190.635	0.182
	5221	2.5	10	2.776	5.276	2203.135	0.219
	5222	2.5	10	2.832	5.332	2215.635	0.257
(back)	5223	2.5	10	2.711	5.211	2228.885	0.296
(ahead)	5223	2.25	10	2.961	5.211	2228.885	0.296
	5224	2.25	10	3.032	5.282	2240.635	0.331
(back)	5225	2.25	10	3.656	5.906	2248.885	0.356
Span 9, FS 25, (ahd)	5225	2.75	10	3.156	5.906	2248.885	0.356
	5226	2.75	10	2.582	5.332	2264.332	0.402
	5227	2.75	10	2.575	5.325	2276.187	0.438
	5228	2.75	10	2.481	5.231	2288.042	0.473
	5229	2.75	10	2.440	5.190	2299.898	0.508
	5230	2.75	10	2.358	5.108	2311.752	0.544
	5231	2.75	10	2.322	5.072	2323.940	0.580
Taper	5232	2.75	10	2.310	5.060	2336.131	0.617
FS 26 (bk)	5233	2.75	10	2.798	5.548	2345.324	0.644
(ahead)	5233	2.25	10	3.298	5.548	2345.324	0.644
	5234	2.25	10	2.798	5.048	2352.213	0.665
	5235	2.25	10	2.822	5.072	2359.951	0.688
(back)	5236	2.25	10	2.834	5.084	2365.323	0.704
(ahead)	5236	3	10	2.084	5.084	2365.323	0.704
	5237	3	10	2.108	5.108	2373.776	0.729
	5238	3	10	2.120	5.120	2380.369	0.749
	5239	3	10	2.156	5.156	2390.201	0.778
	5240	3	10	2.216	5.216	2403.573	0.818
Pier 9, FS 27	5241	3	10	2.180	5.180	2413.073	0.846
	5242	3	10	2.192	5.192	2418.924	0.864
	5243	3	10	2.180	5.180	2425.281	0.883
	5244	3	10	2.168	5.168	2435.105	0.912
	5245	3	10	2.144	5.144	2444.902	0.941
	5246	3	10	2.120	5.120	2455.042	0.972
CL Pier 9	5247	3	10	2.096	5.096	2464.524	1.000
	5248	3	10	2.072	5.072	2473.811	0.028
	5249	3	10	2.036	5.036	2484.145	0.058
	5250	3	10	2.012	5.012	2494.254	0.088
	5251	3	10	1.976	4.976	2503.767	0.116
Taper	5252	3	10	1.952	4.952	2509.819	0.134
FS 28	5253	3	10	1.928	4.928	2516.073	0.153
	5254	3	10	1.916	4.916	2525.573	0.181
	5255	3	10	1.904	4.904	2528.263	0.189
	5256	3	10	1.868	4.868	2540.788	0.226

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

	JOINT	Final Haunch					Fraction of Section
		Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)	Distance Along Girder (ft)	
	5257	3	10	1.844	4.844	2549.885	0.253
	5258	3	10	1.820	4.820	2556.393	0.272
(back)	5259	3	10	2.558	5.558	2563.823	0.294
(ahead)	5259	2.25	10	3.308	5.558	2563.823	0.294
	5260	2.25	10	2.534	4.784	2571.507	0.317
	5261	2.25	10	2.534	4.784	2577.418	0.334
Span 10, FS 29	5262	2.25	10	2.522	4.772	2583.823	0.353
	5263	2.25	10	2.474	4.724	2596.004	0.390
	5264	2.25	10	2.414	4.664	2607.428	0.423
	5265	2.25	10	2.354	4.604	2619.057	0.458
	5266	2.25	10	2.294	4.544	2630.724	0.492
	5267	2.25	10	2.234	4.484	2642.109	0.526
	5268	2.25	10	2.174	4.424	2653.649	0.560
	5269	2.25	10	2.150	4.400	2665.160	0.594
Taper	5270	2.25	10	2.126	4.376	2674.021	0.621
FS 30	5271	2.5	10	1.888	4.388	2682.845	0.647
	5272	2.5	10	1.900	4.400	2689.245	0.666
	5273	2.5	10	1.912	4.412	2696.281	0.687
(back)	5274	2.5	10	1.948	4.448	2702.823	0.706
(ahead)	5274	3	10	1.448	4.448	2702.823	0.706
	5275	3	10	1.496	4.496	2713.965	0.739
	5276	3	10	1.556	4.556	2723.801	0.768
	5277	3	10	1.616	4.616	2733.323	0.796
	5278	3	10	1.664	4.664	2741.027	0.819
Pier 10, FS 31	5279	3	10	1.736	4.736	2750.521	0.847
	5280	3	10	1.784	4.784	2757.057	0.867
	5281	3	10	1.856	4.856	2768.716	0.901
slab transition, begin	5282	3	10	1.940	4.940	2781.131	0.938
slab transition, end	5282	3	9	2.940	5.940	2781.131	0.938
	5283	3	9	3.024	6.024	2793.510	0.975
CL Pier 10		3	9	3.085	6.085	2802.030	1.000
	5284	3	9	3.108	6.108	2805.203	0.010
	5285	3	9	3.168	6.168	2816.472	0.047
	5286	3	9	3.228	6.228	2826.541	0.080
	5287	3	9	3.288	6.288	2837.954	0.118
Taper	5288	3	9	3.348	6.348	2849.421	0.155
FS 32	5289	3	9	3.360	6.360	2853.421	0.168
	5290	3	9	3.408	6.408	2862.921	0.199
	5291	3	9	3.456	6.456	2873.305	0.233
	5292	3	9	3.504	6.504	2884.121	0.269
	5293	3	9	3.540	6.540	2893.830	0.301
	5294	3	9	4.064	7.064	2901.129	0.325
	5295	2.5	9	4.100	6.600	2908.757	0.350
	5296	2.5	9	4.124	6.624	2916.957	0.376
Span 11, FS 33	5297	3	9	4.136	7.136	2921.112	0.390
	5298	3	9	3.648	6.648	2930.369	0.420
	5299	3	9	3.660	6.660	2939.543	0.450
	5300	3	9	3.672	6.672	2951.203	0.489
	5301	3	9	3.684	6.684	2963.599	0.529
	5302	3	9	3.672	6.672	2976.110	0.570
	5303	3	9	3.648	6.648	2987.653	0.608
	5304	3	9	3.612	6.612	3000.666	0.651
	5305	3	9	3.576	6.576	3011.706	0.687
FS 34	FS	3	9	3.533	6.533	3026.118	0.734
FS 34 (node)	5306	3	9	3.540	6.540	3023.770	0.726
	5307	3	9	3.492	6.492	3035.756	0.766
	5308	3	9	3.408	6.408	3047.632	0.805
	5309	3	9	3.348	6.348	3059.805	0.844
	5310	3	9	3.264	6.264	3071.860	0.884
	5311	3	9	3.180	6.180	3083.851	0.923
	5312	3	9	3.096	6.096	3096.451	0.965
	5313	3	9	3.000	6.000	3107.285	1.000

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch		Distance Along Girder (ft)	Fraction of Section	
			Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)			
<b>Girder 4</b>							
Span 3	7000	2.25	9	3.750	6.000	0.000	
	7001	2.25	9	3.654	5.904	10.506	
	7002	2.25	9	3.558	5.808	19.899	
	7003	2.25	9	3.450	5.700	32.011	
	7004	2.25	9	3.354	5.604	44.123	
	7005	2.25	9	3.258	5.508	56.235	
FS 1 (node)	7006	2.25	9	3.186	5.436	68.347	
	7007	2.25	9	3.126	5.376	80.459	
FS 1	FS	2.25	9	3.126	5.376	83.000	
	7008	2.25	9	3.066	5.316	92.571	
	7009	2.25	9	3.018	5.268	104.682	
	7010	2.25	9	2.994	5.244	116.794	
	7011	2.25	9	2.970	5.220	128.906	
	7012	2.25	9	2.958	5.208	141.017	
	7013	2.25	9	2.982	5.232	153.129	
	7014	2.25	9	3.006	5.256	165.241	
	Taper FS 2	7015	2.25	9	3.078	5.328	181.089
		7016	2	9	3.376	5.376	189.339
Pier 3, FS 3	7017	2	9	3.448	5.448	201.089	
	7018	2	9	3.532	5.532	214.339	
	7019	2	9	3.604	5.604	226.839	
	7020	2	9	3.676	5.676	239.339	
	7021	2	9	3.736	5.736	248.839	
	7022	2	9	3.772	5.772	256.589	
	7023	2	9	3.820	5.820	264.339	
	7024	2	9	3.868	5.868	272.339	
	7025	2	9	3.916	5.916	280.339	
	7026	2	9	3.952	5.952	288.339	
CL Pier 3	7027	2	9	4.000	6.000	294.339	
	7028	2	9	4.024	6.024	300.339	
	7029	2	9	4.060	6.060	306.339	
	7030	2	9	4.096	6.096	312.339	
	7031	2	9	4.132	6.132	320.339	
	7032	2	9	4.168	6.168	328.339	
Taper FS 4	7033	2	9	4.216	6.216	336.339	
	7034	2	9	4.264	6.264	344.089	
	7035	2	9	4.300	6.300	351.839	
	7036	2	9	4.360	6.360	361.339	
	7037	2	9	4.420	6.420	373.839	
	7038	2	9	4.492	6.492	386.339	
	7039	2	9	4.576	6.576	399.589	
	7040	2	9	4.636	6.636	411.339	
Span 4, FS 5	7041	2	9	4.648	6.648	419.589	
	7042	2	9	4.636	6.636	435.011	
	7043	2	9	4.576	6.576	446.913	
	7044	2	9	4.480	6.480	458.816	
	7045	2	9	4.384	6.384	470.718	
	7046	2	9	4.240	6.240	482.620	
	7047	2	9	4.120	6.120	494.523	
	7048	2	9	4.000	6.000	506.425	
	7049	2	9	3.892	5.892	518.327	
Taper (back)	7050	2	9	3.796	5.796	530.229	
	7051	2	9	3.724	5.724	545.649	
FS 6, (ahd)	7051	2.25	9	3.474	5.724	545.649	
	7052	2.25	9	3.462	5.712	553.899	
(back)	7053	2.25	9	3.986	6.236	565.649	
	7053	2.75	9	3.486	6.236	565.649	
(ahead)	7054	2.75	9	3.010	5.760	578.899	
	7055	2.75	9	3.046	5.796	591.399	
	7056	2.75	9	3.094	5.844	603.899	
	7057	2.75	9	3.118	5.868	613.400	
	7058	2.75	9	3.142	5.892	621.149	
Pier 4, FS 7	7059	2.75	9	3.166	5.916	628.900	
	7060	2.75	9	3.190	5.940	636.899	
	7061	2.75	9	3.214	5.964	644.899	
	7062	2.75	9	3.238	5.988	652.899	
	7063	2.75	9	3.238	5.988	658.899	
	7064	2.75	9	3.262	6.012	664.899	
CL Pier 4	7064	2.75	9	3.262	6.012	664.899	

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch					
	Top Flange	Slab	Final Haunch	Final Haunch	Distance	Fraction	
	Thickness	Thickness	at CL Girder	at CL Girder	Along Girder	of Section	
	(in)	(in)	above flange	(Top of web to bottom of slab)	(ft)		
	JOINT	(in)	(in)	(in)	(ft)		
	7065	2.75	9	3.286	6.036	670.899	0.016
	7066	2.75	9	3.298	6.048	676.899	0.032
	7067	2.75	9	3.322	6.072	684.899	0.053
	7068	2.75	9	3.346	6.096	692.900	0.074
	7069	2.75	9	3.370	6.120	700.899	0.095
Taper	7070	2.75	9	3.406	6.156	708.649	0.115
FS 8	7071	2.75	9	3.418	6.168	716.399	0.136
	7072	2.75	9	3.466	6.216	725.899	0.161
	7073	2.75	9	3.526	6.276	738.399	0.194
	7074	2.75	9	3.574	6.324	750.900	0.227
	7075	2.75	9	3.646	6.396	764.149	0.262
	7076	2.25	9	4.206	6.456	775.899	0.292
(back)	7077	2.25	9	4.480	6.730	784.149	0.314
Span 5, FS 9, (ahd)	7077	2.5	9	4.230	6.730	784.149	0.314
	7078	2.5	9	3.992	6.492	798.133	0.351
	7079	2.5	9	3.992	6.492	809.323	0.381
	7080	2.5	9	3.968	6.468	820.512	0.410
	7081	2.5	9	3.932	6.432	831.702	0.440
	7082	2.5	9	3.908	6.408	842.892	0.469
	7083	2.5	9	3.860	6.360	854.916	0.501
	7084	2.5	9	3.836	6.336	866.941	0.532
	7085	2.5	9	3.800	6.300	878.130	0.562
	7086	2.5	9	3.776	6.276	889.320	0.591
	7087	2.5	9	3.776	6.276	900.509	0.621
Taper	7088	2.5	9	3.788	6.288	911.698	0.650
FS 10	7089	2.75	9	2.758	5.508	925.151	0.686
	7090	2.75	9	2.770	5.520	933.400	0.708
(back)	7091	2.75	9	2.818	5.568	945.151	0.738
(ahead)	7091	2.5	9	3.068	5.568	945.151	0.738
	7092	2.5	9	3.128	5.628	958.400	0.773
	7093	2.5	9	3.200	5.700	970.900	0.806
	7094	2.5	9	3.248	5.748	983.400	0.839
(back)	7095	2.5	9	3.546	6.046	992.901	0.864
Pier 5, FS 11, (ahd)	7095	2.75	9	3.296	6.046	992.901	0.864
	7096	2.75	9	3.094	5.844	1000.650	0.885
	7097	2.75	9	3.118	5.868	1008.400	0.905
	7098	2.75	9	3.166	5.916	1016.400	0.926
	7099	2.75	9	3.190	5.940	1024.400	0.947
	7100	2.75	9	3.226	5.976	1032.400	0.968
	7101	2.75	9	3.250	6.000	1038.400	0.984
CL Pier 5	7102	2.75	9	3.286	6.036	1044.400	1.000
	7103	2.75	9	3.298	6.048	1050.400	0.016
	7104	2.75	9	3.334	6.084	1056.400	0.032
	7105	2.75	9	3.358	6.108	1064.400	0.053
	7106	2.75	9	3.406	6.156	1072.400	0.074
	7107	2.75	9	3.430	6.180	1080.400	0.095
Taper	7108	2.75	9	3.454	6.204	1088.150	0.115
FS 12, (bk)	7109	2.75	9	3.490	6.240	1095.900	0.136
(ahead)	7109	2.5	9	3.740	6.240	1095.900	0.136
	7110	2.5	9	3.788	6.288	1105.400	0.161
	7111	2.5	9	3.848	6.348	1117.900	0.194
	7112	2.5	9	3.920	6.420	1130.400	0.227
(back)	7113	2.5	9	4.242	6.742	1143.650	0.261
(ahead)	7113	2.75	9	3.992	6.742	1143.650	0.261
	7114	2.75	9	3.802	6.552	1155.400	0.292
Span 6, FS 13, (bk)	7115	2.75	9	3.850	6.600	1163.650	0.314
(ahead)	7115	2	9	4.600	6.600	1163.650	0.314
	7116	2	9	4.612	6.612	1177.625	0.351
	7117	2	9	4.600	6.600	1188.814	0.380
	7118	2	9	4.576	6.576	1200.003	0.410
	7119	2	9	4.528	6.528	1211.192	0.439
	7120	2	9	4.468	6.468	1222.380	0.469
	7121	2	9	4.420	6.420	1234.404	0.501
	7122	2	9	4.336	6.336	1246.428	0.532
	7123	2	9	4.276	6.276	1257.617	0.562
	7124	2	9	4.216	6.216	1268.806	0.591
	7125	2	9	4.168	6.168	1279.995	0.621
Taper	7126	2	9	4.132	6.132	1291.183	0.650
FS 14	7127	2	9	4.120	6.120	1304.711	0.686
	7128	2	9	4.120	6.120	1312.962	0.708



This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch					
	Top Flange	Slab	Final Haunch	Final Haunch	Distance	Fraction	
	Thickness	Thickness	at CL Girder	at CL Girder	Along Girder	of Section	
	(in)	(in)	above flange	(Top of web to bottom of slab)	(ft)		
	JOINT	(in)	(in)	(in)	(ft)		
	7129	2.5	9	4.144	6.644	1324.711	0.739
	7130	2.5	9	3.704	6.204	1337.962	0.773
	7131	2.5	9	3.740	6.240	1350.462	0.806
	7132	2.5	9	3.776	6.276	1362.142	0.837
Pier 6, FS 15	7133	2.5	9	3.812	6.312	1372.463	0.864
	7134	2.25	9	4.074	6.324	1380.213	0.885
	7135	2.25	9	4.086	6.336	1387.963	0.905
	7136	2.25	9	4.098	6.348	1395.963	0.926
	7137	2.25	9	4.122	6.372	1403.963	0.947
	7138	2.25	9	4.134	6.384	1411.963	0.968
	7139	2.25	9	4.146	6.396	1417.963	0.984
CL Pier 6	7140	2.25	9	4.146	6.396	1423.963	1.000
	7141	2.25	9	4.158	6.408	1429.963	0.017
	7142	2.25	9	4.170	6.420	1435.963	0.034
	7143	2.25	9	4.182	6.432	1443.963	0.057
	7144	2.25	9	4.206	6.456	1451.963	0.080
	7145	2.25	9	4.218	6.468	1459.963	0.103
Taper FS 16	7146	2.25	9	4.230	6.480	1467.713	0.125
	7147	2.5	9	4.254	6.754	1475.463	0.147
	7148	2.5	9	4.028	6.528	1484.963	0.174
	7149	2.5	9	4.064	6.564	1497.463	0.210
	7150	2.5	9	4.100	6.600	1509.963	0.246
(back)	7151	2.5	9	4.148	6.648	1523.213	0.284
(ahead)	7151	2	9	4.648	6.648	1523.213	0.284
	7152	2	9	4.684	6.684	1534.963	0.317
Span 7, FS 17, (bk)	7153	2	9	4.684	6.684	1543.213	0.341
(ahead)	7153	1.75	9	4.934	6.684	1543.213	0.341
	7154	1.75	9	4.898	6.648	1556.958	0.380
	7155	1.75	9	4.838	6.588	1567.958	0.411
	7156	1.75	9	4.766	6.516	1578.957	0.443
	7157	1.75	9	4.682	6.432	1588.961	0.471
	7158	1.75	9	4.610	6.360	1598.965	0.500
	7159	1.75	9	4.526	6.276	1608.969	0.529
	7160	1.75	9	4.466	6.216	1618.973	0.557
	7161	1.75	9	4.382	6.132	1629.973	0.589
Taper (back)	7162	1.75	9	4.334	6.084	1640.972	0.620
FS 18, (ahd)	7163	1.75	9	4.560	6.310	1654.717	0.659
	7163	2	9	4.310	6.310	1654.717	0.659
	7164	2	9	4.072	6.072	1662.967	0.683
(back)	7165	2	9	4.358	6.358	1674.717	0.716
(ahead)	7165	2.25	9	4.108	6.358	1674.717	0.716
	7166	2.25	9	3.918	6.168	1687.967	0.754
	7167	2.25	9	3.966	6.216	1700.467	0.790
	7168	2.25	9	4.014	6.264	1712.967	0.826
Pier 7, FS 19	7169	2.25	9	4.050	6.300	1722.467	0.853
	7170	2.25	9	4.074	6.324	1730.217	0.875
	7171	2.25	9	4.098	6.348	1737.967	0.897
	7172	2.25	9	4.110	6.360	1745.967	0.920
	7173	2.25	9	4.134	6.384	1753.967	0.943
	7174	2.25	9	4.158	6.408	1761.967	0.966
	7175	2.25	9	4.170	6.420	1767.967	0.983
CL Pier 7	7176	2.25	9	4.170	6.420	1773.967	1.000
	7177	2.25	9	4.194	6.444	1779.967	0.017
	7178	2.25	9	4.206	6.456	1785.967	0.034
	7179	2.25	9	4.222	6.472	1793.967	0.057
	7180	2.25	9	4.214	6.464	1801.967	0.080
	7181	2.25	9	4.217	6.467	1809.967	0.103
Taper FS 20	7182	2.25	9	4.233	6.483	1817.717	0.125
	7183	2.25	9	4.236	6.486	1825.467	0.147
	7184	2.25	9	4.240	6.490	1834.967	0.174
	7185	2.25	9	4.279	6.529	1847.467	0.210
	7186	2.25	9	4.360	6.610	1859.967	0.246
slab transition, begin		2.25	9	4.370	6.620		0.250
(back)	7187	2.25	9.667	3.702	5.952	1873.217	0.284
(ahead)	7187	2	9.667	3.952	5.952	1873.217	0.284
slab transition, end		2	10	3.630	5.630		0.300
	7188	2	10	3.606	5.606	1884.967	0.317
Span 8, FS 21	7189	2.25	10	3.573	5.823	1893.217	0.341
	7190	2.25	10	3.250	5.500	1906.962	0.380
	7191	2.25	10	3.152	5.402	1917.962	0.411

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

	Final Haunch						
	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)	Distance Along Girder (ft)	Fraction of Section	
	7192	2.25	10	3.050	5.300	1928.961	0.443
	7193	2.25	10	2.942	5.192	1938.950	0.471
	7194	2.25	10	2.824	5.074	1948.938	0.500
	7195	2.25	10	2.777	5.027	1958.926	0.529
	7196	2.25	10	2.731	4.981	1968.914	0.557
	7197	2.25	10	2.636	4.886	1979.914	0.589
Taper	7198	2.25	10	2.565	4.815	1990.914	0.620
FS 22	7199	2.25	10	2.481	4.731	2004.659	0.659
	7200	2.25	10	2.459	4.709	2012.909	0.683
(back)	7201	2.25	10	2.709	4.959	2024.659	0.716
(ahead)	7201	2.5	10	2.459	4.959	2024.659	0.716
	7202	2.5	10	2.197	4.697	2037.909	0.754
	7203	2.5	10	2.268	4.768	2050.409	0.790
	7204	2.5	10	2.336	4.836	2062.909	0.826
Pier 8, FS 23	7205	2.5	10	2.462	4.962	2072.409	0.853
	7206	2.5	10	2.509	5.009	2080.159	0.875
	7207	2.5	10	2.529	5.029	2087.909	0.897
	7208	2.5	10	2.517	5.017	2095.909	0.920
	7209	2.5	10	2.444	4.944	2103.909	0.943
	7210	2.5	10	2.447	4.947	2111.909	0.966
	7211	2.5	10	2.461	4.961	2117.909	0.983
CL Pier 8	7212	2.5	10	2.452	4.952	2123.909	1.000
	7213	2.5	10	2.448	4.948	2129.909	0.018
	7214	2.5	10	2.428	4.928	2135.909	0.037
	7215	2.5	10	2.411	4.911	2143.909	0.061
	7216	2.5	10	2.463	4.963	2151.909	0.086
	7217	2.5	10	2.460	4.960	2159.909	0.110
Taper	7218	2.5	10	2.448	4.948	2167.659	0.134
FS 24	7219	2.5	10	2.486	4.986	2175.409	0.157
	7220	2.5	10	2.558	5.058	2184.905	0.186
	7221	2.5	10	2.565	5.065	2197.405	0.225
	7222	2.5	10	2.695	5.195	2209.905	0.263
	7223	2.5	10	2.830	5.330	2223.155	0.303
	7224	2.25	10	3.056	5.306	2234.905	0.339
(back)	7225	2.25	10	3.518	5.768	2243.155	0.364
Span 9, FS 25, (ahd)	7225	2.75	10	3.018	5.768	2243.155	0.364
	7226	2.75	10	2.559	5.309	2258.123	0.410
	7227	2.75	10	2.496	5.246	2269.736	0.446
	7228	2.75	10	2.495	5.245	2281.349	0.481
	7229	2.75	10	2.430	5.180	2292.962	0.517
	7230	2.75	10	2.454	5.204	2304.575	0.552
	7231	2.75	10	2.406	5.156	2316.691	0.589
Taper	7232	2.75	10	2.382	5.132	2328.814	0.626
FS 26, (bk)	7233	2.75	10	2.882	5.632	2331.881	0.636
(ahead)	7233	2.25	10	3.382	5.632	2331.881	0.636
	7234	2.25	10	2.870	5.120	2337.840	0.654
	7235	2.25	10	2.870	5.120	2346.226	0.679
	7236	3	10	2.120	5.120	2351.881	0.697
	7237	3	10	2.132	5.132	2362.609	0.729
	7238	3	10	2.144	5.144	2372.095	0.758
	7239	3	10	2.144	5.144	2381.482	0.787
	7240	3	10	2.120	5.120	2390.131	0.814
Pier 9, FS 27	7241	3	10	2.144	5.144	2399.631	0.843
	7242	3	10	2.132	5.132	2408.179	0.869
	7243	3	10	2.120	5.120	2416.392	0.894
	7244	3	10	2.108	5.108	2426.526	0.925
	7245	3	10	2.096	5.096	2436.014	0.954
	7246	3	10	2.084	5.084	2446.353	0.985
CL Pier 9		3	10	2.072	5.072	2451.133	1.000
	7247	3	10	2.060	5.060	2455.637	0.014
	7248	3	10	2.012	5.012	2465.028	0.042
	7249	3	10	2.000	5.000	2475.259	0.073
	7250	3	10	1.952	4.952	2485.256	0.104
Taper	7251	3	10	1.928	4.928	2494.882	0.133
FS 28	7252	3	10	1.892	4.892	2502.631	0.157
	7253	3	10	1.868	4.868	2512.131	0.186
	7254	3	10	1.844	4.844	2519.379	0.208
	7255	3	10	1.796	4.796	2530.962	0.243
	7256	3	10	1.772	4.772	2541.002	0.274
	7257	3	10	2.486	5.486	2550.381	0.302

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

	JOINT	Final Haunch					Fraction of Section	
		Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)	Distance Along Girder (ft)		
Span 10, FS 29	7258	2.25	10	2.462	4.712	2557.530	0.324	
	7259	2.25	10	2.450	4.700	2562.625	0.340	
	7260	2.25	10	2.438	4.688	2570.381	0.363	
	7261	2.25	10	2.414	4.664	2579.068	0.390	
	7262	2.25	10	2.378	4.628	2587.123	0.414	
	7263	2.25	10	2.318	4.568	2598.705	0.449	
	7264	2.25	10	2.270	4.520	2610.177	0.484	
	7265	2.25	10	2.198	4.448	2621.894	0.520	
	7266	2.25	10	2.162	4.412	2633.231	0.555	
	7267	2.25	10	2.126	4.376	2644.700	0.589	
Taper, FS 30	7268	2.25	10	2.114	4.364	2656.284	0.625	
	7269	2.5	10	1.864	4.364	2660.282	0.637	
	7270	2.5	10	1.888	4.388	2670.042	0.667	
	7271	3	10	1.924	4.924	2680.282	0.698	
	7272	3	10	1.472	4.472	2692.552	0.735	
	7273	3	10	1.544	4.544	2704.995	0.773	
	7274	3	10	1.580	4.580	2710.545	0.790	
	7275	3	10	1.628	4.628	2718.532	0.814	
	7276	3	10	1.676	4.676	2724.032	0.831	
	7277	3	10	1.700	4.700	2728.032	0.843	
Pier 10, FS 31	7278	3	10	1.772	4.772	2738.164	0.874	
	7279	3	10	1.844	4.844	2747.381	0.902	
	7280	3	10	1.916	4.916	2759.060	0.938	
	slab transition, begin	7281	3	10	2.000	5.000	2771.242	0.975
	slab transition, end	7281	3	9	3.000	6.000	2771.242	0.975
	CL Pier 10		3	9	2.725	5.725	2779.532	1.000
	7282	3	9	3.084	6.084	2783.634	0.013	
	7283	3	9	3.144	6.144	2795.099	0.051	
	7284	3	9	3.204	6.204	2805.797	0.086	
	7285	3	9	3.264	6.264	2815.520	0.118	
Taper, FS 32	7286	3	9	3.300	6.300	2823.690	0.145	
	7287	3	9	3.348	6.348	2831.032	0.169	
	7288	3	9	3.288	6.288	2840.532	0.200	
	7289	3	9	3.444	6.444	2851.705	0.237	
	7290	3	9	3.504	6.504	2862.715	0.273	
	7291	3	9	3.540	6.540	2870.080	0.297	
	7292	3	9	4.076	7.076	2878.782	0.325	
	7293	2.5	9	4.088	6.588	2883.053	0.339	
	7294	2.5	9	4.112	6.612	2890.194	0.363	
	7295	3	9	4.136	7.136	2898.782	0.391	
Span 11, FS 33	7296	3	9	3.648	6.648	2905.843	0.414	
	7297	3	9	3.660	6.660	2916.823	0.450	
	7298	3	9	3.672	6.672	2928.221	0.487	
	7299	3	9	3.672	6.672	2939.451	0.524	
	7300	3	9	3.660	6.660	2952.056	0.566	
	7301	3	9	3.636	6.636	2964.238	0.606	
	7302	3	9	3.600	6.600	2975.887	0.644	
	7303	3	9	3.564	6.564	2988.674	0.686	
	7304	3	9	3.516	6.516	2999.715	0.722	
	FS 34	FS	3	9	3.477	6.477	3009.062	0.752
FS 34 (node)	7305	3	9	3.468	6.468	3011.275	0.760	
	7306	3	9	3.408	6.408	3023.541	0.800	
	7307	3	9	3.336	6.336	3035.426	0.839	
	7308	3	9	3.276	6.276	3047.363	0.878	
	7309	3	9	3.192	6.192	3059.364	0.917	
	7310	3	9	3.096	6.096	3071.183	0.956	
	7311	3	9	3.000	6.000	3084.562	1.000	

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

	JOINT	Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch		Distance Along Girder (ft)	Fraction of Section
				Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)		
	Girder 5						
Span 3	9000	2.25	9	3.750	6.000	0.000	0.000
	9001	2.25	9	3.630	5.880	8.302	0.028
	9002	2.25	9	3.522	5.772	17.198	0.058
	9003	2.25	9	3.378	5.628	29.282	0.099
	9004	2.25	9	3.246	5.496	41.366	0.139
	9005	2.25	9	3.126	5.376	53.451	0.180
	9006	2.25	9	3.006	5.256	65.535	0.221
FS 1 (node)	9007	2.25	9	2.922	5.172	77.619	0.261
FS 1	FS	2.25	9	2.890	5.140	83.000	0.279
	9008	2.25	9	2.850	5.100	89.703	0.302
	9009	2.25	9	2.802	5.052	101.788	0.343
	9010	2.25	9	2.766	5.016	113.872	0.383
	9011	2.25	9	2.754	5.004	125.956	0.424
	9012	2.25	9	2.766	5.016	138.040	0.465
	9013	2.25	9	2.802	5.052	150.125	0.505
Taper	9014	2.25	9	2.862	5.112	162.209	0.546
FS 2, (bk)	9015	2.25	9	2.982	5.232	177.756	0.598
(ahead)	9015	2	9	3.232	5.232	177.756	0.598
	9016	2	9	3.292	5.292	186.006	0.626
	9017	2	9	3.400	5.400	197.756	0.666
	9018	2	9	3.520	5.520	211.006	0.710
	9019	2	9	3.616	5.616	223.506	0.753
	9020	2	9	3.712	5.712	236.006	0.795
Pier 3, FS 3	9021	2	9	3.784	5.784	245.506	0.827
	9022	2	9	3.832	5.832	253.256	0.853
	9023	2	9	3.880	5.880	261.006	0.879
	9024	2	9	3.928	5.928	269.006	0.906
	9025	2	9	3.976	5.976	277.006	0.933
	9026	2	9	4.024	6.024	285.006	0.960
	9027	2	9	4.048	6.048	291.006	0.980
CL Pier 3	9028	2	9	4.084	6.084	297.006	1.000
	9029	2	9	4.108	6.108	303.006	0.016
	9030	2	9	4.144	6.144	309.006	0.033
	9031	2	9	4.180	6.180	317.006	0.055
	9032	2	9	4.216	6.216	325.006	0.077
	9033	2	9	4.252	6.252	333.006	0.099
Taper	9034	2	9	4.288	6.288	340.756	0.120
FS 4	9035	2	9	4.336	6.336	348.506	0.142
	9036	2	9	4.372	6.372	358.006	0.168
	9037	2	9	4.420	6.420	370.506	0.202
	9038	2	9	4.480	6.480	383.006	0.236
	9039	2	9	4.528	6.528	396.256	0.273
	9040	2	9	4.552	6.552	408.006	0.305
Span 4, FS 5	9041	2	9	4.564	6.564	416.256	0.328
	9042	2	9	4.528	6.528	431.382	0.369
	9043	2	9	4.444	6.444	443.259	0.402
	9044	2	9	4.360	6.360	455.136	0.435
	9045	2	9	4.240	6.240	467.012	0.467
	9046	2	9	4.120	6.120	478.889	0.500
	9047	2	9	4.000	6.000	490.766	0.533
	9048	2	9	3.892	5.892	502.642	0.565
	9049	2	9	3.808	5.808	514.519	0.598
Taper	9050	2	9	3.736	5.736	526.395	0.631
(back)	9051	2	9	3.700	5.700	541.530	0.672
FS 6, (ahd)	9051	2.25	9	3.450	5.700	541.530	0.672
	9052	2.25	9	3.450	5.700	549.780	0.695
(back)	9053	2.25	9	3.986	6.236	561.529	0.727
(ahead)	9053	2.75	9	3.486	6.236	561.529	0.727
	9054	2.75	9	3.034	5.784	574.780	0.764
	9055	2.75	9	3.082	5.832	587.279	0.798
	9056	2.75	9	3.130	5.880	599.780	0.832
Pier 4, FS 7	9057	2.75	9	3.166	5.916	609.280	0.858
	9058	2.75	9	3.190	5.940	617.030	0.880
	9059	2.75	9	3.214	5.964	624.780	0.901
	9060	2.75	9	3.238	5.988	632.780	0.923
	9061	2.75	9	3.274	6.024	640.780	0.945
	9062	2.75	9	3.286	6.036	648.780	0.967
	9063	2.75	9	3.310	6.060	654.780	0.984
CL Pier 4	9064	2.75	9	3.322	6.072	660.780	1.000

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch					
	Top Flange	Slab	Final Haunch	Final Haunch	Distance	Fraction	
	Thickness	Thickness	at CL Girder	at CL Girder	Along Girder	of Section	
	(in)	(in)	above flange	(Top of web to bottom of slab)	(ft)		
	JOINT	(in)	(in)	(in)	(ft)		
	9065	2.75	9	3.334	6.084	666.780	0.016
	9066	2.75	9	3.358	6.108	672.780	0.032
	9067	2.75	9	3.370	6.120	680.780	0.053
	9068	2.75	9	3.382	6.132	688.780	0.074
	9069	2.75	9	3.418	6.168	696.780	0.095
Taper	9070	2.75	9	3.430	6.180	704.530	0.116
FS 8	9071	2.75	9	3.454	6.204	712.280	0.136
	9072	2.75	9	3.466	6.216	721.779	0.161
	9073	2.75	9	3.502	6.252	734.280	0.194
	9074	2.75	9	3.538	6.288	746.780	0.227
	9075	2.75	9	3.574	6.324	760.030	0.262
	9076	2.25	9	4.098	6.348	771.780	0.293
(back)	9077	2.25	9	4.348	6.598	780.030	0.315
Span 5, FS 9, (ahd)	9077	2.5	9	4.098	6.598	780.030	0.315
	9078	2.5	9	3.824	6.324	793.735	0.351
	9079	2.5	9	3.788	6.288	804.902	0.381
	9080	2.5	9	3.728	6.228	816.069	0.410
	9081	2.5	9	3.680	6.180	827.235	0.440
	9082	2.5	9	3.620	6.120	838.402	0.469
	9083	2.5	9	3.572	6.072	850.402	0.501
	9084	2.5	9	3.512	6.012	862.402	0.532
	9085	2.5	9	3.476	5.976	873.568	0.562
	9086	2.5	9	3.452	5.952	884.735	0.591
	9087	2.5	9	3.452	5.952	895.901	0.621
Taper	9088	2.5	9	3.464	5.964	907.068	0.650
FS 10	9089	2.75	9	2.782	5.532	920.253	0.685
	9090	2.75	9	2.806	5.556	928.503	0.707
	9091	2.75	9	2.866	5.616	940.253	0.738
(ahead)	9091	2.5	9	3.116	5.616	940.253	0.738
	9092	2.5	9	3.188	5.688	953.503	0.773
	9093	2.5	9	3.248	5.748	966.003	0.806
	9094	2.5	9	3.308	5.808	978.503	0.839
(back)	9095	2.5	9	3.606	6.106	988.003	0.864
Pier 5, FS 11, (ahd)	9095	2.75	9	3.356	6.106	988.003	0.864
	9096	2.75	9	3.142	5.892	995.753	0.884
	9097	2.75	9	3.166	5.916	1003.503	0.905
	9098	2.75	9	3.202	5.952	1011.503	0.926
	9099	2.75	9	3.238	5.988	1019.503	0.947
	9100	2.75	9	3.262	6.012	1027.503	0.968
	9101	2.75	9	3.286	6.036	1033.503	0.984
CL Pier 5	9102	2.75	9	3.310	6.060	1039.503	1.000
	9103	2.75	9	3.334	6.084	1045.503	0.016
	9104	2.75	9	3.346	6.096	1051.503	0.032
	9105	2.75	9	3.382	6.132	1059.503	0.053
	9106	2.75	9	3.418	6.168	1067.503	0.074
	9107	2.75	9	3.442	6.192	1075.503	0.095
Taper	9108	2.75	9	3.466	6.216	1083.253	0.115
FS 12, (bk)	9109	2.75	9	3.490	6.240	1091.003	0.136
(ahead)	9109	2.5	9	3.740	6.240	1091.003	0.136
	9110	2.5	9	3.788	6.288	1100.503	0.161
	9111	2.5	9	3.824	6.324	1113.003	0.194
	9112	2.5	9	3.872	6.372	1125.503	0.227
(back)	9113	2.5	9	4.170	6.670	1138.753	0.262
(ahead)	9113	2.75	9	3.920	6.670	1138.753	0.262
	9114	2.75	9	3.718	6.468	1150.503	0.293
Span 6, FS 13	9115	2.75	9	3.718	6.468	1158.753	0.315
(ahead)	9115	2	9	4.468	6.468	1158.753	0.315
	9116	2	9	4.480	6.480	1172.463	0.351
	9117	2	9	4.456	6.456	1183.630	0.380
	9118	2	9	4.396	6.396	1194.796	0.410
	9119	2	9	4.360	6.360	1205.963	0.439
	9120	2	9	4.300	6.300	1217.130	0.469
	9121	2	9	4.228	6.228	1229.129	0.500
	9122	2	9	4.180	6.180	1241.129	0.532
	9123	2	9	4.120	6.120	1252.296	0.562
	9124	2	9	4.084	6.084	1263.463	0.591
	9125	2	9	4.060	6.060	1274.629	0.620
Taper	9126	2	9	4.048	6.048	1285.796	0.650
FS 14	9127	2	9	4.048	6.048	1299.184	0.685
	9128	2	9	4.072	6.072	1307.433	0.707
	9129	2.5	9	4.108	6.608	1319.184	0.738

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch		Final Haunch at CL Girder		Distance	Fraction
	Top Flange	Slab	at CL Girder	at CL Girder	Distance	Along Girder	of Section
	Thickness	Thickness	above flange	(Top of web to bottom of slab)	(ft)		
	(in)	(in)	(in)	(in)			
	JOINT						
	9130	2.5	9	3.656	6.156	1332.433	0.773
	9131	2.5	9	3.704	6.204	1344.933	0.806
	9132	2.5	9	3.752	6.252	1357.434	0.839
Pier 6, FS 15	9133	2.5	9	3.788	6.288	1366.934	0.864
	9134	2.25	9	4.062	6.312	1374.684	0.885
	9135	2.25	9	4.074	6.324	1382.434	0.905
	9136	2.25	9	4.110	6.360	1390.434	0.926
	9137	2.25	9	4.122	6.372	1398.434	0.947
	9138	2.25	9	4.146	6.396	1406.434	0.968
	9139	2.25	9	4.158	6.408	1412.434	0.984
CL Pier 6	9140	2.25	9	4.170	6.420	1418.434	1.000
	9141	2.25	9	4.182	6.432	1424.434	0.017
	9142	2.25	9	4.206	6.456	1430.434	0.034
	9143	2.25	9	4.230	6.480	1438.434	0.057
	9144	2.25	9	4.242	6.492	1446.434	0.080
	9145	2.25	9	4.278	6.528	1454.434	0.103
Taper	9146	2.25	9	4.290	6.540	1462.184	0.125
FS 16	9147	2.5	9	4.314	6.814	1469.934	0.147
	9148	2.5	9	4.088	6.588	1479.434	0.174
	9149	2.5	9	4.124	6.624	1491.934	0.210
	9150	2.5	9	4.160	6.660	1504.434	0.246
(back)	9151	2.5	9	4.196	6.696	1517.684	0.284
(ahead)	9151	2	9	4.696	6.696	1517.684	0.284
	9152	2	9	4.708	6.708	1529.434	0.317
Span 7, FS 17, (bk)	9153	2	9	4.708	6.708	1537.684	0.341
(ahead)	9153	1.75	9	4.958	6.708	1537.684	0.341
	9154	1.75	9	4.910	6.660	1551.434	0.380
	9155	1.75	9	4.850	6.600	1562.434	0.411
	9156	1.75	9	4.766	6.516	1573.434	0.443
	9157	1.75	9	4.694	6.444	1583.434	0.471
	9158	1.75	9	4.610	6.360	1593.434	0.500
	9159	1.75	9	4.538	6.288	1603.434	0.529
	9160	1.75	9	4.478	6.228	1613.434	0.557
	9161	1.75	9	4.430	6.180	1624.434	0.589
Taper	9162	1.75	9	4.394	6.144	1635.434	0.620
(back)	9163	1.75	9	4.644	6.394	1649.184	0.659
FS 18, (ahd)	9163	2	9	4.394	6.394	1649.184	0.659
	9164	2	9	4.156	6.156	1657.434	0.683
(back)	9165	2	9	4.454	6.454	1669.184	0.716
(ahead)	9165	2.25	9	4.204	6.454	1669.184	0.716
	9166	2.25	9	4.014	6.264	1682.434	0.754
	9167	2.25	9	4.074	6.324	1694.934	0.790
	9168	2.25	9	4.110	6.360	1707.434	0.826
Pier 7, FS 19	9169	2.25	9	4.146	6.396	1716.934	0.853
	9170	2.25	9	4.170	6.420	1724.684	0.875
	9171	2.25	9	4.194	6.444	1732.434	0.897
	9172	2.25	9	4.206	6.456	1740.434	0.920
	9173	2.25	9	4.230	6.480	1748.434	0.943
	9174	2.25	9	4.242	6.492	1756.434	0.966
	9175	2.25	9	4.254	6.504	1762.434	0.983
CL Pier 7	9176	2.25	9	4.266	6.516	1768.434	1.000
	9177	2.25	9	4.278	6.528	1774.434	0.017
	9178	2.25	9	4.290	6.540	1780.434	0.034
	9179	2.25	9	4.310	6.560	1788.434	0.057
	9180	2.25	9	4.337	6.587	1796.434	0.080
	9181	2.25	9	4.339	6.589	1804.434	0.103
Taper	9182	2.25	9	4.359	6.609	1812.184	0.125
FS 20	9183	2.25	9	4.356	6.606	1819.934	0.147
	9184	2.25	9	4.385	6.635	1829.434	0.174
	9185	2.25	9	4.387	6.637	1841.934	0.210
	9186	2.25	9	4.395	6.645	1854.434	0.246
slab transition, begin		2.25	9	4.396	6.646		0.250
(back)	9187	2.25	9.667	3.733	5.983	1867.684	0.284
(ahead)	9187	2	9.667	3.983	5.983	1867.684	0.284
slab transition, end		2	10	3.645	5.645		0.300
	9188	2	10	3.625	5.625	1879.434	0.317
Span 8, FS 21	9189	2.25	10	3.597	5.847	1887.684	0.341
	9190	2.25	10	3.237	5.487	1901.434	0.380
	9191	2.25	10	3.140	5.390	1912.434	0.412
	9192	2.25	10	3.036	5.286	1923.434	0.443

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

		Final Haunch		Final Haunch at CL Girder		Distance	Fraction
	Top Flange	Slab	at CL Girder	at CL Girder	Distance	Along Girder	of Section
	Thickness	Thickness	above flange	(Top of web to	Along Girder		
	(in)	(in)	(in)	bottom of slab)	(ft)		
	JOINT	(in)	(in)	(in)	(ft)		
	9193	2.25	10	2.939	5.189	1933.381	0.472
	9194	2.25	10	2.840	5.090	1943.329	0.500
	9195	2.25	10	2.748	4.998	1953.276	0.528
	9196	2.25	10	2.654	4.904	1963.224	0.557
	9197	2.25	10	2.567	4.817	1974.224	0.588
Taper	9198	2.25	10	2.508	4.758	1985.224	0.620
FS 22	9199	2.25	10	2.358	4.608	1998.977	0.659
	9200	2.25	10	2.354	4.604	2007.227	0.683
(back)	9201	2.25	10	2.621	4.871	2018.977	0.716
(ahead)	9201	2.5	10	2.371	4.871	2018.977	0.716
	9202	2.5	10	2.000	4.500	2032.227	0.754
	9203	2.5	10	2.126	4.626	2044.727	0.790
	9204	2.5	10	2.354	4.854	2057.227	0.826
Pier 8, FS 23	9205	2.5	10	2.484	4.984	2066.727	0.853
	9206	2.5	10	2.570	5.070	2074.477	0.875
	9207	2.5	10	2.597	5.097	2082.227	0.897
	9208	2.5	10	2.567	5.067	2090.227	0.920
	9209	2.5	10	2.463	4.963	2098.225	0.943
	9210	2.5	10	2.452	4.952	2106.225	0.966
	9211	2.5	10	2.393	4.893	2112.225	0.983
CL Pier 8	9212	2.5	10	2.308	4.808	2118.225	1.000
	9213	2.5	10	2.289	4.789	2124.225	0.019
	9214	2.5	10	2.283	4.783	2130.225	0.038
	9215	2.5	10	2.288	4.788	2138.225	0.063
	9216	2.5	10	2.263	4.763	2146.225	0.088
	9217	2.5	10	2.265	4.765	2154.225	0.113
Taper	9218	2.5	10	2.309	4.809	2161.975	0.137
FS 24	9219	2.5	10	2.357	4.857	2169.725	0.161
	9220	2.5	10	2.367	4.867	2179.225	0.191
	9221	2.5	10	2.469	4.969	2191.725	0.230
	9222	2.5	10	2.618	5.118	2204.225	0.269
	9223	2.5	10	2.805	5.305	2217.475	0.311
	9224	2.25	10	2.949	5.199	2229.225	0.347
(back)	9225	2.25	10	3.359	5.609	2237.475	0.373
Span 9, FS 25, (ahd)	9225	2.75	10	2.859	5.609	2237.475	0.373
	9226	2.75	10	2.408	5.158	2251.962	0.419
	9227	2.75	10	2.458	5.208	2263.331	0.454
	9228	2.75	10	2.428	5.178	2274.700	0.490
	9229	2.75	10	2.518	5.268	2286.068	0.525
	9230	2.75	10	2.490	5.240	2297.437	0.561
	9231	2.75	10	2.466	5.216	2309.482	0.599
Taper, FS 26	9232	2.75	10	2.942	5.692	2318.451	0.627
	9233	2.25	10	2.942	5.192	2321.536	0.636
	9234	2.25	10	2.930	5.180	2331.064	0.666
	9235	3	10	2.180	5.180	2338.451	0.689
	9236	3	10	2.180	5.180	2344.670	0.709
	9237	3	10	2.180	5.180	2354.516	0.740
	9238	3	10	2.180	5.180	2363.855	0.769
	9239	3	10	2.180	5.180	2372.794	0.797
	9240	3	10	2.168	5.168	2376.701	0.809
	9241	3	10	2.168	5.168	2383.036	0.829
Pier 9, FS 27	9242	3	10	2.168	5.168	2386.201	0.839
	9243	3	10	2.144	5.144	2398.549	0.877
	9244	3	10	2.120	5.120	2407.536	0.906
	9245	3	10	2.096	5.096	2417.983	0.938
	9246	3	10	2.084	5.084	2427.161	0.967
CL Pier 9	9247	3	10	2.048	5.048	2437.701	1.000
	9248	3	10	2.012	5.012	2446.786	0.028
	9249	3	10	1.988	4.988	2456.283	0.058
	9250	3	10	1.952	4.952	2466.411	0.090
	9251	3	10	1.904	4.904	2476.294	0.121
Taper	9252	3	10	1.868	4.868	2486.036	0.151
FS 28	9253	3	10	1.868	4.868	2489.201	0.161
	9254	3	10	1.832	4.832	2498.701	0.191
	9255	3	10	1.772	4.772	2510.536	0.228
	9256	3	10	1.724	4.724	2521.172	0.261
	9257	3	10	1.688	4.688	2532.161	0.296
	9258	3	10	2.414	5.414	2536.951	0.311
	9259	2.25	10	2.378	4.628	2547.054	0.342
	9260	2.25	10	2.354	4.604	2553.786	0.363

This calculation uses deflections from final geometry and counterweight used by Genesis in the erection analysis.

	JOINT	Final Haunch					
		Top Flange Thickness (in)	Slab Thickness (in)	Final Haunch at CL Girder above flange (in)	Final Haunch at CL Girder (Top of web to bottom of slab) (in)	Distance Along Girder (ft)	Fraction of Section
Span 10, FS 29	9261	2.25	10	2.354	4.604	2556.951	0.373
	9262	2.25	10	2.318	4.568	2568.413	0.409
	9263	2.25	10	2.282	4.532	2578.287	0.440
	9264	2.25	10	2.246	4.496	2590.029	0.477
	9265	2.25	10	2.210	4.460	2601.343	0.512
	9266	2.25	10	2.162	4.412	2613.112	0.549
	9267	2.25	10	2.162	4.412	2624.400	0.585
Taper	9268	2.25	10	2.162	4.412	2631.086	0.606
FS 30	9269	2.5	10	1.912	4.412	2637.824	0.627
	9270	2.5	10	1.924	4.424	2647.458	0.657
	9271	3	10	1.448	4.448	2657.824	0.689
	9272	3	10	1.496	4.496	2665.978	0.715
	9273	3	10	1.520	4.520	2671.127	0.731
	9274	3	10	1.568	4.568	2683.014	0.768
	9275	3	10	1.652	4.652	2696.074	0.809
	9276	3	10	1.676	4.676	2700.957	0.824
Pier 10, FS 31	9277	3	10	1.712	4.712	2705.574	0.839
	9278	3	10	1.772	4.772	2714.791	0.868
	9279	3	10	1.856	4.856	2726.091	0.903
	9280	3	10	1.940	4.940	2737.753	0.940
	9281	3	10	2.012	5.012	2749.454	0.976
CL Pier 10		3	10	2.066	5.066	2757.074	1.000
slab transition, begin	9282	3	10	2.096	5.096	2761.401	0.014
slab transition, end	9282	3	9	3.096	6.096	2761.401	0.014
	9283	3	9	3.168	6.168	2773.807	0.055
	9284	3	9	3.228	6.228	2785.044	0.092
	9285	3	9	3.288	6.288	2795.168	0.125
Taper	9286	3	9	3.336	6.336	2804.544	0.156
FS 32	9287	3	9	3.360	6.360	2808.574	0.169
	9288	3	9	3.408	6.408	2818.074	0.200
	9289	3	9	3.444	6.444	2828.724	0.235
	9290	3	9	3.492	6.492	2840.590	0.274
	9291	3	9	3.540	6.540	2852.173	0.312
(back)	9292	3	9	4.052	7.052	2856.324	0.326
(ahead)	9292	2.5	9	4.552	7.052	2856.324	0.326
	9293	2.5	9	4.064	6.564	2864.335	0.352
	9294	2.5	9	4.076	6.576	2872.324	0.378
Span 11, FS 33	9295	3	9	4.100	7.100	2876.324	0.391
	9296	3	9	3.600	6.600	2886.512	0.425
	9297	3	9	3.612	6.612	2894.776	0.452
	9298	3	9	3.612	6.612	2906.266	0.489
	9299	3	9	3.612	6.612	2916.946	0.524
	9300	3	9	3.600	6.600	2927.745	0.560
	9301	3	9	3.576	6.576	2940.559	0.602
	9302	3	9	3.552	6.552	2952.411	0.641
	9303	3	9	3.516	6.516	2964.167	0.679
	9304	3	9	3.468	6.468	2976.729	0.721
	9305	3	9	3.432	6.432	2987.771	0.757
FS 34	FS	3	9	3.404	6.404	2992.884	0.774
FS 34 (node)	9306	3	9	3.372	6.372	2998.826	0.793
	9307	3	9	3.312	6.312	3011.372	0.834
	9308	3	9	3.240	6.240	3023.266	0.873
	9309	3	9	3.180	6.180	3034.969	0.912
	9310	3	9	3.096	6.096	3046.915	0.951
	9311	3	9	3.024	6.024	3058.562	0.989
	9312	3	9	3.000	6.000	3061.884	1.000



**Haunch Height**

From Top of Girder Web to Bottom of Slab

**Girder 1**

		128+35.34										128+48.86		128+50.76																											
		CL Brg Pier 2										Horiz Trans		FS 2										CL Pier 3																	
		0.00	0.05	0.10	0.15	0.20	0.25	FS 1	0.27	0.30	0.35	0.40	0.45	0.49	0.50	0.55	0.60	FS 2	0.62	0.65	0.70	0.75	0.80	FS 3	0.83	0.85	0.90	0.95	1.00												
Span 3		6.000	5.770	5.555	5.372	5.208	5.058	5.020	4.959	4.890	4.840	4.842	4.885	4.893	4.971	5.078	5.112	5.221	5.378	5.529	5.667	5.748	5.787	5.898	6.003	6.096															
		6"	5 3/4"	5 9/16"	5 3/8"	5 3/16"	5 1/16"	5"	4 15/16"	4 7/8"	4 13/16"	4 13/16"	4 7/8"	4 7/8"	5"	5 1/16"	5 1/8"	5 1/4"	5 3/8"	5 1/2"	5 11/16"	5 3/4"	5 13/16"	5 7/8"	6"	6 1/8"															
		130+41.50					130+58.38					130+59.74					131+50.98					131+60.00					131+69.23														
		CL Pier 3					FS 4					Horiz Trans					FS 5					Horiz Trans					FS 6					FS 7					CL Pier 4				
		0.00	0.05	0.10	0.14	0.15	0.15	0.20	0.25	0.30	0.32	0.35	0.40	0.42	0.45	0.50	0.55	0.60	0.65	0.68	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00													
Span 4		6.096	6.197	6.291	6.372	6.380	6.385	6.467	6.559	6.633	6.636	6.609	6.509	6.421	6.322	6.108	5.900	5.719	5.619	5.592	5.634	5.878	5.749	5.831	5.844	5.901	5.969	6.036													
		6 1/8"	6 3/16"	6 5/16"	6 3/8"	6 3/8"	6 3/8"	6 7/16"	6 9/16"	6 5/8"	6 5/8"	6 5/8"	6 1/2"	6 7/16"	6 5/16"	6 1/8"	5 7/8"	5 3/4"	5 5/8"	5 9/16"	5 5/8"	5 7/8"	5 3/4"	5 13/16"	5 7/8"	5 7/8"	6"	6 1/16"													
		139+39.88				139+55.72				139+58.86				139+77.85				139+87.35				139+96.83																			
		CL Pier 5				FS 12				FS 13				Horiz Trans				Horiz Trans				FS 14				FS 15				CL Pier 6											
		0.00	0.05	0.10	0.14	0.15	0.20	0.25	0.30	0.31	0.35	0.40	0.45	0.50	0.54	0.55	0.60	0.63	0.65	0.69	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00													
Span 6		6.084	6.209	6.313	6.396	6.432	6.544	6.836	6.754	6.768	6.768	6.721	6.623	6.506	6.398	6.378	6.275	6.235	6.205	6.180	6.187	6.580	6.271	6.317	6.324	6.357	6.384	6.408													
		6 1/16"	6 3/16"	6 5/16"	6 3/8"	6 7/16"	6 9/16"	6 13/16"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 5/8"	6 1/2"	6 3/8"	6 3/8"	6 1/4"	6 1/4"	6 3/16"	6 3/16"	6 3/16"	6 9/16"	6 1/4"	6 5/16"	6 5/16"	6 3/8"	6 3/8"	6 7/16"													
		141+82.50			141+87.74			142+00.00			144+27.50										144+37.44			144+45.00																	
		CL Pier 6			FS 16			Horiz Trans			FS 17			FS 18										FS 19			Horiz Trans			CL Pier 7											
		0.00	0.05	0.10	0.15	0.15	0.16	0.20	0.25	0.30	0.34	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.88	0.90	0.95	1.00													
Span 7		6.408	6.449	6.479	6.778	6.753	6.621	6.557	6.604	6.642	6.648	6.634	6.550	6.426	6.288	6.171	6.095	6.262	6.322	6.248	6.236	6.281	6.356	6.360	6.377	6.409	6.451	6.492													
		6 7/16"	6 7/16"	6 1/2"	6 3/4"	6 3/4"	6 5/8"	6 9/16"	6 5/8"	6 5/8"	6 5/8"	6 5/8"	6 9/16"	6 7/16"	6 5/16"	6 3/16"	6 1/8"	6 1/4"	6 5/16"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 3/8"	6 3/8"	6 3/8"	6 7/16"	6 7/16"	6 1/2"												
		147+77.82										147+88.68			147+95.34																										
		CL Pier 7										FS 20			FS 21			FS 22			FS 23			Horiz Trans			CL Pier 8														
		0.00	0.05	0.10	0.15	0.15	0.20	0.25	0.30	0.34	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.88	0.90	0.95	1.00														
Span 8		6.492	6.494	6.523	6.588	6.595	6.633	6.634	5.564	5.850	5.772	5.461	5.273	5.147	5.027	4.922	4.937	4.943	5.050	5.274	5.103	4.863	4.855	4.945	4.940	5.112	5.336														
		6 1/2"	6 1/2"	6 1/2"	6 9/16"	6 5/8"	6 5/8"	6 5/8"	5 9/16"	5 7/8"	5 3/4"	5 7/16"	5 1/4"	5 1/8"	5"	4 15/16"	4 15/16"	4 15/16"	5 1/16"	5 1/4"	5 1/8"	4 7/8"	4 7/8"	4 15/16"	4 15/16"	5 1/8"	5 5/16"														
		148+30.00			148+38.12			148+47.21																																	
		CL Pier 8			Horiz Trans			FS 24			FS 25			FS 26										FS 27			CL Pier 9														
		0.00	0.02	0.05	0.10	0.15	0.20	0.25	0.30	0.34	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.90	0.95	1.00															
Span 9		5.336	5.345	5.551	5.624	5.718	5.713	5.623	5.279	5.034	5.845	5.760	5.412	5.276	5.102	4.985	4.976	4.993	5.000	5.046	5.080	5.087	5.107	5.108	5.103	5.094	5.072														
		5 5/16"	5 3/8"	5 9/16"	5 5/8"	5 11/16"	5 11/16"	5 5/8"	5 1/4"	5 1/16"	5 7/8"	5 3/4"	5 7/16"	5 1/4"	5 1/8"	5"	5"	5"	5"	5 1/16"	5 1/16"	5 1/16"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/16"														
		147+77.82			147+88.68			147+95.34																																	
		CL Pier 9			FS 28			FS 29			FS 30										FS 31			CL Pier 10																	
		0.00	0.05	0.10	0.14	0.15	0.20	0.25	0.30	0.33	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.90	0.95	1.00															
Span 10		5.072	5.043	5.011	4.976	4.968	4.944	5.070	5.070	4.856	4.833	4.758	4.657	4.564	4.497	4.450	4.455	4.460	4.598	4.586	4.692	4.804	4.808	5.902	6.019	6.108															
		5 1/16"	5 1/16"	5"	5"	4 15/16"	4 15/16"	5 1/16"	5 1/16"	4 7/8"	4 13/16"	4 3/4"	4 11/16"	4 9/16"	4 1/2"	4 7/16"	4 7/16"	4 7/16"	4 5/8"	4 9/16"	4 11/16"	4 13/16"	4 13/16"	5 7/8"	6"	6 1/8"															
		148+30.00			148+38.12			148+47.21																																	
		CL Pier 10			FS 32			FS 33			FS 34										CL Brg Pier 11																				
		0.00	0.05	0.10	0.15	0.16	0.20	0.25	0.30	0.35	0.39	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.74	0.75	0.80	0.85	0.90	0.95	1.00																
Span 11		6.108	6.191	6.260	6.323	6.336	6.386	6.440	6.483	6.532	7.052	6.827	6.598	6.601	6.608	6.600	6.651	6.535	6.482	6.474	6.408	6.314	6.226	6.122	6.000																
		6 1/8"	6 3/16"	6 1/4"	6 5/16"	6 5/16"	6 3/8"	6 7/16"	6 1/2"	6 9/16"	7 1/16"	6 13/16"	6 5/8"	6 5/8"	6 5/8"	6 5/8"	6 9/16"	6 9/16"	6 1/2"	6 1/2"	6 7/16"	6 5/16"	6 1/4"	6 1/8"	6"																

**Haunch Height**

From Top of Girder Web to Bottom of Slab

**Girder 2**

		128+36.71 128+48.86 128+52.00																																																																															
		FS 1										Horiz Trans										FS 2										FS 3										CL Pier 3																																							
Span 3		0.00	0.05	0.10	0.15	0.20	0.25	0.27	0.30	0.35	0.40	0.45	0.49	0.50	0.55	0.60	0.61	0.65	0.70	0.75	0.80	0.83	0.85	0.90	0.95	1.00																																																							
		6.000	5.840	5.688	5.560	5.439	5.336	5.299	5.251	5.184	5.136	5.112	5.119	5.125	5.165	5.238	5.256	5.345	5.457	5.558	5.661	5.724	5.758	5.852	5.944	6.024																																																							
		6"	5 13/16"	5 11/16"	5 9/16"	5 7/16"	5 5/16"	5 5/16"	5 1/4"	5 3/16"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 3/16"	5 1/4"	5 1/4"	5 3/8"	5 7/16"	5 9/16"	5 11/16"	5 3/4"	5 3/4"	5 7/8"	5 15/16"	6"																																																							
		130+41.49 130+58.38 130+59.74										131+50.99 131+60.00 131+69.24																																																																					
		FS 4										Horiz Trans										FS 5										Horiz Trans										FS 6										FS 7										CL Pier 4																			
Span 4		0.00	0.05	0.10	0.14	0.15	0.15	0.20	0.25	0.30	0.33	0.35	0.40	0.42	0.45	0.50	0.55	0.60	0.65	0.67	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00																																																					
		6.024	6.134	6.232	6.312	6.325	6.334	6.442	6.563	6.666	6.696	6.683	6.605	6.534	6.448	6.252	6.032	5.838	5.716	5.676	5.714	5.913	5.761	5.819	5.832	5.878	5.943	5.988																																																					
		6"	6 1/8"	6 1/4"	6 5/16"	6 5/16"	6 5/16"	6 7/16"	6 9/16"	6 11/16"	6 11/16"	6 11/16"	6 5/8"	6 9/16"	6 7/16"	6 1/4"	6 1/16"	5 13/16"	5 11/16"	5 11/16"	5 11/16"	5 15/16"	5 3/4"	5 13/16"	5 13/16"	5 7/8"	5 15/16"	6"																																																					
		139+39.93 139+55.73 139+58.92 139+77.91 139+87.35 139+96.90																																																																															
		FS 8										Horiz Trans										FS 9										Horiz Trans										FS 10										FS 11										CL Pier 5																			
Span 5		0.00	0.05	0.10	0.14	0.15	0.20	0.25	0.30	0.31	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.69	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00																																																							
		5.988	6.057	6.133	6.192	6.221	6.330	6.455	6.684	6.862	6.666	6.684	6.696	6.696	6.703	6.743	6.815	5.316	5.330	5.437	5.562	5.801	5.986	5.819	5.934	6.048																																																							
		6"	6 1/16"	6 1/8"	6 3/16"	6 1/4"	6 5/16"	6 7/16"	6 11/16"	6 7/8"	6 11/16"	6 11/16"	6 11/16"	6 11/16"	6 11/16"	6 3/4"	6 13/16"	5 5/16"	5 5/16"	5 7/16"	5 9/16"	5 13/16"	6"	5 13/16"	5 15/16"	6 1/16"																																																							
		141+82.50 141+87.74 142+00.00																				144+27.50 144+37.44 144+45.00																																																											
		FS 12										Horiz Trans										FS 13										Horiz Trans										FS 14										FS 15										CL Pier 6																			
Span 6		0.00	0.05	0.10	0.14	0.15	0.20	0.25	0.30	0.31	0.35	0.40	0.45	0.50	0.54	0.55	0.60	0.62	0.65	0.69	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00																																																					
		6.048	6.150	6.241	6.324	6.360	6.474	6.772	6.722	6.744	6.767	6.737	6.659	6.542	6.438	6.421	6.295	6.247	6.217	6.180	6.173	6.550	6.256	6.299	6.312	6.333	6.351	6.384																																																					
		6 1/16"	6 1/8"	6 1/4"	6 5/16"	6 3/8"	6 1/2"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 11/16"	6 9/16"	6 7/16"	6 7/16"	6 5/16"	6 1/4"	6 3/16"	6 3/16"	6 3/16"	6 3/16"	6 9/16"	6 1/4"	6 5/16"	6 5/16"	6 5/16"	6 3/8"	6 3/8"																																																				
		147+77.70 147+88.68 147+95.21																																																																															
		FS 16										Horiz Trans										FS 17										Horiz Trans										FS 18										FS 19										Horiz Trans										CL Pier 7									
Span 7		0.00	0.05	0.10	0.15	0.16	0.20	0.25	0.30	0.34	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.88	0.90	0.95	1.00																																																						
		6.384	6.413	6.441	6.718	6.695	6.577	6.521	6.569	6.630	6.648	6.639	6.581	6.462	6.312	6.186	6.079	6.229	6.286	6.182	6.164	6.197	6.272	6.276	6.304	6.327	6.379	6.408																																																					
		6 3/8"	6 7/16"	6 7/16"	6 11/16"	6 11/16"	6 9/16"	6 1/2"	6 9/16"	6 5/8"	6 5/8"	6 5/8"	6 9/16"	6 7/16"	6 5/16"	6 3/16"	6 1/16"	6 1/4"	6 5/16"	6 3/16"	6 3/16"	6 3/16"	6 1/4"	6 1/4"	6 5/16"	6 5/16"	6 3/8"	6 7/16"																																																					
		148+30.00 148+38.12 148+46.95																																																																															
		FS 20										Horiz Trans										FS 21										Horiz Trans										FS 22										FS 23										Horiz Trans										CL Pier 8									
Span 8		0.00	0.05	0.10	0.15	0.15	0.20	0.25	0.30	0.34	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.88	0.90	0.95	1.00																																																						
		6.408	6.472	6.465	6.559	6.556	6.520	6.592	5.625	5.776	5.716	5.464	5.337	5.198	5.047	4.947	4.922	4.928	5.087	5.278	4.997	4.722	4.706	4.707	4.774	4.976	5.084																																																						
		6 7/16"	6 1/2"	6 7/16"	6 9/16"	6 9/16"	6 1/2"	6 9/16"	5 5/8"	5 3/4"	5 11/16"	5 7/16"	5 5/16"	5 3/16"	5 1/16"	4 15/16"	4 15/16"	4 15/16"	5 1/16"	5 1/4"	5"	4 3/4"	4 11/16"	4 11/16"	4 3/4"	5"	5 1/16"																																																						
		148+30.00 148+38.12 148+46.95																																																																															
		FS 24										Horiz Trans										FS 25										Horiz Trans										FS 26										FS 27										CL Pier 9																			
Span 9		0.00	0.02	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.65	0.70	0.75	0.80	0.85	0.85	0.90	0.95	1.00																																																								
		5.084	5.205	5.258	5.383	5.479	5.480	5.428	5.312	5.196	5.900	5.903	5.900	5.394	5.196	5.074	5.041	5.036	5.036	5.310	5.105	5.132	5.144	5.144	5.144	5.127	5.096																																																						
		5 1/16"	5 3/16"	5 1/4"	5 3/8"	5 1/2"	5 1/2"	5 7/16"	5 5/16"	5 3/16"	5 7/8"	5 7/8"	5 7/8"	5 3/8"	5 3/16"	5 1/16"	5 1/16"	5 1/16"	5 1/16"	5 5/16"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"																																																						
		148+30.00 148+38.12 148+46.95																																																																															
		FS 28										Horiz Trans										FS 29										Horiz Trans										FS 30										FS 31										CL Pier 10																			
Span 10		0.00	0.05	0.10	0.15	0.15	0.20	0.25	0.30	0.34	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.90	0.95	1.00																																																							
		5.096	5.052	5.012	4.964	4.962	4.920	4.897	4.880	4.868	4.861	4.794	4.717	4.626	4.531	4.473	4.448	4.448	4.477	4.554	4.654	4.758	4.760	4.874	5.988	6.093																																																							
		5 1/8"	5 1/16"	5"	4 15/16"	4 15/16"	4 15/16"	4 7/8"	4 7/8"	4 7/8"	4 7/8"	4 13/16"	4 11/16"	4 5/8"	4 1/2"	4 1/2"	4 7/16"	4 7/16"	4 1/2"	4 9/16"	4 5/8"	4 3/4"	4 3/4"	4 7/8"	6"	6 1/16"																																																							
		148+30.00 148+38.12 148+46.95																																																																															
		FS 32										Horiz Trans										FS 33										Horiz Trans										FS 34										CL Brg Pier 11																													
Span 11		0.00	0.05	0.10	0.15	0.17	0.20	0.25	0.30	0.35	0.39	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.77	0.80	0.85	0.90	0.95	1.00																																																								
		6.093	6.181	6.256	6.331	6.348	6.402	6.455	6.566	6.562	7.100	6.890	6.634	6.648	6.648	6.633	6.613	6.555	6.493	6.473	6.424	6.337	6.229	6.114	6.000																																																								
		6 1/16"	6 3/16"	6 1/4"	6 5/16"	6 3/8"	6 3/8"	6 7/16"	6 9/16"	6 9/16"	7 1/8"	6 7/8"	6 5/8"	6 5/8"	6 5/8"	6 5/8"	6 5/8"	6 5/8"	6 9/16"	6 1/2"	6 1/2"	6 7/16"	6 5/16"	6 1/4"	6 1/8"	6"																																																							

**Haunch Height**

From Top of Girder Web to Bottom of Slab

**Girder 3**

		128+38.16										128+48.87		128+53.33														
CL Brg Pier 2		FS 1										Horiz Trans		FS 2			FS 3										CL Pier 3	
0.00		0.27										0.49		0.61			0.83										1.00	
Span 3	6.000	5.868	5.735	5.625	5.520	5.425	5.390	5.357	5.297	5.253	5.232	5.232	5.254	5.318	5.328	5.405	5.492	5.578	5.654	5.724	5.752	5.830	5.906	5.988				
	6"	5 7/8"	5 3/4"	5 5/8"	5 1/2"	5 7/16"	5 3/8"	5 3/8"	5 5/16"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 5/16"	5 5/16"	5 3/8"	5 1/2"	5 9/16"	5 5/8"	5 3/4"	5 3/4"	5 13/16"	5 15/16"	5 15/16"	6"		

		130+41.50			130+58.38			130+59.75			131+50.99			131+60.00		131+69.24												
CL Pier 3		FS 4			Horiz Trans			FS 5			Horiz Trans		FS 6			FS 7										CL Pier 4		
0.00		0.14			0.15			0.33			0.42		0.67			0.86										1.00		
Span 4	5.988	6.086	6.195	6.300	6.310	6.317	6.429	6.550	6.653	6.684	6.677	6.616	6.546	6.465	6.276	6.068	5.874	5.752	5.712	5.749	5.923	5.773	5.819	5.832	5.878	5.921	5.976	
	6"	6 1/16"	6 3/16"	6 5/16"	6 5/16"	6 5/16"	6 7/16"	6 9/16"	6 5/8"	6 11/16"	6 11/16"	6 5/8"	6 9/16"	6 7/16"	6 1/4"	6 1/16"	5 7/8"	5 3/4"	5 11/16"	5 3/4"	5 15/16"	5 3/4"	5 13/16"	5 13/16"	5 7/8"	5 15/16"	6"	

CL Pier 4		FS 8			FS 9			FS 10										FS 11			CL Pier 5					
0.00		0.14			0.31			0.69										0.86			1.00					
Span 5	5.976	6.033	6.117	6.180	6.201	6.303	6.418	6.623	6.802	6.606	6.604	6.588	6.565	6.533	6.532	6.564	5.662	5.521	5.510	5.625	5.829	6.010	5.823	5.910	6.012	
	6"	6 1/16"	6 1/8"	6 3/16"	6 3/16"	6 5/16"	6 7/16"	6 5/8"	6 13/16"	6 5/8"	6 5/8"	6 9/16"	6 9/16"	6 9/16"	6 9/16"	6 9/16"	6 9/16"	5 11/16"	5 1/2"	5 1/2"	5 5/8"	5 13/16"	6"	5 13/16"	5 15/16"	6"

		139+39.98										139+55.73		139+58.98		139+77.98		139+87.35		139+96.98												
CL Pier 5		FS 12										Horiz Trans		Horiz Trans		FS 14			FS 15										CL Pier 6			
0.00		0.14										0.54		0.62		0.69			0.86										1.00			
Span 6	6.012	6.102	6.193	6.276	6.304	6.413	6.708	6.649	6.672	6.695	6.680	6.615	6.506	6.406	6.382	6.271	6.223	6.192	6.168	6.160	6.533	6.235	6.274	6.288	6.309	6.325	6.360					
	6"	6 1/8"	6 3/16"	6 1/4"	6 5/16"	6 7/16"	6 11/16"	6 5/8"	6 11/16"	6 11/16"	6 11/16"	6 5/8"	6 1/2"	6 7/16"	6 3/8"	6 1/4"	6 1/4"	6 3/16"	6 3/16"	6 3/16"	6 9/16"	6 1/4"	6 1/4"	6 5/16"	6 5/16"	6 5/16"	6 3/8"					

		141+82.50			141+87.74			142+00.00													144+27.50			144+37.44		144+45.00		
CL Pier 6		FS 16			Horiz Trans			FS 17			FS 18										FS 19		Horiz Trans		CL Pier 7			
0.00		0.15			0.16			0.34			0.66										0.85		0.88		1.00			
Span 7	6.360	6.392	6.429	6.718	6.694	6.569	6.518	6.583	6.642	6.660	6.651	6.586	6.471	6.324	6.177	6.079	6.220	6.274	6.182	6.154	6.190	6.248	6.252	6.268	6.289	6.331	6.360	
	6 3/8"	6 3/8"	6 7/16"	6 11/16"	6 11/16"	6 9/16"	6 1/2"	6 9/16"	6 5/8"	6 11/16"	6 5/8"	6 9/16"	6 1/2"	6 5/16"	6 3/16"	6 1/16"	6 1/4"	6 1/4"	6 3/16"	6 1/8"	6 3/16"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 5/16"	6 5/16"	6 3/8"

												147+77.57			147+88.68		147+95.08																		
CL Pier 7		FS 20										FS 21			FS 22			Horiz Trans			FS 23										CL Pier 8				
0.00		0.15										0.34			0.66			0.85			0.88			0.90										1.00	
Span 8	6.360	6.396	6.392	6.510	6.511	6.518	6.512	5.642	5.812	5.730	5.431	5.327	5.118	4.976	4.867	4.751	4.732	4.933	4.890	4.869	4.765	4.749	4.842	4.869	4.915	5.060									
	6 3/8"	6 3/8"	6 3/8"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	5 5/8"	5 13/16"	5 3/4"	5 7/16"	5 5/16"	5 1/8"	5"	4 7/8"	4 3/4"	4 3/4"	4 15/16"	4 7/8"	4 7/8"	4 3/4"	4 3/4"	4 13/16"	4 7/8"	4 15/16"	5 1/16"									

		148+30.00			148+38.12			148+46.68																			
CL Pier 8		Horiz Trans			FS 24			FS 25			FS 26										FS 27			CL Pier 9			
0.00		0.02			0.15			0.36			0.64										0.85			1.00			
Span 9	5.060	5.069	5.140	5.204	5.298	5.302	5.277	5.322	5.218	5.752	5.906	5.360	5.292	5.199	5.102	5.065	5.548	5.404	5.081	5.122	5.189	5.180	5.182	5.173	5.137	5.096	
	5 1/16"	5 1/16"	5 1/8"	5 3/16"	5 5/16"	5 5/16"	5 1/4"	5 5/16"	5 3/16"	5 3/4"	5 15/16"	5 3/8"	5 5/16"	5 3/16"	5 1/8"	5 1/16"	5 9/16"	5 3/8"	5 1/16"	5 1/8"	5 3/16"	5 3/16"	5 3/16"	5 3/16"	5 1/8"	5 1/8"	

CL Pier 9		FS 28			FS 29			FS 30										FS 31			CL Pier 10					
0.00		0.15			0.35			0.65										0.85			1.00					
Span 10	5.096	5.046	4.997	4.932	4.928	4.893	4.847	5.361	4.774	4.772	4.706	4.618	4.531	4.442	4.395	4.388	4.390	4.437	4.518	4.624	4.736	4.742	4.853	5.967	6.085	
	5 1/8"	5 1/16"	5"	4 15/16"	4 15/16"	4 7/8"	4 7/8"	5 3/8"	4 3/4"	4 3/4"	4 11/16"	4 5/8"	4 1/2"	4 7/16"	4 3/8"	4 3/8"	4 3/8"	4 7/16"	4 1/2"	4 5/8"	4 3/4"	4 3/4"	4 7/8"	5 15/16"	6 1/16"	

CL Pier 10		FS 32			FS 33			FS 34										CL Brg Pier 11							
0.00		0.17			0.39			0.73										1.00							
Span 11	6.085	6.173	6.260	6.340	6.360	6.409	6.478	6.539	6.600	7.136	6.977	6.660	6.675	6.678	6.653	6.613	6.564	6.533	6.511	6.418	6.336	6.230	6.126	6.000	
	6 1/16"	6 3/16"	6 1/4"	6 5/16"	6 3/8"	6 7/16"	6 1/2"	6 9/16"	6 5/8"	7 1/8"	7"	6 11/16"	6 11/16"	6 11/16"	6 5/8"	6 5/8"	6 9/16"	6 9/16"	6 1/2"	6 7/16"	6 5/16"	6 1/4"	6 1/8"	6"	

**Haunch Height**

From Top of Girder Web to Bottom of Slab

**Girder 4**

		128+39.63										128+48.87		128+54.66																							
		CL Brg Pier 2										Horiz Trans		FS 2										CL Pier 3													
		0.00	0.05	0.10	0.15	0.20	0.25	0.28	0.30	0.35	0.40	0.45	0.48	0.50	0.55	0.60	0.60	0.65	0.70	0.75	0.80	0.83	0.85	0.90	0.95	1.00											
Span 3		6.000	5.858	5.718	5.597	5.485	5.403	5.376	5.331	5.267	5.237	5.214	5.215	5.226	5.256	5.324	5.328	5.412	5.506	5.595	5.682	5.736	5.766	5.856	5.938	6.024											
		6"	5 7/8"	5 11/16"	5 5/8"	5 1/2"	5 3/8"	5 3/8"	5 5/16"	5 1/4"	5 1/4"	5 3/16"	5 3/16"	5 1/4"	5 1/4"	5 5/16"	5 5/16"	5 7/16"	5 1/2"	5 5/8"	5 11/16"	5 3/4"	5 3/4"	5 7/8"	5 15/16"	6"											
		130+41.50										130+58.38		130+59.75																							
		CL Pier 3										Horiz Trans		FS 5										CL Pier 4													
		0.00	0.05	0.10	0.14	0.15	0.15	0.20	0.25	0.30	0.33	0.35	0.40	0.42	0.45	0.50	0.55	0.60	0.65	0.67	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00									
Span 4		6.024	6.124	6.219	6.300	6.311	6.320	6.417	6.525	6.628	6.648	6.642	6.580	6.510	6.435	6.240	6.056	5.886	5.763	5.724	5.785	5.945	5.798	5.860	5.868	5.915	5.969	6.012									
		6"	6 1/8"	6 1/4"	6 5/16"	6 5/16"	6 5/16"	6 7/16"	6 1/2"	6 5/8"	6 5/8"	6 5/8"	6 9/16"	6 1/2"	6 7/16"	6 1/4"	6 1/16"	5 7/8"	5 3/4"	5 3/4"	5 13/16"	5 15/16"	5 13/16"	5 7/8"	5 7/8"	5 15/16"	6"	6"									
		139+40.04										139+55.76		139+59.05										139+78.05		139+87.35										139+97.06	
		CL Pier 4										Horiz Trans		FS 10										CL Pier 5													
		0.00	0.05	0.10	0.14	0.15	0.20	0.25	0.30	0.31	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.69	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00											
Span 5		6.012	6.069	6.129	6.168	6.195	6.285	6.372	6.551	6.730	6.499	6.476	6.423	6.361	6.314	6.276	6.288	5.508	5.516	5.588	5.686	5.876	6.046	5.862	5.945	6.036											
		6"	6 1/16"	6 1/8"	6 3/16"	6 3/16"	6 5/16"	6 3/8"	6 9/16"	6 3/4"	6 1/2"	6 1/2"	6 7/16"	6 3/8"	6 5/16"	6 1/4"	6 5/16"	5 1/2"	5 1/2"	5 9/16"	5 11/16"	5 7/8"	6 1/16"	5 7/8"	5 15/16"	6 1/16"											
		141+82.50										141+87.74		142+00.00										144+27.50										144+37.44		144+45.00	
		CL Pier 5										Horiz Trans		FS 13										CL Pier 6													
		0.00	0.05	0.10	0.14	0.15	0.20	0.25	0.30	0.31	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.62	0.65	0.69	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00									
Span 6		6.036	6.105	6.186	6.240	6.267	6.362	6.636	6.569	6.600	6.612	6.584	6.506	6.421	6.318	6.300	6.202	6.163	6.132	6.120	6.120	6.499	6.233	6.293	6.312	6.333	6.374	6.396									
		6 1/16"	6 1/8"	6 3/16"	6 1/4"	6 1/4"	6 3/8"	6 5/8"	6 9/16"	6 5/8"	6 5/8"	6 9/16"	6 1/2"	6 7/16"	6 5/16"	6 5/16"	6 3/16"	6 3/16"	6 1/8"	6 1/8"	6 1/8"	6 1/2"	6 1/4"	6 5/16"	6 5/16"	6 5/16"	6 3/8"	6 3/8"	6 3/8"								
		141+82.50										141+87.74		142+00.00										144+27.50										144+37.44		144+45.00	
		CL Pier 6										Horiz Trans		FS 17										CL Pier 7													
		0.00	0.05	0.10	0.15	0.15	0.20	0.25	0.30	0.34	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.88	0.90	0.95	1.00										
Span 7		6.396	6.428	6.467	6.754	6.730	6.606	6.554	6.605	6.666	6.684	6.675	6.610	6.495	6.360	6.231	6.115	6.257	6.310	6.218	6.190	6.229	6.296	6.300	6.328	6.349	6.391	6.420									
		6 3/8"	6 7/16"	6 7/16"	6 3/4"	6 3/4"	6 5/8"	6 9/16"	6 5/8"	6 11/16"	6 11/16"	6 11/16"	6 5/8"	6 1/2"	6 3/8"	6 1/4"	6 1/8"	6 1/4"	6 5/16"	6 3/16"	6 3/16"	6 1/4"	6 5/16"	6 5/16"	6 5/16"	6 3/8"	6 3/8"	6 7/16"									
		147+77.45										147+88.68		147+94.94																							
		CL Pier 7										Horiz Trans		FS 21										CL Pier 8													
		0.00	0.05	0.10	0.15	0.15	0.20	0.25	0.30	0.34	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.88	0.90	0.95	1.00										
Span 8		6.420	6.467	6.467	6.486	6.486	6.518	6.619	5.636	5.823	5.747	5.438	5.273	5.074	4.993	4.860	4.750	4.731	4.837	4.727	4.787	4.948	4.962	5.016	5.028	4.945	4.952										
		6 7/16"	6 7/16"	6 7/16"	6 1/2"	6 1/2"	6 1/2"	6 5/8"	5 5/8"	5 13/16"	5 3/4"	5 7/16"	5 1/4"	5 1/16"	5"	4 7/8"	4 3/4"	4 3/4"	4 13/16"	4 3/4"	4 13/16"	4 15/16"	4 15/16"	5"	5"	4 15/16"	4 15/16"										
		148+30.00										148+38.12		148+46.40																							
		CL Pier 8										Horiz Trans		FS 24										CL Pier 9													
		0.00	0.02	0.05	0.10	0.15	0.16	0.20	0.25	0.30	0.35	0.36	0.40	0.45	0.50	0.55	0.60	0.64	0.65	0.70	0.75	0.80	0.84	0.85	0.90	0.95	1.00										
Span 9		4.952	4.941	4.919	4.961	4.974	4.986	5.060	5.151	5.319	5.504	5.768	5.411	5.246	5.211	5.203	5.149	5.632	5.226	5.121	5.140	5.132	5.144	5.141	5.118	5.098	5.072										
		4 15/16"	4 15/16"	4 15/16"	4 15/16"	5"	5"	5 1/16"	5 1/8"	5 5/16"	5 1/2"	5 3/4"	5 7/16"	5 1/4"	5 3/16"	5 3/16"	5 1/8"	5 5/8"	5 1/4"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"										
		147+77.45										147+88.68		147+94.94																							
		CL Pier 9										Horiz Trans		FS 29										CL Pier 10													
		0.00	0.05	0.10	0.15	0.16	0.20	0.25	0.30	0.35	0.36	0.40	0.45	0.50	0.55	0.60	0.64	0.65	0.70	0.75	0.80	0.84	0.85	0.90	0.95	1.00											
Span 10		5.072	5.009	4.958	4.902	4.892	4.852	4.791	5.431	4.695	4.688	4.649	4.567	4.488	4.417	4.372	4.364	4.375	4.897	4.500	4.600	4.700	4.716	4.839	4.944	5.725											
		5 1/16"	5"	4 15/16"	4 7/8"	4 7/8"	4 7/8"	4 13/16"	5 7/16"	4 11/16"	4 11/16"	4 5/8"	4 9/16"	4 1/2"	4 7/16"	4 3/8"	4 3/8"	4 3/8"	4 7/8"	4 1/2"	4 5/8"	4 11/16"	4 11/16"	4 13/16"	4 15/16"	5 3/4"											
		148+30.00										148+38.12		148+46.40																							
		CL Pier 10										Horiz Trans		FS 32										CL Brg Pier 11													
		0.00	0.05	0.10	0.15	0.17	0.20	0.25	0.30	0.35	0.39	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.75	0.80	0.85	0.90	0.95	1.00												
Span 11		5.725	6.142	6.230	6.310	6.348	6.288	6.466	6.599	6.599	7.136	6.945	6.660	6.672	6.665	6.639	6.595	6.545	6.480	6.477	6.408	6.319	6.229	6.111	6.000												
		5 3/4"	6 1/8"	6 1/4"	6 5/16"	6 3/8"	6 5/16"	6 7/16"	6 5/8"	6 5/8"	7 1/8"	6 15/16"	6 11/16"	6 11/16"	6 11/16"	6 5/8"	6 5/8"	6 9/16"	6 1/2"	6 1/2"	6 7/16"	6 5/16"	6 1/4"	6 1/8"	6"												

**Haunch Height**

From Top of Girder Web to Bottom of Slab

**Girder 5**

		128+41.09										128+48.88		128+55.99																											
		CL Brg Pier 2										Horiz Trans		FS 1										FS 2		FS 3										CL Pier 3					
		0.00	0.05	0.10	0.15	0.20	0.25	0.28	0.30	0.35	0.40	0.45	0.48	0.50	0.55	0.60	0.60	0.65	0.70	0.75	0.80	0.83	0.85	0.90	0.95	1.00															
Span 3		6.000	5.801	5.623	5.464	5.317	5.195	5.140	5.104	5.046	5.011	5.012	5.026	5.047	5.121	5.232	5.235	5.357	5.492	5.610	5.724	5.784	5.827	5.918	6.007	6.084															
		6"	5 13/16"	5 5/8"	5 7/16"	5 5/16"	5 3/16"	5 1/8"	5 1/8"	5 1/16"	5"	5"	5"	5 1/16"	5 1/8"	5 1/4"	5 1/4"	5 3/8"	5 1/2"	5 5/8"	5 3/4"	5 13/16"	5 13/16"	5 15/16"	6"	6 1/16"															
		130+41.50										130+58.38		130+59.75																											
		CL Pier 3										Horiz Trans		FS 4										FS 5		FS 6										FS 7		CL Pier 4			
		0.00	0.05	0.10	0.14	0.15	0.15	0.20	0.25	0.30	0.33	0.35	0.40	0.42	0.45	0.50	0.55	0.60	0.65	0.67	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00													
Span 4		6.084	6.172	6.254	6.336	6.342	6.348	6.417	6.498	6.548	6.564	6.545	6.449	6.386	6.304	6.120	5.943	5.803	5.719	5.700	5.785	5.953	5.835	5.904	5.916	5.963	6.027	6.072													
		6 1/16"	6 3/16"	6 1/4"	6 5/16"	6 5/16"	6 3/8"	6 7/16"	6 1/2"	6 9/16"	6 9/16"	6 9/16"	6 7/16"	6 3/8"	6 5/16"	6 1/8"	5 15/16"	5 13/16"	5 3/4"	5 11/16"	5 13/16"	5 15/16"	5 13/16"	5 7/8"	5 15/16"	5 15/16"	6"	6 1/16"													
		139+40.10										139+55.77		139+59.11										139+78.13		139+87.35										139+97.14					
		CL Pier 4										Horiz Trans		FS 8										FS 9		FS 10										FS 11		CL Pier 5			
		0.00	0.05	0.10	0.14	0.15	0.20	0.25	0.30	0.31	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.69	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00															
Span 5		6.072	6.118	6.171	6.204	6.211	6.258	6.312	6.427	6.598	6.332	6.248	6.159	6.073	5.990	5.952	5.964	5.532	5.548	5.641	5.737	5.939	6.106	5.910	5.991	6.060															
		6 1/16"	6 1/8"	6 3/16"	6 3/16"	6 3/16"	6 1/4"	6 5/16"	6 7/16"	6 5/8"	6 5/16"	6 1/4"	6 3/16"	6 1/16"	6"	5 15/16"	5 15/16"	5 9/16"	5 9/16"	5 5/8"	5 3/4"	5 15/16"	6 1/8"	5 15/16"	6"	6 1/16"															
		141+82.50										141+87.74		142+00.00																											
		CL Pier 5										Horiz Trans		FS 12										FS 13		FS 14										FS 15		CL Pier 6			
		0.00	0.05	0.10	0.14	0.15	0.20	0.25	0.30	0.31	0.35	0.40	0.45	0.50	0.54	0.55	0.60	0.62	0.65	0.69	0.70	0.75	0.80	0.85	0.86	0.90	0.95	1.00													
Span 6		6.060	6.127	6.198	6.240	6.267	6.333	6.568	6.468	6.468	6.480	6.416	6.338	6.229	6.161	6.144	6.077	6.058	6.048	6.048	6.064	6.454	6.195	6.268	6.288	6.321	6.375	6.420													
		6 1/16"	6 1/8"	6 3/16"	6 1/4"	6 1/4"	6 5/16"	6 9/16"	6 7/16"	6 7/16"	6 1/2"	6 7/16"	6 5/16"	6 1/4"	6 3/16"	6 1/8"	6 1/16"	6 1/16"	6 1/16"	6 1/16"	6 1/16"	6 7/16"	6 3/16"	6 1/4"	6 5/16"	6 5/16"	6 3/8"	6 7/16"													
		144+27.50										144+37.44		144+45.00																											
		CL Pier 6										Horiz Trans		FS 16										FS 17		FS 18										FS 19		Horiz Trans		CL Pier 7	
		0.00	0.05	0.10	0.15	0.15	0.20	0.25	0.30	0.34	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.88	0.90	0.95	1.00														
Span 7		6.420	6.472	6.523	6.814	6.790	6.666	6.614	6.664	6.702	6.708	6.697	6.622	6.498	6.360	6.243	6.167	6.335	6.394	6.308	6.286	6.334	6.392	6.396	6.424	6.446	6.484	6.516													
		6 7/16"	6 1/2"	6 1/2"	6 13/16"	6 13/16"	6 11/16"	6 5/8"	6 11/16"	6 11/16"	6 11/16"	6 11/16"	6 5/8"	6 1/2"	6 3/8"	6 1/4"	6 3/16"	6 5/16"	6 3/8"	6 5/16"	6 5/16"	6 5/16"	6 3/8"	6 3/8"	6 7/16"	6 7/16"	6 1/2"	6 1/2"													
		147+77.32										147+88.68		147+94.81																											
		CL Pier 7										Horiz Trans		FS 20										FS 21		FS 22										FS 23		Horiz Trans		CL Pier 8	
		0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.34	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.66	0.70	0.75	0.80	0.85	0.85	0.88	0.90	0.95	1.00															
Span 8		6.516	6.553	6.588	6.606	6.609	6.637	6.646	5.653	5.847	5.764	5.426	5.263	5.090	4.927	4.795	4.642	4.608	4.741	4.541	4.690	4.971	4.984	5.079	5.093	4.959	4.808														
		6 1/2"	6 9/16"	6 9/16"	6 5/8"	6 5/8"	6 5/8"	6 5/8"	5 5/8"	5 7/8"	5 3/4"	5 7/16"	5 1/4"	5 1/16"	4 15/16"	4 13/16"	4 5/8"	4 5/8"	4 3/4"	4 9/16"	4 11/16"	5"	5"	5 1/16"	5 1/16"	4 15/16"	4 13/16"														
		148+30.00										148+38.12		148+46.13																											
		CL Pier 8										Horiz Trans		FS 24										FS 25		FS 26										FS 27		CL Pier 9			
		0.00	0.03	0.05	0.10	0.15	0.16	0.20	0.25	0.30	0.35	0.37	0.40	0.45	0.50	0.55	0.60	0.63	0.65	0.70	0.75	0.80	0.83	0.85	0.90	0.95	1.00														
Span 9		4.808	4.787	4.785	4.764	4.835	4.857	4.891	5.045	5.257	5.239	5.609	5.343	5.202	5.204	5.249	5.239	5.692	5.187	5.180	5.180	5.177	5.168	5.161	5.125	5.091	5.048														
		4 13/16"	4 13/16"	4 13/16"	4 3/4"	4 13/16"	4 7/8"	4 7/8"	5 1/16"	5 1/4"	5 1/4"	5 5/8"	5 5/16"	5 3/16"	5 3/16"	5 1/4"	5 1/4"	5 11/16"	5 3/16"	5 3/16"	5 3/16"	5 3/16"	5 3/16"	5 3/16"	5 3/16"	5 1/8"	5 1/16"														
		147+30.00										147+38.12		147+46.13																											
		CL Pier 9										Horiz Trans		FS 28										FS 29		FS 30										FS 31		CL Pier 10			
		0.00	0.05	0.10	0.15	0.16	0.20	0.25	0.30	0.35	0.37	0.40	0.45	0.50	0.55	0.60	0.63	0.65	0.70	0.75	0.80	0.84	0.85	0.90	0.95	1.00															
Span 10		5.048	4.995	4.936	4.870	4.868	4.817	4.740	4.893	4.619	4.604	4.577	4.522	4.473	4.412	4.412	4.412	4.421	4.468	4.545	4.634	4.712	4.735	4.849	4.961	5.066															
		5 1/16"	5"	4 15/16"	4 7/8"	4 7/8"	4 13/16"	4 3/4"	4 7/8"	4 5/8"	4 5/8"	4 9/16"	4 1/2"	4 1/2"	4 7/16"	4 7/16"	4 7/16"	4 7/16"	4 7/16"	4 7/16"	4 9/16"	4 5/8"	4 11/16"	4 3/4"	4 7/8"	4 15/16"	5 1/16"														
		147+30.00										147+38.12		147+46.13																											
		CL Pier 10										Horiz Trans		FS 32										FS 33		FS 34										CL Brg Pier 11					
		0.00	0.05	0.10	0.15	0.17	0.20	0.25	0.30	0.35	0.39	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.77	0.80	0.85	0.90	0.95	1.00																
Span 11		5.066	6.159	6.243	6.327	6.360	6.408	6.462	6.525	6.599	7.100	6.969	6.611	6.612	6.603	6.577	6.543	6.492	6.439	6.404	6.362	6.283	6.198	6.098	6.000																
		5 1/16"	6 3/16"	6 1/4"	6 5/16"	6 3/8"	6 7/16"	6 7/16"	6 1/2"	6 5/8"	7 1/8"	7"	6 5/8"	6 5/8"	6 5/8"	6 9/16"	6 9/16"	6 1/2"	6 7/16"	6 3/8"	6 3/8"	6 5/16"	6 3/16"	6 1/8"	6"																

<b>HNTB</b> The HNTB Companies For <b>Cleveland Innerbelt - Unit 2</b>	Made	SJL	Date	6/5/2012	Job Number	49633
	Checked	DJG	Date	6/13/2012		
	Backchk'd	SJL	Date	6/18/2012	Sheet No.	

\\kcow00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check[All\_diaphragms\_geometry\_2012-5-22.xlsm]Type A

**1-Stringer Standard Diaphragm - Type A**

Label	Group	Offset	Station	Top of Deck		Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>n</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist to top of Girder Web (ft)	Optional Input		Actual Dist from top of slab to top of Girder Web (ft)	Actual Dist from top of slab to top of Girder Web (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (in)	Girder Haunch (Bottom of Slab to Top of Web) (in)	Final Top of Girder Web Elev. (Left)	Final Top of Girder Web Elev. (Right)
				Elevation	Elev Diff btwn Points (ft)						Elev Diff btwn Girders (in)	Δ in Bearing Height Elev. (ft)							
A1	GDR1	-54.911	127+21.30	701.218															
A1	STRINGERA	-44.682	127+21.30	701.314	-0.096	-1.15	G1-SA	10.229	8.000	1.2500	0.000	0.034	0.022	1.216	0.7500	5.592		700.002	
A1	GDR2	-34.421	127+21.30	701.109	0.205	2.46	SA-G2	10.261	8.000	1.2500	0.000			1.228	0.7500		5.736	700.002	699.881
A1	STRINGERC	-23.149	127+21.30	700.883	0.226	2.71	G2-SC	11.272	8.000	1.2500	0.000	0.022		1.228	0.7500		5.736	699.881	699.881
A1	GDR3	-11.947	127+21.30	700.659	0.224	2.69	SC-G3	11.202	8.000	1.2500	0.000		0.017	1.233	0.7500		5.796	699.881	699.426
A1	STRINGERE	-0.68	127+21.30	700.434	0.225	2.70	G3-SE	11.267	8.000	1.2500	0.000	0.017		1.233	0.7500		5.796	699.426	699.426
A1	GDR4	10.527	127+21.30	700.21	0.224	2.69	SE-G4	11.207	8.000	1.2500	0.000		0.016	1.234	0.7500		5.808	699.426	698.976
A1	STRINGERG	21.789	127+21.30	699.984	0.226	2.71	G4-SG	11.262	8.000	1.2500	0.000	0.016		1.234	0.7500		5.808	699.426	698.976
A1	GDR5	33	127+21.30	699.76	0.224	2.69	SG-G5	11.211	8.000	1.2500	0.000		0.019	1.231	0.7500		5.772	699.426	698.529
A2	GDR1	-54.241	127+46.05	701.407															
A2	STRINGERA	-44.23	127+46.05	701.506	-0.099	-1.19	G1-SA	10.011	8.000	1.2500	0.000	0.058		1.192	0.7500		5.304	700.215	
A2	GDR2	-34.207	127+46.05	701.306	0.200	2.40	SA-G2	10.023	8.000	1.2500	0.000		0.039	1.211	0.7500		5.532	700.215	700.095
A2	STRINGERC	-22.984	127+46.05	701.081	0.225	2.70	G2-SC	11.223	8.000	1.2500	0.000	0.039		1.211	0.7500		5.532	700.095	700.095
A2	GDR3	-11.804	127+46.05	700.858	0.223	2.68	SC-G3	11.180	8.000	1.2500	0.000		0.032	1.218	0.7500		5.616	700.095	699.640
A2	STRINGERE	-0.583	127+46.05	700.633	0.225	2.70	G3-SE	11.221	8.000	1.2500	0.000	0.032		1.218	0.7500		5.616	699.640	699.640
A2	GDR4	10.598	127+46.05	700.41	0.223	2.68	SE-G4	11.181	8.000	1.2500	0.000		0.033	1.217	0.7500		5.604	699.640	699.193
A2	STRINGERG	21.818	127+46.05	700.185	0.225	2.70	G4-SG	11.220	8.000	1.2500	0.000	0.033		1.217	0.7500		5.604	699.193	699.193
A2	GDR5	33	127+46.05	699.962	0.223	2.68	SG-G5	11.182	8.000	1.2500	0.000		0.042	1.208	0.7500		5.496	699.193	698.754
A3	GDR1	-53.715	127+70.80	701.598															
A3	STRINGERA	-43.858	127+70.80	701.701	-0.103	-1.24	G1-SA	9.857	8.000	1.2500	0.000	0.078		1.172	0.7500		5.064	700.426	
A3	GDR2	-33.992	127+70.80	701.503	0.198	2.38	SA-G2	9.866	8.000	1.2500	0.000		0.054	1.196	0.7500		5.352	700.426	700.307
A3	STRINGERC	-22.8	127+70.80	701.279	0.224	2.69	G2-SC	11.192	8.000	1.2500	0.000	0.054		1.196	0.7500		5.352	700.307	700.307
A3	GDR3	-11.661	127+70.80	701.057	0.222	2.66	SC-G3	11.139	8.000	1.2500	0.000		0.046	1.204	0.7500		5.448	700.307	699.853
A3	STRINGERE	-0.469	127+70.80	700.833	0.224	2.69	G3-SE	11.192	8.000	1.2500	0.000	0.046		1.204	0.7500		5.448	699.853	699.853
A3	GDR4	10.67	127+70.80	700.61	0.223	2.68	SE-G4	11.139	8.000	1.2500	0.000		0.047	1.203	0.7500		5.436	699.853	699.407
A3	STRINGERG	21.862	127+70.80	700.386	0.224	2.69	G4-SG	11.192	8.000	1.2500	0.000	0.047		1.203	0.7500		5.436	699.407	699.407
A3	GDR5	33	127+70.80	700.163	0.223	2.68	SG-G5	11.138	8.000	1.2500	0.000		0.062	1.188	0.7500		5.256	699.407	698.975
A4	GDR1	-53.334	127+95.55	701.792															
A4	STRINGERA	-43.559	127+95.55	701.896	-0.104	-1.25	G1-SA	9.775	8.000	1.2500	0.000	0.090		1.160	0.7500		4.920	700.632	
A4	GDR2	-33.778	127+95.55	701.701	0.195	2.34	SA-G2	9.781	8.000	1.2500	0.000		0.065	1.185	0.7500		5.220	700.632	700.516
A4	STRINGERC	-22.629	127+95.55	701.478	0.223	2.68	G2-SC	11.149	8.000	1.2500	0.000	0.065		1.185	0.7500		5.220	700.516	700.516
A4	GDR3	-11.518	127+95.55	701.255	0.223	2.68	SC-G3	11.111	8.000	1.2500	0.000		0.055	1.195	0.7500		5.340	700.516	700.060
A4	STRINGERE	-0.37	127+95.55	701.032	0.223	2.68	G3-SE	11.148	8.000	1.2500	0.000	0.055		1.195	0.7500		5.340	700.060	700.060
A4	GDR4	10.741	127+95.55	700.81	0.222	2.66	SE-G4	11.111	8.000	1.2500	0.000		0.057	1.193	0.7500		5.316	700.060	699.617
A4	STRINGERG	21.89	127+95.55	700.587	0.223	2.68	G4-SG	11.149	8.000	1.2500	0.000	0.057		1.193	0.7500		5.316	699.617	699.617
A4	GDR5	33	127+95.55	700.365	0.222	2.66	SG-G5	11.110	8.000	1.2500	0.000		0.075	1.175	0.7500		5.100	699.617	699.190
A5	GDR1	-53.096	128+20.30	701.989															
A5	STRINGERA	-43.333	128+20.30	702.093	-0.104	-1.25	G1-SA	9.763	8.000	1.2500	0.000	0.097		1.153	0.7500		4.836	700.836	
A5	GDR2	-33.564	128+20.30	701.898	0.195	2.34	SA-G2	9.769	8.000	1.2500	0.000		0.072	1.178	0.7500		5.136	700.836	700.720
A5	STRINGERC	-22.443	128+20.30	701.676	0.222	2.66	G2-SC	11.121	8.000	1.2500	0.000	0.072		1.178	0.7500		5.136	700.720	700.720
A5	GDR3	-11.376	128+20.30	701.454	0.222	2.66	SC-G3	11.067	8.000	1.2500	0.000		0.062	1.188	0.7500		5.256	700.720	700.266
A5	STRINGERE	-0.255	128+20.30	701.232	0.222	2.66	G3-SE	11.121	8.000	1.2500	0.000	0.062		1.188	0.7500		5.256	700.266	700.266
A5	GDR4	10.812	128+20.30	701.01	0.222	2.66	SE-G4	11.067	8.000	1.2500	0.000		0.063	1.187	0.7500		5.244	700.266	699.823
A5	STRINGERG	21.933	128+20.30	700.788	0.222	2.66	G4-SG	11.121	8.000	1.2500	0.000	0.063		1.187	0.7500		5.244	699.823	699.823
A5	GDR5	33	128+20.30	700.567	0.221	2.65	SG-G5	11.067	8.000	1.2500	0.000		0.082	1.168	0.7500		5.016	699.823	699.399
A6	GDR1	-53.002	128+45.05	702.188															
A6	STRINGERA	-43.177	128+45.05	702.292	-0.104	-1.25	G1-SA	9.825	8.000	1.2500	0.000	0.094		1.156	0.7500		4.872	701.032	
A6	GDR2	-33.349	128+45.05	702.095	0.197	2.36	SA-G2	9.828	8.000	1.2500	0.000		0.074	1.176	0.7500		5.112	701.032	700.919
A6	STRINGERC	-22.272	128+45.05	701.874	0.221	2.65	G2-SC	11.077	8.000	1.2500	0.000	0.074		1.176	0.7500		5.112	700.919	700.919
A6	GDR3	-11.233	128+45.05	701.653	0.221	2.65	SC-G3	11.039	8.000	1.2500	0.000		0.064	1.186	0.7500		5.232	700.919	700.467
A6	STRINGERE	-0.155	128+45.05	701.431	0.222	2.66	G3-SE	11.078	8.000	1.2500	0.000	0.064		1.186	0.7500		5.232	700.467	700.467
A6	GDR4	10.884	128+45.05	701.211	0.220	2.64	SE-G4	11.039	8.000	1.2500	0.000		0.066	1.184	0.7500		5.208	700.467	700.027
A6	STRINGERG	21.961	128+45.05	700.989	0.222	2.66	G4-SG	11.077	8.000	1.2500	0.000	0.066		1.184	0.7500		5.208	700.027	700.027
A6	GDR5	33	128+45.05	700.768	0.221	2.65	SG-G5	11.039	8.000	1.2500	0.000		0.082	1.168	0.7500		5.016	700.027	699.600

Assumed Girder flange height = 2 in																									
Final Dead Load Defl. Left Girder (ft)	Final Dead Load Defl. Right Girder (ft)	No Load Top of Girder Web Elev. (Left)	No Load Top of Girder Web Elev. (Right)	(SW <sub>o</sub> ) No Load Top of Girder Web Cross-slope G1-G2 (%)	(SW <sub>e</sub> ) Final Top of Girder Web Cross-slope G1-G2 (%)	(SS <sub>o</sub> ) Slope of Stringer line G1-G2 (%)	Str.	$\Delta_{g, str}$ (ft)	No Load Top of Stringer Elev.	Final Stringer Haunch (in)	Depth of Stringer (ft)	Elev. Top of Diaphragm (ft)	Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)	Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)	Depth of Diaphragm (ft)	Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)	Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)	Proposed knee brace height Left (ft)	Proposed knee brace height Right (ft)	Diaph % of Girder Depth Left	Diaph % of Girder Depth Right	2" clr Room for Proposed knee brace? Left	2" clr Room for Proposed knee brace? Right	Clear below knee brace Left (in)	Clear below knee brace Right (in)
-0.425		700.427	700.282	0.708	0.591	2.115	A	0.2170	700.749	2.592	1.5521	699.197	1.230		2.3646	4.405		3.9167	3.9167	0.75	0.75	OK		5.86	7.60
-0.401	-0.401	700.282	700.282				C	0.2507	700.280	2.475	1.5521	698.728	1.554	1.085	2.3646	4.081	4.550	3.9167	3.9167	0.75	0.75	NG!	OK	1.97	
-0.353	-0.353	699.779	699.779				E	0.2553	699.772	2.432	1.5521	698.220	1.559	1.051	2.3646	4.077	4.584	3.9167	3.9167	0.75	0.75	NG!	OK	1.92	8.01
-0.291	-0.291	699.267	699.267				G	0.2594	699.256	2.347	1.5521	697.704	1.563	1.047	2.3646	4.073	4.589	3.9167	3.9167	0.75	0.75	NG!	OK	1.87	8.06
	-0.218	698.747	698.747											1.043	2.3646		4.593	3.9167	3.9167			OK			8.11
-0.746		700.961	700.831	0.649	0.599	2.045	A	0.2050	701.286	2.472	1.5521	699.734	1.227		2.3646	4.408		3.9167	3.9167	0.75	0.75	OK		5.90	
-0.736	-0.736	700.831	700.831				C	0.2520	700.828	2.268	1.5521	699.276	1.555	1.097	2.3646	4.080	4.538	3.9167	3.9167	0.75	0.75	NG!	OK	1.96	7.46
-0.686	-0.686	700.326	700.326				E	0.2635	700.312	2.118	1.5521	698.759	1.567	1.050	2.3646	4.069	4.585	3.9167	3.9167	0.75	0.75	NG!	OK	1.83	8.02
-0.605	-0.605	699.798	699.798				G	0.2745	699.773	1.878	1.5521	698.220	1.578	1.039	2.3646	4.058	4.597	3.9167	3.9167	0.75	0.75	NG!	OK	1.69	8.16
	-0.494	699.248	699.248											1.028	2.3646		4.608	3.9167	3.9167			OK			8.29
-0.989		701.415	701.296	0.603	0.603	2.007	A	0.1980	701.744	2.352	1.5521	700.192	1.223		2.3646	4.412		3.9167	3.9167	0.75	0.75	OK		5.95	
-0.989	-0.989	701.296	701.296				C	0.2509	701.294	2.101	1.5521	699.742	1.554	1.104	2.3646	4.081	4.531	3.9167	3.9167	0.75	0.75	NG!	OK	1.97	7.38
-0.940	-0.940	700.793	700.793				E	0.2689	700.773	1.886	1.5521	699.221	1.572	1.051	2.3646	4.063	4.584	3.9167	3.9167	0.75	0.75	NG!	OK	1.76	8.01
-0.847	-0.847	700.254	700.254				G	0.2838	700.219	1.526	1.5521	698.667	1.587	1.033	2.3646	4.048	4.602	3.9167	3.9167	0.75	0.75	NG!	OK	1.58	8.23
	-0.710	699.685	699.685											1.018	2.3646		4.617	3.9167	3.9167			OK			8.41
-1.137		701.769	701.658	0.568	0.593	1.968	A	0.1925	702.100	2.250	1.5521	700.548	1.221		2.3646	4.415		3.9167	3.9167	0.75	0.75	OK		5.98	
-1.142	-1.142	701.658	701.658				C	0.2506	701.657	2.009	1.5521	700.104	1.554	1.110	2.3646	4.082	4.526	3.9167	3.9167	0.75	0.75	NG!	OK	1.98	7.31
-1.096	-1.096	701.156	701.156				E	0.2701	701.135	1.739	1.5521	699.583	1.573	1.052	2.3646	4.062	4.584	3.9167	3.9167	0.75	0.75	NG!	OK	1.75	8.01
-0.998	-0.998	700.615	700.615				G	0.2875	700.576	1.314	1.5521	699.024	1.591	1.032	2.3646	4.045	4.603	3.9167	3.9167	0.75	0.75	NG!	OK	1.54	8.24
	-0.849	700.039	700.039											1.015	2.3646		4.621	3.9167	3.9167			OK			8.45
-1.181		702.017	701.907	0.563	0.594	1.965	A	0.1920	702.349	2.172	1.5521	700.797	1.220		2.3646	4.415		3.9167	3.9167	0.75	0.75	OK		5.98	
-1.187	-1.187	701.907	701.907				C	0.2479	701.908	1.945	1.5521	700.356	1.551	1.110	2.3646	4.084	4.525	3.9167	3.9167	0.75	0.75	OK	OK	2.01	7.30
-1.144	-1.144	701.410	701.410				E	0.2683	701.390	1.688	1.5521	699.838	1.572	1.054	2.3646	4.064	4.581	3.9167	3.9167	0.75	0.75	NG!	OK	1.76	7.97
-1.049	-1.049	700.872	700.872				G	0.2848	700.836	1.250	1.5521	699.284	1.588	1.034	2.3646	4.047	4.602	3.9167	3.9167	0.75	0.75	NG!	OK	1.57	8.22
	-0.902	700.301	700.301											1.017	2.3646		4.618	3.9167	3.9167			OK			8.42
-1.129		702.161	702.050	0.565	0.575	1.994	A	0.1960	702.496	2.124	1.5521	700.944	1.217		2.3646	4.418		3.9167	3.9167	0.75	0.75	OK		6.02	
-1.131	-1.131	702.050	702.050				C	0.2456	702.054	1.937	1.5521	700.501	1.549	1.106	2.3646	4.087	4.529	3.9167	3.9167	0.75	0.75	OK	OK	2.04	7.35
-1.091	-1.091	701.558	701.558				E	0.2630	701.544	1.692	1.5521	699.992	1.566	1.057	2.3646	4.069	4.579	3.9167	3.9167	0.75	0.75	NG!	OK	1.83	7.95
-1.004	-1.004	701.031	701.031				G	0.2790	701.001	1.320	1.5521	699.449	1.582	1.039	2.3646	4.053	4.596	3.9167	3.9167	0.75	0.75	NG!	OK	1.64	8.16
	-0.872	700.472	700.472											1.023	2.3646		4.612	3.9167	3.9167			OK			8.35

1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck		Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>F</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)	Girder Haunch (Bottom of Slab to Top of Web) (Right) (in)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)
				Elevation	Elev Diff btwn Points (ft)						Elev Diff btwn Girders (in)	Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)							
A7	GDR1	-53	128+69.80	702.39																
A7	STRINGERA	-43.035	128+69.80	702.491	-0.101	-1.21	G1-SA	9.965	8.000	1.2500	0.000	0.084		1.166	0.7500	4.992		701.224		
A7	GDR2	-33.135	128+69.80	702.293	0.198	2.38	SA-G2	9.900		1.2500	0.000		0.069		1.181	0.7500	5.172		701.112	
A7	STRINGERC	-22.08	128+69.80	702.072	0.221	2.65	G2-SC	11.055	8.000	1.2500	0.000	0.069		1.181	0.7500	5.172		701.112		
A7	GDR3	-11.09	128+69.80	701.852	0.220	2.64	SC-G3	10.990	8.000	1.2500	0.000		0.062		1.188	0.7500	5.256		700.664	
A7	STRINGERE	-0.035	128+69.80	701.631	0.221	2.65	G3-SE	11.055	8.000	1.2500	0.000	0.062		1.188	0.7500	5.256		700.664		
A7	GDR4	10.955	128+69.80	701.411	0.220	2.64	SE-G4	10.990	8.000	1.2500	0.000		0.062		1.188	0.7500	5.256		700.223	
A7	STRINGERG	22.009	128+69.80	701.19	0.221	2.65	G4-SG	11.054	8.000	1.2500	0.000	0.062		1.188	0.7500	5.256		700.223		
A7	GDR5	33	128+69.80	700.97	0.220	2.64	SG-G5	10.991		1.2500	0.000		0.074		1.176	0.7500	5.112		699.794	
A8	GDR1	-53	128+94.60	702.592																
A8	STRINGERA	-42.928	128+94.48	702.69	-0.098	-1.18	G1-SA	10.072	8.315	1.2500	0.000	0.067		1.183	0.7500	5.196		701.409		
A8	GDR2	-32.922	128+94.37	702.489	0.201	2.41	SA-G2	10.006		1.2500	0.000		0.057		1.193	0.7500	5.316		701.296	
A8	STRINGERC	-21.903	128+94.25	702.267	0.222	2.66	G2-SC	11.019	8.315	1.2500	0.000	0.057		1.193	0.7500	5.316		701.296		
A8	GDR3	-10.949	128+94.12	702.047	0.220	2.64	SC-G3	10.954	8.315	1.2500	0.000		0.052		1.198	0.7500	5.376		700.849	
A8	STRINGERE	0.07	128+94.00	701.826	0.221	2.65	G3-SE	11.019	8.315	1.2500	0.000	0.052		1.198	0.7500	5.376		700.849		
A8	GDR4	11.025	128+93.88	701.606	0.220	2.64	SE-G4	10.955	8.315	1.2500	0.000		0.052		1.198	0.7500	5.376		700.408	
A8	STRINGERG	22.045	128+93.75	701.384	0.222	2.66	G4-SG	11.020	8.315	1.2500	0.000	0.052		1.198	0.7500	5.376		700.408		
A8	GDR5	33	128+93.63	701.164	0.220	2.64	SG-G5	10.955		1.2500	0.000		0.059		1.191	0.7500	5.292		699.973	
A9	GDR1	-53	129+19.46	702.795																
A9	STRINGERA	-42.835	129+19.37	702.891	-0.096	-1.15	G1-SA	10.165	10.879	1.2500	0.000	0.046		1.204	0.7500	5.448		701.591		
A9	GDR2	-32.706	129+19.29	702.687	0.204	2.45	SA-G2	10.129		1.2500	0.000		0.042		1.208	0.7500	5.496		701.479	
A9	STRINGERC	-21.738	129+19.19	702.467	0.220	2.64	G2-SC	10.968	10.879	1.2500	0.000	0.042		1.208	0.7500	5.496		701.479		
A9	GDR3	-10.805	129+19.09	702.248	0.219	2.63	SC-G3	10.933	10.879	1.2500	0.000		0.040		1.210	0.7500	5.520		701.038	
A9	STRINGERE	0.164	129+19.00	702.028	0.220	2.64	G3-SE	10.969	10.879	1.2500	0.000	0.040		1.210	0.7500	5.520		701.038		
A9	GDR4	11.097	129+18.90	701.808	0.220	2.64	SE-G4	10.933	10.879	1.2500	0.000		0.039		1.211	0.7500	5.532		700.597	
A9	STRINGERG	22.066	129+18.81	701.588	0.220	2.64	G4-SG	10.969	10.879	1.2500	0.000	0.039		1.211	0.7500	5.532		700.597		
A9	GDR5	33	129+18.71	701.369	0.219	2.63	SG-G5	10.934		1.2500	0.000		0.040		1.210	0.7500	5.520		700.159	
A10	GDR1	-53	129+60.57	703.13																
A10	STRINGERA	-42.681	129+60.53	703.223	-0.093	-1.12	G1-SA	10.319	8.000	1.2500	0.000	0.011		1.239	0.7500	5.868		701.891		
A10	GDR2	-32.349	129+60.48	703.016	0.207	2.48	SA-G2	10.332		1.2500	0.000		0.019		1.231	0.7500	5.772		701.785	
A10	STRINGERC	-21.463	129+60.43	702.798	0.218	2.62	G2-SC	10.886	8.000	1.2500	0.000	0.019		1.231	0.7500	5.772		701.785		
A10	GDR3	-10.566	129+60.38	702.579	0.219	2.63	SC-G3	10.897	8.000	1.2500	0.000		0.020		1.230	0.7500	5.760		701.349	
A10	STRINGERE	0.32	129+60.33	702.361	0.218	2.62	G3-SE	10.886	8.000	1.2500	0.000	0.020		1.230	0.7500	5.760		701.349		
A10	GDR4	11.217	129+60.28	702.143	0.218	2.62	SE-G4	10.897	8.000	1.2500	0.000		0.019		1.231	0.7500	5.772		700.912	
A10	STRINGERG	22.103	129+60.23	701.925	0.218	2.62	G4-SG	10.886	8.000	1.2500	0.000	0.019		1.231	0.7500	5.772		700.912		
A10	GDR5	33	129+60.18	701.706	0.219	2.63	SG-G5	10.897		1.2500	0.000		0.014		1.236	0.7500	5.832		700.470	
A11	GDR1	-53	129+82.79	703.311																
A11	STRINGERA	-42.603	129+82.76	703.402	-0.091	-1.09	G1-SA	10.397	8.000	1.2500	0.000	-0.002		1.252	0.7500	6.024		702.059		
A11	GDR2	-32.156	129+82.74	703.193	0.209	2.51	SA-G2	10.447		1.2500	0.000		0.007		1.243	0.7500	5.916		701.950	
A11	STRINGERC	-21.322	129+82.72	702.976	0.217	2.60	G2-SC	10.834	8.000	1.2500	0.000	0.007		1.243	0.7500	5.916		701.950		
A11	GDR3	-10.437	129+82.69	702.759	0.217	2.60	SC-G3	10.885	8.000	1.2500	0.000		0.009		1.241	0.7500	5.892		701.518	
A11	STRINGERE	0.397	129+82.67	702.542	0.217	2.60	G3-SE	10.834	8.000	1.2500	0.000	0.009		1.241	0.7500	5.892		701.518		
A11	GDR4	11.281	129+82.64	702.324	0.218	2.62	SE-G4	10.884	8.000	1.2500	0.000		0.007		1.243	0.7500	5.916		701.081	
A11	STRINGERG	22.115	129+82.62	702.107	0.217	2.60	G4-SG	10.834	8.000	1.2500	0.000	0.007		1.243	0.7500	5.916		701.081		
A11	GDR5	33	129+82.59	701.889	0.218	2.62	SG-G5	10.885		1.2500	0.000		0.002		1.248	0.7500	5.976		700.641	
A12	GDR1	-53	130+05.00	703.492																
A12	STRINGERA	-42.481	130+05.00	703.581	-0.089	-1.07	G1-SA	10.519	8.000	1.2500	0.000	-0.008		1.258	0.7500	6.096		702.234		
A12	GDR2	-31.963	130+05.00	703.371	0.210	2.52	SA-G2	10.518		1.2500	0.000		-0.002		1.252	0.7500	6.024		702.119	
A12	STRINGERC	-21.136	130+05.00	703.154	0.217	2.60	G2-SC	10.827	8.000	1.2500	0.000	-0.002		1.252	0.7500	6.024		702.119		
A12	GDR3	-10.308	130+05.00	702.938	0.216	2.59	SC-G3	10.828	8.000	1.2500	0.000		0.001		1.249	0.7500	5.988		701.689	
A12	STRINGERE	0.519	130+05.00	702.721	0.217	2.60	G3-SE	10.827	8.000	1.2500	0.000	0.001		1.249	0.7500	5.988		701.689		
A12	GDR4	11.346	130+05.00	702.505	0.216	2.59	SE-G4	10.827	8.000	1.2500	0.000		-0.002		1.252	0.7500	6.024		701.253	
A12	STRINGERG	22.173	130+05.00	702.288	0.217	2.60	G4-SG	10.827	8.000	1.2500	0.000	-0.002		1.252	0.7500	6.024		701.253		
A12	GDR5	33	130+05.00	702.072	0.216	2.59	SG-G5	10.827		1.2500	0.000		-0.007		1.257	0.7500	6.084		700.815	
A13	GDR1	-53	130+27.21	703.673																
A13	STRINGERA	-42.41	130+27.24	703.761	-0.088	-1.06	G1-SA	10.590	8.000	1.2500	0.000	-0.014		1.264	0.7500	6.168		702.409		
A13	GDR2	-31.77	130+27.26	703.548	0.213	2.56	SA-G2	10.640		1.2500	0.000		-0.012		1.262	0.7500	6.144		702.286	
A13	STRINGERC	-21	130+27.29	703.333	0.215	2.58	G2-SC	10.770	8.000	1.2500	0.000	-0.012		1.262	0.7500	6.144		702.286		
A13	GDR3	-10.179	130+27.31	703.117	0.216	2.59	SC-G3	10.821	8.000	1.2500	0.000		-0.008		1.258	0.7500	6.096		701.859	
A13	STRINGERE	0.59	130+27.33	702.902	0.215	2.58	G3-SE	10.769	8.000	1.2500	0.000	-0.008		1.258	0.7500	6.096		701.859		
A13	GDR4	11.41	130+27.36	702.685	0.217	2.60	SE-G4	10.820	8.000	1.2500	0.000		-0.011		1.261	0.7500	6.132		701.424	
A13	STRINGERG	22.18	130+27.38	702.47	0.215	2.58	G4-SG	10.770	8.000	1.2500	0.000	-0.011		1.261	0.7500	6.132		701.424		
A13	GDR5	33	130+27.41	702.254	0.216	2.59	SG-G5	10.820		1.2500	0.000		-0.015		1.265	0.7500	6.180		700.989	
A14	GDR1	-53	130+49.43	703.853																
A14	STRINGERA	-42.245	130+49.48	703.939	-0.086	-1.03	G1-SA	10.755	8.000	1.2500	0.000	-0.024		1.274	0.7500	6.288		702.579		
A14	GDR2	-31.577	130+49.52	703.726	0.213	2.56	SA-G2	10.668		1.2500	0.000		-0.023		1.273	0.7500	6.276		702.453	
A14	STRINGERC	-20.82	130+49.57	703.511	0.215	2.58	G2-SC	10.757	8.000	1.2500	0.000	-0.023		1.273						



<u>Final Dead Load Defl. Left Girder (ft)</u>	<u>Final Dead Load Defl. Right Girder (ft)</u>	<u>Top of Girder Web Elev. (Left)</u>	<u>Top of Girder Web Elev. (Right)</u>	<u>(SW<sub>1</sub>) No Load Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SW<sub>2</sub>) Final Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SS<sub>1</sub>) Slope of Stringer line G1-G2 (%)</u>	<u>Str.</u>	<u>Δ<sub>@ str</sub> (ft)</u>	<u>No Load Top of Stringer Elev.</u>	<u>Final Stringer Haunch (in)</u>	<u>Depth of Stringer (ft)</u>	<u>Elev. Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Depth of Diaphragm (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)</u>	<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>
-0.996	-0.992	702.220	702.104	0.584	0.564	2.020	A	0.2000	702.554	2.148	1.5521	701.002	1.218	1.102	2.3646	4.417	4.533	3.9167	3.9167	0.75	0.75	OK	OK	6.01	7.40
-0.992	-0.955	702.104	701.619				C	0.2418	702.111	1.995	1.5521	700.559	1.545	1.060	2.3646	4.090	4.575	3.9167	3.9167	0.75	0.75	OK	OK	2.08	7.90
-0.955	-0.882	701.619	701.105				E	0.2562	701.611	1.821	1.5521	700.059	1.560	1.046	2.3646	4.076	4.590	3.9167	3.9167	0.75	0.75	NG!	OK	1.91	8.07
-0.882	-0.773	701.105	700.567				G	0.2682	701.085	1.533	1.5521	699.533	1.572	1.034	2.3646	4.064	4.602	3.9167	3.9167	0.75	0.75	NG!	OK	1.76	8.22
-0.806	-0.798	702.215	702.094	0.603	0.563	2.049	A	0.2050	702.549	2.268	1.5521	700.997	1.218	1.097	2.3646	4.732	4.853	3.9167	3.9167	0.73	0.73	OK	OK	9.79	11.24
-0.798	-0.767	702.094	701.616				C	0.2383	702.104	2.156	1.5521	700.552	1.542	1.064	2.3646	4.409	4.887	3.9167	3.9167	0.73	0.73	OK	OK	5.90	11.64
-0.767	-0.712	701.616	701.120				E	0.2473	701.617	2.049	1.5521	700.065	1.551	1.055	2.3646	4.400	4.896	3.9167	3.9167	0.73	0.73	OK	OK	5.79	11.75
-0.712	-0.633	701.120	700.606				G	0.2562	701.112	1.857	1.5521	699.560	1.560	1.046	2.3646	4.391	4.905	3.9167	3.9167	0.73	0.73	OK	OK	5.69	11.85
-0.603	-0.591	702.194	702.070	0.611	0.552	2.073	A	0.2100	702.530	2.424	1.5521	700.978	1.216	1.092	2.3646	7.298	7.422	6	6	0.75	0.75	OK	OK	15.58	17.07
-0.591	-0.566	702.070	701.604				C	0.2326	702.087	2.356	1.5521	700.535	1.535	1.069	2.3646	6.979	7.445	6	6	0.75	0.75	OK	OK	11.75	17.34
-0.566	-0.527	701.604	701.124				E	0.2396	701.614	2.297	1.5521	700.062	1.542	1.062	2.3646	6.972	7.452	6	6	0.75	0.75	OK	OK	11.66	17.42
-0.527	-0.476	701.124	700.635				G	0.2441	701.129	2.219	1.5521	699.577	1.547	1.058	2.3646	6.967	7.456	6	6	0.75	0.75	OK	OK	11.61	17.48
-0.273	-0.312	702.164	702.097	0.324	0.513	1.815	A	0.1875	702.534	3.006	1.5521	700.982	1.182	1.115	2.3646	4.454	4.521	3.9167	3.9167	0.75	0.75	OK	OK	6.45	7.25
-0.312	-0.300	702.097	701.649				C	0.2241	702.123	2.699	1.5521	700.571	1.526	1.078	2.3646	4.109	4.557	3.9167	3.9167	0.75	0.75	OK	OK	2.31	7.69
-0.300	-0.284	701.649	701.196				E	0.2266	701.673	2.669	1.5521	700.121	1.528	1.075	2.3646	4.107	4.560	3.9167	3.9167	0.75	0.75	OK	OK	2.28	7.72
-0.284	-0.265	701.196	700.735				G	0.2306	701.216	2.693	1.5521	699.664	1.532	1.071	2.3646	4.103	4.564	3.9167	3.9167	0.75	0.75	OK	OK	2.23	7.77
-0.133	-0.183	702.192	702.133	0.283	0.523	1.761	A	0.1839	702.567	3.217	1.5521	701.015	1.177	1.118	2.3646	4.458	4.517	3.9167	3.9167	0.75	0.75	OK	OK	6.50	7.21
-0.183	-0.179	702.133	701.697				C	0.2185	702.166	2.874	1.5521	700.613	1.520	1.084	2.3646	4.116	4.552	3.9167	3.9167	0.75	0.75	OK	OK	2.39	7.62
-0.179	-0.175	701.697	701.256				E	0.2210	701.727	2.880	1.5521	700.175	1.522	1.081	2.3646	4.113	4.554	3.9167	3.9167	0.75	0.75	OK	OK	2.36	7.65
-0.175	-0.166	701.256	700.807				G	0.2250	701.282	2.892	1.5521	699.730	1.526	1.077	2.3646	4.109	4.558	3.9167	3.9167	0.75	0.75	OK	OK	2.31	7.70
-0.063	-0.074	702.297	702.193	0.494	0.547	1.944	A	0.2045	702.648	3.090	1.5521	701.095	1.202	1.098	2.3646	4.434	4.538	3.9167	3.9167	0.75	0.75	OK	OK	6.21	7.45
-0.074	-0.078	702.193	701.767				C	0.2130	702.230	3.024	1.5521	700.678	1.515	1.089	2.3646	4.120	4.546	3.9167	3.9167	0.75	0.75	OK	OK	2.44	7.56
-0.078	-0.083	701.767	701.336				E	0.2155	701.802	3.030	1.5521	700.249	1.518	1.087	2.3646	4.118	4.549	3.9167	3.9167	0.75	0.75	OK	OK	2.41	7.59
-0.083	-0.082	701.336	700.897				G	0.2195	701.367	3.042	1.5521	699.814	1.522	1.083	2.3646	4.114	4.553	3.9167	3.9167	0.75	0.75	OK	OK	2.37	7.63
0.006	0.034	702.403	702.252	0.711	0.579	2.134	A	0.2270	702.729	2.976	1.5521	701.177	1.226	1.075	2.3646	4.409	4.560	3.9167	3.9167	0.75	0.75	OK	OK	5.91	7.72
0.034	0.023	702.252	701.836				C	0.2085	702.294	3.186	1.5521	700.742	1.510	1.094	2.3646	4.126	4.542	3.9167	3.9167	0.75	0.75	OK	OK	2.51	7.50
0.023	0.010	701.836	701.414				E	0.2115	701.875	3.198	1.5521	700.323	1.513	1.091	2.3646	4.123	4.545	3.9167	3.9167	0.75	0.75	OK	OK	2.47	7.54
0.010	0.003	701.414	700.986				G	0.2145	701.450	3.198	1.5521	699.898	1.516	1.088	2.3646	4.120	4.548	3.9167	3.9167	0.75	0.75	OK	OK	2.44	7.57
0.138	0.150	702.441	702.303	0.644	0.588	2.053	A	0.2190	702.772	3.204	1.5521	701.220	1.221	1.083	2.3646	4.414	4.552	3.9167	3.9167	0.75	0.75	OK	OK	5.97	7.63
0.150	0.131	702.303	701.895				C	0.2041	702.349	3.371	1.5521	700.797	1.506	1.098	2.3646	4.129	4.537	3.9167	3.9167	0.75	0.75	OK	OK	2.55	7.45
0.131	0.111	701.895	701.483				E	0.2061	701.939	3.370	1.5521	700.387	1.508	1.096	2.3646	4.127	4.539	3.9167	3.9167	0.75	0.75	OK	OK	2.53	7.47
0.111	0.095	701.483	701.068				G	0.2076	701.526	3.376	1.5521	699.974	1.509	1.094	2.3646	4.126	4.541	3.9167	3.9167	0.75	0.75	OK	OK	2.51	7.49

1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck		Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>F</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)	Girder Haunch (Bottom of Slab to Top of Web) (Right) (in)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)
				Elevation	Elev Diff btwn Points (ft)						Elev Diff btwn Girders (in)	Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)							
A15	GDR1	-52.628	130+90.54	704.082																
A15	STRINGERA	-41.888	130+90.63	704.267	-0.185	-2.22	G1-SA	10.740	10.880	1.2500	0.000	-0.044		1.294		0.7500	6.528		702.788	
A15	GDR2	-31.219	130+90.72	704.054	0.213	2.56	SA-G2	10.669		1.2500	0.000		-0.044		1.294	0.7500	6.528	6.528	702.760	
A15	STRINGERC	-20.498	130+90.82	703.841	0.213	2.56	G2-SC	10.721	10.880	1.2500	0.000	-0.044		1.294		0.7500	6.528		702.760	
A15	GDR3	-9.812	130+90.91	703.628	0.213	2.56	SC-G3	10.686	10.880	1.2500	0.000		-0.043		1.293	0.7500	6.516	6.516	702.335	
A15	STRINGERE	0.909	130+91.01	703.414	0.214	2.57	G3-SE	10.721	10.880	1.2500	0.000	-0.043		1.293		0.7500	6.516		702.335	
A15	GDR4	11.595	130+91.10	703.201	0.213	2.56	SE-G4	10.686	10.880	1.2500	0.000		-0.041		1.291	0.7500	6.492	6.492	701.910	
A15	STRINGERG	22.315	130+91.20	702.987	0.214	2.57	G4-SG	10.720	10.880	1.2500	0.000	-0.041		1.291		0.7500	6.492		701.910	
A15	GDR5	33	130+91.29	702.775	0.212	2.54	SG-G5	10.685	10.880	1.2500	0.000		-0.040		1.290	0.7500	6.480	6.480	701.485	
A16	GDR1	-52.34	131+15.40	704.208																
A16	STRINGERA	-41.64	131+15.52	704.465	-0.257	-3.08	G1-SA	10.700	8.316	1.2500	0.000	-0.053		1.303		0.7500	6.636		702.905	
A16	GDR2	-31.003	131+15.64	704.253	0.212	2.54	SA-G2	10.637		1.2500	0.000		-0.056		1.306	0.7500	6.672	6.672	702.947	
A16	STRINGERC	-20.304	131+15.77	704.04	0.213	2.56	G2-SC	10.699	8.316	1.2500	0.000	-0.056		1.306		0.7500	6.672		702.947	
A16	GDR3	-9.667	131+15.89	703.828	0.212	2.54	SC-G3	10.637	8.316	1.2500	0.000		-0.055		1.305	0.7500	6.660	6.660	702.523	
A16	STRINGERE	1.031	131+16.01	703.615	0.213	2.56	G3-SE	10.698	8.316	1.2500	0.000	-0.055		1.305		0.7500	6.660		702.523	
A16	GDR4	11.667	131+16.13	703.404	0.211	2.53	SE-G4	10.636	8.316	1.2500	0.000		-0.053		1.303	0.7500	6.636	6.636	702.101	
A16	STRINGERG	22.364	131+16.25	703.191	0.213	2.56	G4-SG	10.697	8.316	1.2500	0.000	-0.053		1.303		0.7500	6.636		702.101	
A16	GDR5	33	131+16.37	702.979	0.212	2.54	SG-G5	10.636	8.316	1.2500	0.000		-0.046		1.296	0.7500	6.552	6.552	701.683	
A17	GDR1	-52.057	131+39.87	704.334																
A17	STRINGERA	-41.394	131+39.87	704.658	-0.324	-3.89	G1-SA	10.663	8.000	1.2500	0.000	-0.049		1.299		0.7500	6.588		703.035	
A17	GDR2	-30.793	131+39.87	704.446	0.212	2.54	SA-G2	10.601		1.2500	0.000		-0.056		1.306	0.7500	6.672	6.672	703.140	
A17	STRINGERC	-20.131	131+39.87	704.233	0.213	2.56	G2-SC	10.662	8.000	1.2500	0.000	-0.056		1.306		0.7500	6.672		703.140	
A17	GDR3	-9.529	131+39.87	704.021	0.212	2.54	SC-G3	10.602	8.000	1.2500	0.000		-0.056		1.306	0.7500	6.672	6.672	702.715	
A17	STRINGERE	1.133	131+39.87	703.808	0.213	2.56	G3-SE	10.662	8.000	1.2500	0.000	-0.056		1.306		0.7500	6.672		702.715	
A17	GDR4	11.736	131+39.87	703.596	0.212	2.54	SE-G4	10.603	8.000	1.2500	0.000		-0.053		1.303	0.7500	6.636	6.636	702.293	
A17	STRINGERG	22.397	131+39.87	703.382	0.214	2.57	G4-SG	10.661	8.000	1.2500	0.000	-0.053		1.303		0.7500	6.636		702.293	
A17	GDR5	33	131+39.87	703.17	0.212	2.54	SG-G5	10.603	8.000	1.2500	0.000		-0.044		1.294	0.7500	6.528	6.528	701.876	
A18	GDR1	-51.782	131+63.70	704.473																
A18	STRINGERA	-41.158	131+63.70	704.848	-0.375	-4.50	G1-SA	10.624	8.000	1.2500	0.000	-0.032		1.282		0.7500	6.384		703.191	
A18	GDR2	-30.586	131+63.70	704.636	0.212	2.54	SA-G2	10.572		1.2500	0.000		-0.042		1.292	0.7500	6.504	6.504	703.344	
A18	STRINGERC	-19.963	131+63.70	704.424	0.212	2.54	G2-SC	10.623	8.000	1.2500	0.000	-0.042		1.292		0.7500	6.504		703.344	
A18	GDR3	-9.391	131+63.70	704.212	0.212	2.54	SC-G3	10.572	8.000	1.2500	0.000		-0.043		1.293	0.7500	6.516	6.516	702.919	
A18	STRINGERE	1.233	131+63.70	704	0.212	2.54	G3-SE	10.624	8.000	1.2500	0.000	-0.043		1.293		0.7500	6.516		702.919	
A18	GDR4	11.805	131+63.70	703.788	0.212	2.54	SE-G4	10.572	8.000	1.2500	0.000		-0.040		1.290	0.7500	6.480	6.480	702.498	
A18	STRINGERG	22.429	131+63.70	703.576	0.212	2.54	G4-SG	10.624	8.000	1.2500	0.000	-0.040		1.290		0.7500	6.480		702.498	
A18	GDR5	33	131+63.70	703.364	0.212	2.54	SG-G5	10.571	8.000	1.2500	0.000		-0.030		1.280	0.7500	6.360	6.360	702.084	
A19	GDR1	-51.506	131+87.53	704.678																
A19	STRINGERA	-40.888	131+87.53	705.036	-0.358	-4.30	G1-SA	10.618	8.000	1.2500	0.000	-0.009		1.259		0.7500	6.108		703.419	
A19	GDR2	-30.38	131+87.53	704.826	0.210	2.52	SA-G2	10.508		1.2500	0.000		-0.021		1.271	0.7500	6.252	6.252	703.555	
A19	STRINGERC	-19.761	131+87.53	704.614	0.212	2.54	G2-SC	10.619	8.000	1.2500	0.000	-0.021		1.271		0.7500	6.252		703.555	
A19	GDR3	-9.253	131+87.53	704.404	0.210	2.52	SC-G3	10.508	8.000	1.2500	0.000		-0.023		1.273	0.7500	6.276	6.276	703.131	
A19	STRINGERE	1.366	131+87.53	704.191	0.213	2.56	G3-SE	10.619	8.000	1.2500	0.000	-0.023		1.273		0.7500	6.276		703.131	
A19	GDR4	11.873	131+87.53	703.981	0.210	2.52	SE-G4	10.507	8.000	1.2500	0.000		-0.020		1.270	0.7500	6.240	6.240	702.711	
A19	STRINGERG	22.492	131+87.53	703.769	0.212	2.54	G4-SG	10.619	8.000	1.2500	0.000	-0.020		1.270		0.7500	6.240		702.711	
A19	GDR5	33	131+87.53	703.559	0.210	2.52	SG-G5	10.508	8.000	1.2500	0.000		-0.010		1.260	0.7500	6.120	6.120	702.299	
A20	GDR1	-51.23	132+11.36	704.884																
A20	STRINGERA	-40.675	132+11.36	705.226	-0.342	-4.10	G1-SA	10.555	8.000	1.2500	0.000	0.014		1.236		0.7500	5.832		703.648	
A20	GDR2	-30.173	132+11.36	705.016	0.210	2.52	SA-G2	10.502		1.2500	0.000		0.003		1.247	0.7500	5.964	5.964	703.769	
A20	STRINGERC	-19.617	132+11.36	704.805	0.211	2.53	G2-SC	10.556	8.000	1.2500	0.000	0.003		1.247		0.7500	5.964		703.769	
A20	GDR3	-9.115	132+11.36	704.595	0.210	2.52	SC-G3	10.502	8.000	1.2500	0.000		0.000		1.250	0.7500	6.000	6.000	703.345	
A20	STRINGERE	1.44	132+11.36	704.384	0.211	2.53	G3-SE	10.555	8.000	1.2500	0.000	0.000		1.250		0.7500	6.000		703.345	
A20	GDR4	11.942	132+11.36	704.174	0.210	2.52	SE-G4	10.502	8.000	1.2500	0.000		0.000		1.250	0.7500	6.000	6.000	702.924	
A20	STRINGERG	22.498	132+11.36	703.963	0.211	2.53	G4-SG	10.556	8.000	1.2500	0.000	0.000		1.250		0.7500	6.000		702.924	
A20	GDR5	33	132+11.36	703.753	0.210	2.52	SG-G5	10.502	8.000	1.2500	0.000		0.009		1.241	0.7500	5.892	5.892	702.512	
A21	GDR1	-50.955	132+35.19	705.089																
A21	STRINGERA	-40.43	132+35.19	705.416	-0.327	-3.92	G1-SA	10.525	8.000	1.2500	0.000	0.030		1.220		0.7500	5.640		703.869	
A21	GDR2	-29.966	132+35.19	705.206	0.210	2.52	SA-G2	10.464		1.2500	0.000		0.021		1.229	0.7500	5.748	5.748	703.977	
A21	STRINGERC	-19.442	132+35.19	704.996	0.210	2.52	G2-SC	10.524	8.000	1.2500	0.000	0.021		1.229		0.7500	5.748		703.977	
A21	GDR3	-8.977	132+35.19	704.786	0.210	2.52	SC-G3	10.465	8.000	1.2500	0.000		0.018		1.232	0.7500	5.784	5.784	703.554	
A21	STRINGERE	1.546	132+35.19	704.576	0.210	2.52	G3-SE	10.523	8.000	1.2500	0.000	0.018		1.232		0.7500	5.784		703.554	
A21	GDR4	12.011	132+35.19	704.367	0.209	2.51	SE-G4	10.465	8.000	1.2500	0.000		0.017		1.233	0.7500	5.796	5.796	703.134	
A21	STRINGERG	22.535	132+35.19	704.156	0.211	2.53	G4-SG	10.524	8.000	1.2500	0.000	0.017		1.233		0.7500	5.796		703.134	
A21	GDR5	33	132+35.19	703.947	0.209	2.51	SG-G5	10.465	8.000	1.2500	0.000		0.022		1.228	0.7500	5.736	5.736	702.719	
A22	GDR1	-50.673	132+59.57	705.299																
A22	STRINGERA	-40.183	132+59.45	705.608	-0.309	-3.71	G1-SA	10.490	8.315	1.2500	0.000	0.034		1.216		0.7500	5.592		704.083	
A22	GDR2	-29.757	132+59.34	705.399																

<u>Final Dead Load Defl. Left Girder (ft)</u>	<u>Final Dead Load Defl. Right Girder (ft)</u>	<u>Top of Girder Web Elev. (Left)</u>	<u>Top of Girder Web Elev. (Right)</u>	<u>(SW<sub>o</sub>) No Load Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SW<sub>e</sub>) Final Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SS<sub>o</sub>) Slope of Stringer line G1-G2 (%)</u>	<u>Str.</u>	<u>Δ<sub>@ str</sub> (ft)</u>	<u>No Load Top of Stringer Elev.</u>	<u>Final Stringer Haunch (in)</u>	<u>Depth of Stringer (ft)</u>	<u>Elev. Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Depth of Diaphragm (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)</u>	<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>
0.298		702.490	702.503	-0.061	0.131	1.805	A	0.1926	702.946	3.773	1.5521	701.393	1.097	1.110	2.3646	7.419	7.406	6	6	0.75	0.75	OK	OK	17.03	16.87
0.257	0.257	702.503	702.110				C	0.1962	702.556	3.718	1.5521	701.004	1.499	1.106	2.3646	7.017	7.410	6	6	0.75	0.75	OK	OK	12.20	16.91
0.225	0.225	702.110	701.712				E	0.1987	702.161	3.664	1.5521	700.609	1.501	1.103	2.3646	7.014	7.412	6	6	0.75	0.75	OK	OK	12.17	16.94
0.198	0.198	701.712	701.309				G	0.2012	701.760	3.610	1.5521	700.208	1.504	1.101	2.3646	7.012	7.415	6	6	0.75	0.75	OK	OK	12.14	16.97
0.295		702.610	702.706	-0.450	-0.197	1.740	A	0.1851	703.141	3.995	1.5521	701.589	1.021	1.117	2.3646	4.930	4.834	3.9167	3.9167	0.73	0.73	OK	OK	12.16	11.01
0.241	0.241	702.706	702.321				C	0.1919	702.763	3.901	1.5521	701.211	1.495	1.110	2.3646	4.456	4.841	3.9167	3.9167	0.73	0.73	OK	OK	6.47	11.09
0.202	0.202	702.321	701.927				E	0.1964	702.373	3.811	1.5521	700.821	1.500	1.106	2.3646	4.452	4.846	3.9167	3.9167	0.73	0.73	OK	OK	6.42	11.15
0.174	0.174	701.927	701.524				G	0.2009	701.975	3.685	1.5521	700.423	1.504	1.101	2.3646	4.447	4.850	3.9167	3.9167	0.73	0.73	OK	OK	6.37	11.20
0.250		702.785	702.956	-0.804	-0.494	1.689	A	0.1791	703.385	4.067	1.5521	701.833	0.952	1.123	2.3646	4.683	4.512	3.9167	3.9167	0.75	0.75	OK	OK	9.20	7.15
0.184	0.184	702.956	702.574				C	0.1905	703.014	3.930	1.5521	701.462	1.494	1.112	2.3646	4.142	4.524	3.9167	3.9167	0.75	0.75	OK	OK	2.70	7.29
0.141	0.141	702.574	702.178				E	0.1975	702.625	3.811	1.5521	701.073	1.501	1.105	2.3646	4.135	4.531	3.9167	3.9167	0.75	0.75	OK	OK	2.62	7.37
0.115	0.115	702.178	701.766				G	0.2054	702.221	3.607	1.5521	700.669	1.509	1.097	2.3646	4.127	4.539	3.9167	3.9167	0.75	0.75	OK	OK	2.52	7.46
0.196		702.995	703.222	-1.071	-0.722	1.656	A	0.1751	703.647	3.947	1.5521	702.095	0.900	1.127	2.3646	4.735	4.508	3.9167	3.9167	0.75	0.75	OK	OK	9.82	7.10
0.122	0.122	703.222	702.843				C	0.1890	703.282	3.791	1.5521	701.730	1.492	1.113	2.3646	4.143	4.522	3.9167	3.9167	0.75	0.75	OK	OK	2.72	7.27
0.076	0.076	702.843	702.444				E	0.1990	702.893	3.636	1.5521	701.341	1.502	1.103	2.3646	4.133	4.532	3.9167	3.9167	0.75	0.75	OK	OK	2.60	7.39
0.054	0.054	702.444	702.026				G	0.2085	702.484	3.402	1.5521	700.932	1.512	1.094	2.3646	4.124	4.542	3.9167	3.9167	0.75	0.75	OK	OK	2.49	7.50
0.159		703.260	703.472	-1.004	-0.644	1.639	A	0.1722	703.894	3.706	1.5521	702.342	0.918	1.130	2.3646	4.718	4.506	3.9167	3.9167	0.75	0.75	OK	OK	9.61	7.07
0.083	0.083	703.472	703.094				C	0.1880	703.532	3.540	1.5521	701.980	1.492	1.114	2.3646	4.143	4.521	3.9167	3.9167	0.75	0.75	OK	OK	2.72	7.26
0.037	0.037	703.094	702.693				E	0.1994	703.142	3.367	1.5521	701.590	1.504	1.103	2.3646	4.132	4.533	3.9167	3.9167	0.75	0.75	OK	OK	2.58	7.39
0.018	0.018	702.693	702.271				G	0.2099	702.731	3.121	1.5521	701.179	1.514	1.092	2.3646	4.121	4.543	3.9167	3.9167	0.75	0.75	OK	OK	2.45	7.52
0.149		703.499	703.691	-0.912	-0.575	1.662	A	0.1746	704.116	3.389	1.5521	702.564	0.935	1.127	2.3646	4.700	4.508	3.9167	3.9167	0.75	0.75	OK	OK	9.40	7.09
0.078	0.078	703.691	703.310				C	0.1900	703.750	3.240	1.5521	702.198	1.493	1.112	2.3646	4.142	4.523	3.9167	3.9167	0.75	0.75	OK	OK	2.71	7.28
0.035	0.035	703.310	702.907				E	0.2010	703.358	3.108	1.5521	701.806	1.504	1.101	2.3646	4.131	4.534	3.9167	3.9167	0.75	0.75	OK	OK	2.58	7.41
0.017	0.017	702.907	702.485				G	0.2105	702.945	2.886	1.5521	701.393	1.514	1.092	2.3646	4.122	4.544	3.9167	3.9167	0.75	0.75	OK	OK	2.46	7.53
0.161		703.708	703.876	-0.800	-0.515	1.721	A	0.1801	704.306	3.107	1.5521	702.754	0.954	1.122	2.3646	4.681	4.513	3.9167	3.9167	0.75	0.75	OK	OK	9.18	7.16
0.101	0.101	703.876	703.490				C	0.1925	703.932	2.995	1.5521	702.380	1.496	1.110	2.3646	4.140	4.526	3.9167	3.9167	0.75	0.75	OK	OK	2.68	7.31
0.064	0.064	703.490	703.088				E	0.2004	703.538	2.899	1.5521	701.986	1.504	1.102	2.3646	4.132	4.534	3.9167	3.9167	0.75	0.75	OK	OK	2.58	7.40
0.046	0.046	703.088	702.668				G	0.2094	703.127	2.731	1.5521	701.575	1.513	1.093	2.3646	4.123	4.543	3.9167	3.9167	0.75	0.75	OK	OK	2.47	7.51
0.175		703.908	704.048	-0.669	-0.449	1.785	A	0.1861	704.484	2.939	1.5521	702.932	0.976	1.116	2.3646	4.974	4.834	3.9167	3.9167	0.73	0.73	OK	OK	12.69	11.01
0.129	0.129	704.048	703.656				C	0.1954	704.101	2.851	1.5521	702.549	1.499	1.107	2.3646	4.452	4.844	3.9167	3.9167	0.73	0.73	OK	OK	6.42	11.12
0.099	0.099	703.656	703.251				E	0.2019	703.703	2.809	1.5521	702.151	1.505	1.100	2.3646	4.445	4.850	3.9167	3.9167	0.73	0.73	OK	OK	6.34	11.20
0.081	0.081	703.251	702.835				G	0.2074	703.292	2.719	1.5521	701.740	1.511	1.095	2.3646	4.440	4.856	3.9167	3.9167	0.73	0.73	OK	OK	6.28	11.27

1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck				Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>F</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)	Girder Haunch (Bottom of Slab to Top of Web) (Right) (in)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)
				Elevation	Elev Diff btwn Points (ft)	Elev Diff btwn Girders (in)	Dist btwn Points (ft)					Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)							
A23	GDR1	-50.385	132+84.44	705.513																	
A23	STRINGERA	-39.945	132+84.35	705.806	-0.293	-3.52	G1-SA	10.440	10.879		1.2500	0.000	0.026		1.224	0.7500	5.688		704.289		
A23	GDR2	-29.54	132+84.26	705.598	0.208	2.50	SA-G2	10.405		2.00	1.2500	0.000		0.023	1.227	0.7500		5.724	704.371	704.371	
A23	STRINGERC	-19.1	132+84.17	705.388	0.210	2.52	G2-SC	10.440	10.879	2.01	1.2500	0.000	0.023		1.227	0.7500	5.724		704.371		
A23	GDR3	-8.695	132+84.08	705.179	0.209	2.51	SC-G3	10.405	10.879	2.01	1.2500	0.000		0.022	1.228	0.7500		5.736	703.951	703.951	
A23	STRINGERE	1.746	132+83.99	704.97	0.209	2.51	G3-SE	10.441	10.879	2.00	1.2500	0.000	0.022		1.228	0.7500	5.736		703.951		
A23	GDR4	12.152	132+83.89	704.761	0.209	2.51	SE-G4	10.406	10.879	2.01	1.2500	0.000		0.020	1.230	0.7500		5.760	703.531	703.531	
A23	STRINGERG	22.594	132+83.80	704.551	0.210	2.52	G4-SG	10.442	10.879	2.01	1.2500	0.000	0.020		1.230	0.7500	5.760		703.531		
A23	GDR5	33	132+83.71	704.342	0.209	2.51	SG-G5	10.406	10.879	2.01	1.2500	0.000		0.018	1.232	0.7500		5.784	703.110	703.110	
A24	GDR1	-49.909	133+25.56	705.867																	
A24	STRINGERA	-39.552	133+25.51	706.134	-0.267	-3.20	G1-SA	10.357	8.000		1.2500	0.000	0.008		1.242	0.7500	5.904		704.625		
A24	GDR2	-29.183	133+25.47	705.926	0.208	2.50	SA-G2	10.369		2.01	1.2500	0.000		0.010	1.240	0.7500		5.880	704.686	704.686	
A24	STRINGERC	-18.826	133+25.42	705.719	0.207	2.48	G2-SC	10.357	8.000	2.00	1.2500	0.000	0.010		1.240	0.7500	5.880		704.686		
A24	GDR3	-8.456	133+25.37	705.511	0.208	2.50	SC-G3	10.370	8.000	2.01	1.2500	0.000		0.010	1.240	0.7500		5.880	704.271	704.271	
A24	STRINGERE	1.902	133+25.33	705.303	0.208	2.50	G3-SE	10.358	8.000	2.01	1.2500	0.000	0.010		1.240	0.7500	5.880		704.271		
A24	GDR4	12.272	133+25.28	705.095	0.208	2.50	SE-G4	10.370	8.000	2.01	1.2500	0.000		0.007	1.243	0.7500		5.916	703.852	703.852	
A24	STRINGERG	22.63	133+25.23	704.888	0.207	2.48	G4-SG	10.358	8.000	2.00	1.2500	0.000	0.007		1.243	0.7500	5.916		703.852		
A24	GDR5	33	133+25.18	704.68	0.208	2.50	SG-G5	10.370	8.000	2.01	1.2500	0.000		0.003	1.247	0.7500		5.964	703.433	703.433	
A25	GDR1	-49.652	133+47.78	706.058																	
A25	STRINGERA	-39.346	133+47.76	706.311	-0.253	-3.04	G1-SA	10.306	8.000		1.2500	0.000	0.001		1.249	0.7500	5.988		704.809		
A25	GDR2	-28.99	133+47.73	706.104	0.207	2.48	SA-G2	10.356		2.00	1.2500	0.000		0.004	1.246	0.7500		5.952	704.858	704.858	
A25	STRINGERC	-18.684	133+47.71	705.897	0.207	2.48	G2-SC	10.306	8.000	2.01	1.2500	0.000	0.004		1.246	0.7500	5.952		704.858		
A25	GDR3	-8.327	133+47.69	705.69	0.207	2.48	SC-G3	10.357	8.000	2.00	1.2500	0.000		0.005	1.245	0.7500		5.940	704.445	704.445	
A25	STRINGERE	1.979	133+47.66	705.484	0.206	2.47	G3-SE	10.306	8.000	2.00	1.2500	0.000	0.005		1.245	0.7500	5.940		704.445		
A25	GDR4	12.336	133+47.64	705.276	0.208	2.50	SE-G4	10.357	8.000	2.01	1.2500	0.000		0.001	1.249	0.7500		5.988	704.027	704.027	
A25	STRINGERG	22.643	133+47.62	705.07	0.206	2.47	G4-SG	10.307	8.000	2.00	1.2500	0.000	0.001		1.249	0.7500	5.988		704.027		
A25	GDR5	33	133+47.59	704.863	0.207	2.48	SG-G5	10.357	8.000	2.00	1.2500	0.000		-0.003	1.253	0.7500		6.036	703.610	703.610	
A26	GDR1	-49.395	133+70.00	706.249																	
A26	STRINGERA	-39.096	133+70.00	706.487	-0.238	-2.86	G1-SA	10.299	8.000		1.2500	0.000	-0.003		1.253	0.7500	6.036		704.996		
A26	GDR2	-28.796	133+70.00	706.281	0.206	2.47	SA-G2	10.300		2.00	1.2500	0.000		0.001	1.249	0.7500		5.988	705.032	705.032	
A26	STRINGERC	-18.497	133+70.00	706.075	0.206	2.47	G2-SC	10.299	8.000	2.00	1.2500	0.000	0.001		1.249	0.7500	5.988		705.032		
A26	GDR3	-8.198	133+70.00	705.869	0.206	2.47	SC-G3	10.299	8.000	2.00	1.2500	0.000		0.002	1.248	0.7500		5.976	704.621	704.621	
A26	STRINGERE	2.102	133+70.00	705.663	0.206	2.47	G3-SE	10.300	8.000	2.00	1.2500	0.000	0.002		1.248	0.7500	5.976		704.621		
A26	GDR4	12.401	133+70.00	705.457	0.206	2.47	SE-G4	10.299	8.000	2.00	1.2500	0.000		-0.001	1.251	0.7500		6.012	704.206	704.206	
A26	STRINGERG	22.7	133+70.00	705.251	0.206	2.47	G4-SG	10.299	8.000	2.00	1.2500	0.000	-0.001		1.251	0.7500	6.012		704.206		
A26	GDR5	33	133+70.00	705.045	0.206	2.47	SG-G5	10.300	8.000	2.00	1.2500	0.000		-0.006	1.256	0.7500		6.072	703.789	703.789	
A27	GDR1	-49.138	133+92.22	706.441																	
A27	STRINGERA	-38.896	133+92.24	706.664	-0.223	-2.68	G1-SA	10.242	8.000		1.2500	0.000	-0.006		1.256	0.7500	6.072		705.185		
A27	GDR2	-28.603	133+92.27	706.459	0.205	2.46	SA-G2	10.293		1.99	1.2500	0.000		-0.003	1.253	0.7500		6.036	705.206	705.206	
A27	STRINGERC	-18.361	133+92.29	706.254	0.205	2.46	G2-SC	10.242	8.000	2.00	1.2500	0.000	-0.003		1.253	0.7500	6.036		705.206		
A27	GDR3	-8.069	133+92.31	706.048	0.206	2.47	SC-G3	10.292	8.000	2.00	1.2500	0.000		-0.001	1.251	0.7500		6.012	704.797	704.797	
A27	STRINGERE	2.173	133+92.34	705.844	0.204	2.45	G3-SE	10.242	8.000	1.99	1.2500	0.000	-0.001		1.251	0.7500	6.012		704.797		
A27	GDR4	12.466	133+92.36	705.638	0.206	2.47	SE-G4	10.293	8.000	2.00	1.2500	0.000		-0.004	1.254	0.7500		6.048	704.384	704.384	
A27	STRINGERG	22.707	133+92.38	705.433	0.205	2.46	G4-SG	10.241	8.000	2.00	1.2500	0.000	-0.004		1.254	0.7500	6.048		704.384		
A27	GDR5	33	133+92.41	705.228	0.205	2.46	SG-G5	10.293	8.000	1.99	1.2500	0.000		-0.009	1.259	0.7500		6.108	703.969	703.969	
A28	GDR1	-48.881	134+14.44	706.632																	
A28	STRINGERA	-38.651	134+14.49	706.841	-0.209	-2.51	G1-SA	10.230	8.000		1.2500	0.000	-0.013		1.263	0.7500	6.156		705.369		
A28	GDR2	-28.41	134+14.53	706.636	0.205	2.46	SA-G2	10.241		2.00	1.2500	0.000		-0.010	1.260	0.7500		6.120	705.376	705.376	
A28	STRINGERC	-18.181	134+14.58	706.432	0.204	2.45	G2-SC	10.229	8.000	1.99	1.2500	0.000	-0.010		1.260	0.7500	6.120		705.376		
A28	GDR3	-7.94	134+14.63	706.228	0.204	2.45	SC-G3	10.241	8.000	1.99	1.2500	0.000		-0.009	1.259	0.7500		6.108	704.969	704.969	
A28	STRINGERE	2.289	134+14.68	706.023	0.205	2.46	G3-SE	10.229	8.000	2.00	1.2500	0.000	-0.009		1.259	0.7500	6.108		704.969		
A28	GDR4	12.53	134+14.72	705.819	0.204	2.45	SE-G4	10.241	8.000	1.99	1.2500	0.000		-0.010	1.260	0.7500		6.120	704.559	704.559	
A28	STRINGERG	22.758	134+14.77	705.615	0.204	2.45	G4-SG	10.228	8.000	1.99	1.2500	0.000	-0.010		1.260	0.7500	6.120		704.559		
A28	GDR5	33	134+14.82	705.41	0.205	2.46	SG-G5	10.242	8.000	2.00	1.2500	0.000		-0.014	1.264	0.7500		6.168	704.146	704.146	
A29	GDR1	-48.405	134+55.57	706.986																	
A29	STRINGERA	-38.211	134+55.66	707.167	-0.181	-2.17	G1-SA	10.194	10.880		1.2500	0.000	-0.034		1.284	0.7500	6.408		705.702		
A29	GDR2	-28.052	134+55.75	706.965	0.202	2.42	SA-G2	10.159		1.99	1.2500	0.000		-0.033	1.283	0.7500		6.396	705.682	705.682	
A29	STRINGERC	-17.859	134+55.84	706.762	0.203	2.44	G2-SC	10.193	10.880	1.99	1.2500	0.000	-0.033		1.283	0.7500	6.396		705.682		
A29	GDR3	-7.701	134+55.93	706.559	0.203	2.44	SC-G3	10.158	10.880	2.00	1.2500	0.000		-0.030	1.280	0.7500		6.360	705.279	705.279	
A29	STRINGERE	2.493	134+56.02	706.356	0.203	2.44	G3-SE	10.194	10.880	1.99	1.2500	0.000	-0.030		1.280	0.7500	6.360		705.279		
A29	GDR4	12.65	134+56.11	706.154	0.202	2.42	SE-G4	10.157	10.880	1.99	1.2500	0.000		-0.027	1.277	0.7500		6.324	704.877	704.877	
A29	STRINGERG	22.843	134+56.20	705.951	0.203	2.44	G4-SG	10.193	10.880	1.99	1.2500	0.000	-0.027		1.277	0.7500	6.324		704.877		
A29																					



1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck		Elev Diff btwn Points (ft)	Elev Diff btwn Girders (in)	Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>E</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)	Girder Haunch (Bottom of Slab to Top of Web) (Right) (in)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)
				Elevation									Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)							
A31	GDR1	-47.851	135+03.45	707.345																		
A31	STRINGERA	-37.719	135+03.45	707.494	-0.149	-1.79	G1-SA	10.132	8.000		1.2500	0.000	-0.054		1.304		0.7500	6.648		706.041		
A31	GDR2	-27.639	135+03.45	707.292	0.202	2.42	SA-G2	10.080		2.00	1.2500	0.000		-0.055		1.305	0.7500	6.660	6.660	705.987	705.987	
A31	STRINGERC	-17.507	135+03.45	707.089	0.203	2.44	G2-SC	10.132	8.000	2.00	1.2500	0.000	-0.055		1.305		0.7500	6.660		705.987		
A31	GDR3	-7.426	135+03.45	706.888	0.201	2.41	SC-G3	10.081	8.000	1.99	1.2500	0.000		-0.050		1.300	0.7500	6.600	6.600	705.588	705.588	
A31	STRINGERE	2.706	135+03.45	706.685	0.203	2.44	G3-SE	10.132	8.000	2.00	1.2500	0.000	-0.050		1.300		0.7500	6.600		705.588		
A31	GDR4	12.787	135+03.45	706.484	0.201	2.41	SE-G4	10.081	8.000	1.99	1.2500	0.000		-0.041		1.291	0.7500	6.492	6.492	705.193	705.193	
A31	STRINGERG	22.919	135+03.45	706.281	0.203	2.44	G4-SG	10.132	8.000	2.00	1.2500	0.000	-0.041		1.291		0.7500	6.492		705.193		
A31	GDR5	33	135+03.45	706.079	0.202	2.42	SG-G5	10.081	8.000	2.00	1.2500	0.000		-0.027		1.277	0.7500	6.324	6.324	704.802	704.802	
A32	GDR1	-47.592	135+25.86	707.478																		
A32	STRINGERA	-37.489	135+25.86	707.611	-0.133	-1.60	G1-SA	10.103	8.000		1.2500	0.000	-0.057		1.307		0.7500	6.684		706.171		
A32	GDR2	-27.444	135+25.86	707.41	0.201	2.41	SA-G2	10.045		2.00	1.2500	0.000		-0.057		1.307	0.7500	6.684	6.684	706.103	706.103	
A32	STRINGERC	-17.341	135+25.86	707.208	0.202	2.42	G2-SC	10.103	8.000	2.00	1.2500	0.000	-0.057		1.307		0.7500	6.684		706.103		
A32	GDR3	-7.296	135+25.86	707.007	0.201	2.41	SC-G3	10.045	8.000	2.00	1.2500	0.000		-0.050		1.300	0.7500	6.600	6.600	705.707	705.707	
A32	STRINGERE	2.806	135+25.86	706.805	0.202	2.42	G3-SE	10.102	8.000	2.00	1.2500	0.000	-0.050		1.300		0.7500	6.600		705.707		
A32	GDR4	12.852	135+25.86	706.604	0.201	2.41	SE-G4	10.046	8.000	2.00	1.2500	0.000		-0.039		1.289	0.7500	6.468	6.468	705.315	705.315	
A32	STRINGERG	22.954	135+25.86	706.402	0.202	2.42	G4-SG	10.102	8.000	2.00	1.2500	0.000	-0.039		1.289		0.7500	6.468		705.315		
A32	GDR5	33	135+25.86	706.201	0.201	2.41	SG-G5	10.046	8.000	2.00	1.2500	0.000		-0.019		1.269	0.7500	6.228	6.228	704.932	704.932	
A33	GDR1	-47.333	135+48.27	707.587																		
A33	STRINGERA	-37.23	135+48.27	707.705	-0.118	-1.42	G1-SA	10.103	8.000		1.2500	0.000	-0.060		1.310		0.7500	6.720		706.277		
A33	GDR2	-27.25	135+48.27	707.505	0.200	2.40	SA-G2	9.980		2.00	1.2500	0.000		-0.058		1.308	0.7500	6.696	6.696	706.197	706.197	
A33	STRINGERC	-17.148	135+48.27	707.303	0.202	2.42	G2-SC	10.102	8.000	2.00	1.2500	0.000	-0.058		1.308		0.7500	6.696		706.197		
A33	GDR3	-7.167	135+48.27	707.104	0.199	2.39	SC-G3	9.981	8.000	1.99	1.2500	0.000		-0.049		1.299	0.7500	6.588	6.588	705.805	705.805	
A33	STRINGERE	2.935	135+48.27	706.902	0.202	2.42	G3-SE	10.102	8.000	2.00	1.2500	0.000	-0.049		1.299		0.7500	6.588		705.805		
A33	GDR4	12.917	135+48.27	706.702	0.200	2.40	SE-G4	9.982	8.000	2.00	1.2500	0.000		-0.034		1.284	0.7500	6.408	6.408	705.418	705.418	
A33	STRINGERG	23.019	135+48.27	706.5	0.202	2.42	G4-SG	10.102	8.000	2.00	1.2500	0.000	-0.034		1.284		0.7500	6.408		705.418		
A33	GDR5	33	135+48.27	706.3	0.200	2.40	SG-G5	9.981	8.000	2.00	1.2500	0.000		-0.010		1.260	0.7500	6.120	6.120	705.040	705.040	
A34	GDR1	-47.054	135+72.35	707.68																		
A34	STRINGERA	-37.01	135+72.35	707.782	-0.102	-1.22	G1-SA	10.044	8.000		1.2500	0.000	-0.064		1.314		0.7500	6.768		706.366		
A34	GDR2	-27.041	135+72.35	707.582	0.200	2.40	SA-G2	9.969		2.01	1.2500	0.000		-0.058		1.308	0.7500	6.696	6.696	706.274	706.274	
A34	STRINGERC	-16.996	135+72.35	707.382	0.200	2.40	G2-SC	10.045	8.000	1.99	1.2500	0.000	-0.058		1.308		0.7500	6.696		706.274		
A34	GDR3	-7.027	135+72.35	707.182	0.200	2.40	SC-G3	9.969	8.000	2.01	1.2500	0.000		-0.045		1.295	0.7500	6.540	6.540	705.887	705.887	
A34	STRINGERE	3.017	135+72.35	706.981	0.201	2.41	G3-SE	10.044	8.000	2.00	1.2500	0.000	-0.045		1.295		0.7500	6.540		705.887		
A34	GDR4	12.986	135+72.35	706.782	0.199	2.39	SE-G4	9.969	8.000	2.00	1.2500	0.000		-0.028		1.278	0.7500	6.336	6.336	705.504	705.504	
A34	STRINGERG	23.031	135+72.35	706.581	0.201	2.41	G4-SG	10.045	8.000	2.00	1.2500	0.000	-0.028		1.278		0.7500	6.336		705.504		
A34	GDR5	33	135+72.35	706.382	0.199	2.39	SG-G5	9.969	8.000	2.00	1.2500	0.000		-0.001		1.251	0.7500	6.012	6.012	705.131	705.131	
A35	GDR1	-46.795	135+94.76	707.742																		
A35	STRINGERA	-36.792	135+94.76	707.829	-0.087	-1.04	G1-SA	10.003	8.000		1.2500	0.000	-0.072		1.322		0.7500	6.864		706.420		
A35	GDR2	-26.846	135+94.76	707.631	0.198	2.38	SA-G2	9.946		1.99	1.2500	0.000		-0.061		1.311	0.7500	6.732	6.732	706.320	706.320	
A35	STRINGERC	-16.844	135+94.76	707.431	0.200	2.40	G2-SC	10.002	8.000	2.00	1.2500	0.000	-0.061		1.311		0.7500	6.732		706.320		
A35	GDR3	-6.898	135+94.76	707.232	0.199	2.39	SC-G3	9.946	8.000	2.00	1.2500	0.000		-0.044		1.294	0.7500	6.528	6.528	705.938	705.938	
A35	STRINGERE	3.105	135+94.76	707.032	0.200	2.40	G3-SE	10.003	8.000	2.00	1.2500	0.000	-0.044		1.294		0.7500	6.528		705.938		
A35	GDR4	13.051	135+94.76	706.833	0.199	2.39	SE-G4	9.946	8.000	2.00	1.2500	0.000		-0.023		1.273	0.7500	6.276	6.276	705.560	705.560	
A35	STRINGERG	23.053	135+94.76	706.633	0.200	2.40	G4-SG	10.002	8.000	2.00	1.2500	0.000	-0.023		1.273		0.7500	6.276		705.560		
A35	GDR5	33	135+94.76	706.434	0.199	2.39	SG-G5	9.947	8.000	2.00	1.2500	0.000		0.004		1.246	0.7500	5.952	5.952	705.188	705.188	
A36	GDR1	-46.536	136+17.16	707.781																		
A36	STRINGERA	-36.532	136+17.16	707.853	-0.072	-0.86	G1-SA	10.004	8.000		1.2500	0.000	-0.085		1.335		0.7500	7.020		706.446		
A36	GDR2	-26.652	136+17.16	707.656	0.197	2.36	SA-G2	9.880		1.99	1.2500	0.000		-0.068		1.318	0.7500	6.816	6.816	706.338	706.338	
A36	STRINGERC	-16.649	136+17.16	707.456	0.200	2.40	G2-SC	10.003	8.000	2.00	1.2500	0.000	-0.068		1.318		0.7500	6.816		706.338		
A36	GDR3	-6.768	136+17.16	707.258	0.198	2.38	SC-G3	9.881	8.000	2.00	1.2500	0.000		-0.047		1.297	0.7500	6.564	6.564	705.961	705.961	
A36	STRINGERE	3.235	136+17.16	707.058	0.200	2.40	G3-SE	10.003	8.000	2.00	1.2500	0.000	-0.047		1.297		0.7500	6.564		705.961		
A36	GDR4	13.116	136+17.16	706.861	0.197	2.36	SE-G4	9.881	8.000	1.99	1.2500	0.000		-0.024		1.274	0.7500	6.288	6.288	705.587	705.587	
A36	STRINGERG	23.118	136+17.16	706.66	0.201	2.41	G4-SG	10.002	8.000	2.01	1.2500	0.000	-0.024		1.274		0.7500	6.288		705.587		
A36	GDR5	33	136+17.16	706.463	0.197	2.36	SG-G5	9.882	8.000	1.99	1.2500	0.000		0.003		1.247	0.7500	5.964	5.964	705.216	705.216	
A37	GDR1	-46.277	136+39.52	707.798																		
A37	STRINGERA	-36.325	136+39.41	707.856	-0.058	-0.70	G1-SA	9.952	8.315		1.2500	0.000	0.066		1.184		0.7500	5.208		706.614		
A37	GDR2	-26.46	136+39.30	707.659	0.197	2.36	SA-G2	9.865		2.00	1.2500	0.000		0.055		1.195	0.7500	5.340	5.340	706.464	706.464	
A37	STRINGERC	-16.507	136+39.19	707.46	0.199	2.39	G2-SC	9.953	8.315	2.00	1.2500	0.000	0.055		1.195		0.7500	5.340		706.464		
A37	GDR3	-6.641	136+39.08	707.262	0.198	2.38	SC-G3	9.866	8.315	2.01	1.2500	0.000		0.047		1.203	0.7500	5.436	5.436	706.059	706.059	
A37	STRINGERE	3.312	136+38.96	707.063	0.199	2.39	G3-SE	9.953	8.315	2.00	1.2500	0.000	0.047									

<u>Final Dead Load Defl. Left Girder (ft)</u>	<u>Final Dead Load Defl. Right Girder (ft)</u>	<u>Top of Girder Web Elev. (Left)</u>	<u>Top of Girder Web Elev. (Right)</u>	<u>(SW<sub>1</sub>) No Load Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SW<sub>2</sub>) Final Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SS<sub>1</sub>) Slope of Stringer line G1-G2 (%)</u>	<u>Str.</u>	<u>Δ<sub>@ str</sub> (ft)</u>	<u>No Load Top of Stringer Elev.</u>	<u>Final Stringer Haunch (in)</u>	<u>Depth of Stringer (ft)</u>	<u>Elev. Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Depth of Diaphragm (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)</u>	<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>	
-0.668		706.709											1.157		2.3646	4.479		3.9167		0.75		OK		6.75		
	-0.663		706.650	0.292	0.267	2.029	A	0.2045	707.104	3.630	1.5521	705.552		1.098	2.3646		4.538		3.9167		0.75	0.75	OK	OK	2.46	7.45
-0.663		706.650											1.514		2.3646	4.122		3.9167		0.75		OK		2.46		
-0.640	-0.640	706.228	706.228				C	0.2105	706.688	3.486	1.5521	705.136		1.092	2.3646		4.544		3.9167		0.75	0.75	OK	OK	2.40	7.53
-0.640		706.228											1.519		2.3646	4.116		3.9167		0.75		OK		2.40		
-0.602	-0.602	705.795	705.795				E	0.2160	706.261	3.313	1.5521	704.709		1.086	2.3646		4.549		3.9167		0.75	0.75	OK	OK	2.31	7.59
-0.602		705.795											1.526		2.3646	4.109		3.9167		0.75		OK		2.31		
	-0.546		705.348				G	0.2229	705.821	3.073	1.5521	704.269		1.079	2.3646		4.556		3.9167		0.75	0.75	OK	OK	2.31	7.67
		706.922											1.171		2.3646	4.465		3.9167		0.75		OK		6.58		
-0.751		706.922					A	0.2025	707.303	3.666	1.5521	705.751		1.100	2.3646		4.536		3.9167		0.75	0.75	OK	OK	2.47	7.43
-0.748	-0.748	706.851	706.851	0.352	0.338	2.016	C	0.2094	706.890	3.499	1.5521	705.338		1.093	2.3646		4.543		3.9167		0.75	0.75	OK	OK	2.47	7.51
-0.748		706.851											1.513		2.3646	4.123		3.9167		0.75		OK		2.47		
-0.724	-0.724	706.431	706.431				E	0.2174	706.462	3.271	1.5521	704.910		1.085	2.3646		4.551		3.9167		0.75	0.75	OK	OK	2.38	7.61
-0.724		706.431											1.521		2.3646	4.115		3.9167		0.75		OK		2.38		
-0.680	-0.680	705.995	705.995				E	0.2174	706.462	3.271	1.5521	704.910		1.085	2.3646		4.551		3.9167		0.75	0.75	OK	OK	2.29	7.61
-0.680		705.995											1.528		2.3646	4.107		3.9167		0.75		OK		2.29		
	-0.612		705.544				G	0.2249	706.019	2.942	1.5521	704.467		1.077	2.3646		4.558		3.9167		0.75	0.75	OK	OK	2.29	7.70
		707.063											1.183		2.3646	4.452		3.9167		0.75		OK		6.43		
-0.786		707.063					A	0.2010	707.432	3.684	1.5521	705.880		1.101	2.3646		4.534		3.9167		0.75	0.75	OK	OK	2.48	7.41
-0.784	-0.784	706.981	706.981	0.408	0.398	2.014	C	0.2072	707.021	3.489	1.5521	705.469		1.095	2.3646		4.541		3.9167		0.75	0.75	OK	OK	2.48	7.49
-0.784		706.981											1.512		2.3646	4.124		3.9167		0.75		OK		2.48		
-0.759	-0.759	706.564	706.564				E	0.2167	706.595	3.208	1.5521	705.043		1.085	2.3646		4.550		3.9167		0.75	0.75	OK	OK	2.37	7.60
-0.759		706.564											1.521		2.3646	4.114		3.9167		0.75		OK		2.37		
-0.710	-0.710	706.128	706.128				E	0.2167	706.595	3.208	1.5521	705.043		1.085	2.3646		4.550		3.9167		0.75	0.75	OK	OK	2.27	7.60
-0.710		706.128											1.529		2.3646	4.106		3.9167		0.75		OK		2.27		
	-0.636		705.676				G	0.2246	706.151	2.824	1.5521	704.599		1.077	2.3646		4.558		3.9167		0.75	0.75	OK	OK	2.27	7.70
		707.130											1.196		2.3646	4.439		3.9167		0.75		OK		6.27		
-0.764		707.130					A	0.2020	707.486	3.672	1.5521	705.934		1.100	2.3646		4.535		3.9167		0.75	0.75	OK	OK	2.51	7.42
-0.760	-0.760	707.034	707.034	0.480	0.460	2.026	C	0.2062	707.076	3.465	1.5521	705.524		1.096	2.3646		4.540		3.9167		0.75	0.75	OK	OK	2.51	7.47
-0.760		707.034											1.510		2.3646	4.126		3.9167		0.75		OK		2.51		
-0.733	-0.733	706.620	706.620				E	0.2157	706.653	3.136	1.5521	705.101		1.086	2.3646		4.549		3.9167		0.75	0.75	OK	OK	2.39	7.47
-0.733		706.620											1.519		2.3646	4.116		3.9167		0.75		OK		2.39		
-0.683	-0.683	706.187	706.187				E	0.2157	706.653	3.136	1.5521	705.101		1.086	2.3646		4.549		3.9167		0.75	0.75	OK	OK	2.30	7.59
-0.683		706.187											1.527		2.3646	4.108		3.9167		0.75		OK		2.30		
	-0.607		705.738				G	0.2236	706.212	2.716	1.5521	704.660		1.078	2.3646		4.557		3.9167		0.75	0.75	OK	OK	2.30	7.68
		707.113											1.208		2.3646	4.427		3.9167		0.75		OK		6.13		
-0.693		707.113					A	0.2020	707.457	3.684	1.5521	705.905		1.100	2.3646		4.535		3.9167		0.75	0.75	OK	OK	2.53	7.42
-0.685	-0.685	707.005	707.005	0.541	0.501	2.031	C	0.2049	707.049	3.457	1.5521	705.497		1.097	2.3646		4.538		3.9167		0.75	0.75	OK	OK	2.53	7.46
-0.685		707.005											1.508		2.3646	4.127		3.9167		0.75		OK		2.53		
-0.656	-0.656	706.594	706.594				E	0.2134	706.629	3.103	1.5521	705.077		1.089	2.3646		4.547		3.9167		0.75	0.75	OK	OK	2.42	7.56
-0.656		706.594											1.517		2.3646	4.119		3.9167		0.75		OK		2.42		
-0.606	-0.606	706.166	706.166				E	0.2134	706.629	3.103	1.5521	705.077		1.089	2.3646		4.547		3.9167		0.75	0.75	OK	OK	2.33	7.56
-0.606		706.166											1.524		2.3646	4.111		3.9167		0.75		OK		2.33		
	-0.535		705.723				G	0.2209	706.194	2.689	1.5521	704.642		1.081	2.3646		4.554		3.9167		0.75	0.75	OK	OK	2.33	7.65
		707.034											1.221		2.3646	4.415		3.9167		0.75		OK		5.98		
-0.588		707.034					A	0.2045	707.365	3.727	1.5521	705.813		1.098	2.3646		4.538		3.9167		0.75	0.75	OK	OK	2.54	7.45
-0.573	-0.573	706.911	706.911	0.619	0.543	2.069	C	0.2027	706.956	3.507	1.5521	705.404		1.099	2.3646		4.536		3.9167		0.75	0.75	OK	OK	2.54	7.45
-0.573		706.911											1.507		2.3646	4.128		3.9167		0.75		OK		2.54		
-0.542	-0.542	706.503	706.503				E	0.2092	706.541	3.141	1.5521	704.989		1.093	2.3646		4.543		3.9167		0.75	0.75	OK	OK	2.46	7.43
-0.542		706.503											1.514		2.3646	4.122		3.9167		0.75		OK		2.46		
-0.495	-0.495	706.082	706.082				E	0.2092	706.541	3.141	1.5521	704.989		1.093	2.3646		4.543		3.9167		0.75	0.75	OK	OK	2.46	7.51
-0.495		706.082											1.520		2.3646	4.115		3.9167		0.75		OK		2.46		
	-0.432		705.648				G	0.2157	706.114	2.740	1.5521	704.562		1.086	2.3646		4.549		3.9167		0.75	0.75	OK	OK	2.38	7.59
		706.915											1.248		2.3646	4.702		3.9167		0.73		OK		9.43		
-0.301		706.915					A	0.1900	707.219	2.424	1.5521	705.667		1.112	2.3646		4.838		3.9167		0.73	0.73	OK	OK	6.34	11.06
-0.315	-0.315	706.779	706.779	0.686	0.757	1.926	C	0.2011	706.826	2.399	1.5521	705.274		1.101	2.3646		4.445		3.9167		0.73	0.73	OK	OK	6.34	11.06
-0.315		706.779											1.505		2.3646	4.445		3.9167		0.73		OK		6.34		
-0.316	-0.316	706.375	706.375				E	0.2051	706.418	2.423	1.5521	704.866		1.097	2.3646		4.849		3.9167		0.73	0.73	OK	OK	6.30	11.19
-0.316		706.375											1.509		2.3646	4.441		3.9167		0.73		OK		6.30		
-0.307	-0.307	705.963	705.963				E	0.2051	706.418	2.423	1.5521	704.866		1.097	2.3646		4.853		3.9167		0.73	0.73	OK	OK	6.24	11.2

1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck		Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>F</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)	Girder Haunch (Bottom of Slab to Top of Web) (Right) (in)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)
				Elevation	Elev Diff btwn Points (ft)						Elev Diff btwn Girders (in)	Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)							
A39	GDR1	-45.514	137+05.54	707.716																
A39	STRINGERA	-35.581	137+05.50	707.728	-0.012	-0.14	G1-SA	9.933	8.000	1.2500	0.000	0.013	1.237		0.7500	5.844		706.479		
A39	GDR2	-25.886	137+05.45	707.534	0.194	2.33	SA-G2	9.695		1.2500	0.000			1.236	0.7500		5.832	706.298	706.298	
A39	STRINGERC	-15.989	137+05.41	707.336	0.198	2.38	G2-SC	9.897	8.000	1.2500	0.000	0.014	1.236		0.7500	5.832		706.298		
A39	GDR3	-6.258	137+05.36	707.142	0.194	2.33	SC-G3	9.731	8.000	1.2500	0.000	0.014		1.236	0.7500		5.832	705.906	705.906	
A39	STRINGERE	3.604	137+05.32	706.945	0.197	2.36	G3-SE	9.862	8.000	1.2500	0.000	0.014	1.236		0.7500	5.832		705.906		
A39	GDR4	13.371	137+05.27	706.75	0.195	2.34	SE-G4	9.767	8.000	1.2500	0.000	0.011		1.239	0.7500		5.868	705.511	705.511	
A39	STRINGERG	23.197	137+05.23	706.553	0.197	2.36	G4-SG	9.826	8.000	1.2500	0.000	0.011	1.239		0.7500	5.868		705.511		
A39	GDR5	33	137+05.18	706.357	0.196	2.35	SG-G5	9.803	8.000	1.2500	0.000	0.007		1.243	0.7500		5.916	705.114	705.114	
A40	GDR1	-45.257	137+27.77	707.643																
A40	STRINGERA	-35.388	137+27.75	707.641	0.002	0.02	G1-SA	9.869	8.000	1.2500	0.000	-0.001	1.251		0.7500	6.012		706.392		
A40	GDR2	-25.693	137+27.73	707.448	0.193	2.32	SA-G2	9.695	8.000	1.2500	0.000	0.002		1.248	0.7500		5.976	706.200	706.200	
A40	STRINGERC	-15.856	137+27.70	707.251	0.197	2.36	G2-SC	9.837	8.000	1.2500	0.000	0.002	1.248		0.7500	5.976		706.200		
A40	GDR3	-6.129	137+27.68	707.056	0.195	2.34	SC-G3	9.727	8.000	1.2500	0.000	0.004		1.246	0.7500		5.952	705.810	705.810	
A40	STRINGERE	3.676	137+27.66	706.86	0.196	2.35	G3-SE	9.805	8.000	1.2500	0.000	0.004	1.246		0.7500	5.952		705.810		
A40	GDR4	13.435	137+27.64	706.665	0.195	2.34	SE-G4	9.759	8.000	1.2500	0.000	0.002		1.248	0.7500		5.976	705.417	705.417	
A40	STRINGERG	23.208	137+27.61	706.47	0.195	2.34	G4-SG	9.773	8.000	1.2500	0.000	0.002	1.248		0.7500	5.976		705.417		
A40	GDR5	33	137+27.59	706.274	0.196	2.35	SG-G5	9.792	8.000	1.2500	0.000	-0.001		1.251	0.7500		6.012	705.023	705.023	
A41	GDR1	-45	137+50.00	707.549																
A41	STRINGERA	-35.25	137+50.00	707.534	0.015	0.18	G1-SA	9.750	8.000	1.2500	0.000	-0.007	1.257		0.7500	6.084		706.292		
A41	GDR2	-25.5	137+50.00	707.339	0.195	2.34	SA-G2	9.750	8.000	1.2500	0.000			1.254	0.7500		6.048	706.085	706.085	
A41	STRINGERC	-15.75	137+50.00	707.144	0.195	2.34	G2-SC	9.750	8.000	1.2500	0.000	-0.004	1.254		0.7500	6.048		706.085		
A41	GDR3	-6	137+50.00	706.949	0.195	2.34	SC-G3	9.750	8.000	1.2500	0.000	-0.001		1.251	0.7500		6.012	705.698	705.698	
A41	STRINGERE	3.75	137+50.00	706.754	0.195	2.34	G3-SE	9.750	8.000	1.2500	0.000	-0.001	1.251		0.7500	6.012		705.698		
A41	GDR4	13.5	137+50.00	706.559	0.195	2.34	SE-G4	9.750	8.000	1.2500	0.000	-0.003		1.253	0.7500		6.036	705.306	705.306	
A41	STRINGERG	23.25	137+50.00	706.364	0.195	2.34	G4-SG	9.750	8.000	1.2500	0.000	-0.003	1.253		0.7500	6.036		705.306		
A41	GDR5	33	137+50.00	706.169	0.195	2.34	SG-G5	9.750	8.000	1.2500	0.000	-0.005		1.255	0.7500		6.060	704.914	704.914	
A42	GDR1	-45	137+72.23	707.438																
A42	STRINGERA	-35.163	137+72.25	707.421	0.017	0.20	G1-SA	9.837	8.000	1.2500	0.000	-0.013	1.263		0.7500	6.156		706.175		
A42	GDR2	-25.5	137+72.28	707.228	0.193	2.32	SA-G2	9.663	8.000	1.2500	0.000			1.259	0.7500		6.108	705.969	705.969	
A42	STRINGERC	-15.695	137+72.30	707.032	0.196	2.35	G2-SC	9.805	8.000	1.2500	0.000	-0.009	1.259		0.7500	6.108		705.969		
A42	GDR3	-6	137+72.32	706.838	0.194	2.33	SC-G3	9.695	8.000	1.2500	0.000			1.255	0.7500		6.060	705.583	705.583	
A42	STRINGERE	3.773	137+72.34	706.642	0.196	2.35	G3-SE	9.773	8.000	1.2500	0.000	-0.005	1.255		0.7500	6.060		705.583		
A42	GDR4	13.5	137+72.36	706.447	0.195	2.34	SE-G4	9.727	8.000	1.2500	0.000	-0.007		1.257	0.7500		6.084	705.190	705.190	
A42	STRINGERG	23.241	137+72.39	706.252	0.195	2.34	G4-SG	9.741	8.000	1.2500	0.000	-0.007	1.257		0.7500	6.084		705.190		
A42	GDR5	33	137+72.41	706.057	0.195	2.34	SG-G5	9.759	8.000	1.2500	0.000	-0.008		1.258	0.7500		6.096	704.799	704.799	
A43	GDR1	-45	137+94.46	707.327																
A43	STRINGERA	-35.13	137+94.51	707.309	0.018	0.22	G1-SA	9.870	8.000	1.2500	0.000	-0.025	1.275		0.7500	6.300		706.052		
A43	GDR2	-25.5	137+94.55	707.116	0.193	2.32	SA-G2	9.630	8.000	1.2500	0.000			1.269	0.7500		6.228	705.847	705.847	
A43	STRINGERC	-15.666	137+94.60	706.919	0.197	2.36	G2-SC	9.834	8.000	1.2500	0.000	-0.019	1.269		0.7500	6.228		705.847		
A43	GDR3	-6	137+94.64	706.726	0.193	2.32	SC-G3	9.666	8.000	1.2500	0.000			1.265	0.7500		6.180	705.461	705.461	
A43	STRINGERE	3.798	137+94.68	706.53	0.196	2.35	G3-SE	9.798	8.000	1.2500	0.000	-0.015	1.265		0.7500	6.180		705.461		
A43	GDR4	13.5	137+94.73	706.335	0.195	2.34	SE-G4	9.702	8.000	1.2500	0.000			1.265	0.7500		6.180	705.070	705.070	
A43	STRINGERG	23.262	137+94.77	706.14	0.195	2.34	G4-SG	9.762	8.000	1.2500	0.000	-0.015	1.265		0.7500	6.180		705.070		
A43	GDR5	33	137+94.82	705.945	0.195	2.34	SG-G5	9.738	8.000	1.2500	0.000	-0.016		1.266	0.7500		6.192	704.679	704.679	
A44	GDR1	-45	138+35.61	707.121																
A44	STRINGERA	-35.21	138+35.69	707.105	0.016	0.19	G1-SA	9.790	10.880	1.2500	0.000	-0.050	1.300		0.7500	6.600		705.821		
A44	GDR2	-25.5	138+35.78	706.91	0.195	2.34	SA-G2	9.710	10.880	1.2500	0.000			1.295	0.7500		6.540	705.615	705.615	
A44	STRINGERC	-15.716	138+35.86	706.714	0.196	2.35	G2-SC	9.784	10.880	1.2500	0.000	-0.045	1.295		0.7500	6.540		705.615		
A44	GDR3	-6	138+35.95	706.519	0.195	2.34	SC-G3	9.716	10.880	1.2500	0.000			1.290	0.7500		6.480	705.229	705.229	
A44	STRINGERE	3.777	138+36.03	706.323	0.196	2.35	G3-SE	9.777	10.880	1.2500	0.000	-0.040	1.290		0.7500	6.480		705.229		
A44	GDR4	13.5	138+36.12	706.129	0.194	2.33	SE-G4	9.723	10.880	1.2500	0.000			1.285	0.7500		6.420	704.844	704.844	
A44	STRINGERG	23.271	138+36.20	705.933	0.196	2.35	G4-SG	9.771	10.880	1.2500	0.000	-0.035	1.285		0.7500	6.420		704.844		
A44	GDR5	33	138+36.29	705.738	0.195	2.34	SG-G5	9.729	10.880	1.2500	0.000	-0.031		1.281	0.7500		6.372	704.457	704.457	
A45	GDR1	-45	138+60.49	706.997																
A45	STRINGERA	-35.22	138+60.60	706.98	0.017	0.20	G1-SA	9.780	8.316	1.2500	0.000	-0.062	1.312		0.7500	6.744		705.685		
A45	GDR2	-25.5	138+60.71	706.786	0.194	2.33	SA-G2	9.720	8.316	1.2500	0.000			1.309	0.7500		6.708	705.477	705.477	
A45	STRINGERC	-15.721	138+60.82	706.589	0.197	2.36	G2-SC	9.779	8.316	1.2500	0.000	-0.059	1.309		0.7500	6.708		705.477		
A45	GDR3	-6	138+60.93	706.394	0.195	2.34	SC-G3	9.721	8.316	1.2500	0.000			1.303	0.7500		6.636	705.091	705.091	
A45	STRINGERE	3.779	138+61.04	706.198	0.196	2.35	G3-SE	9.779	8.316	1.2500	0.000	-0.053	1.303		0.7500	6.636		705.091		
A45	GDR4	13.5	138+61.15	706.003	0.195	2.34	SE-G4	9.721	8.316	1.2500	0.000			1.296	0.7500		6.552	704.707	704.707	
A45	STRINGERG	23.279	138+61.26	705.807	0.196	2.35	G4-SG	9.779	8.316	1.2500	0.000	-0.046	1.296		0.7500	6.552		704.707		
A45	GDR5	33	138+61.37	705.612	0.195	2.34	SG-G5	9.721	8.316	1.2500	0.000	-0.039		1.289	0.7500		6.468	704.323	704.323	
A46	GDR1	-45	138+83.45	706.882																
A46	STRINGERA	-35.223	138+83.45	706.866	0.016	0.19	G1-SA	9.777	8.000	1.2500	0.000	-0.064	1.314		0.7500	6.768		705.568		
A46	GDR2	-25.5	138+83.45	706.672	0.194	2.33	SA-G2	9.723	8.000	1.2500	0.000			1.314	0.7500		6.768			



<u>Final Dead Load Defl. Left Girder (ft)</u>	<u>Final Dead Load Defl. Right Girder (ft)</u>	<u>Top of Girder Web Elev. (Left)</u>	<u>Top of Girder Web Elev. (Right)</u>	<u>(SW<sub>1</sub>) No Load Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SW<sub>2</sub>) Final Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SS<sub>1</sub>) Slope of Stringer line G1-G2 (%)</u>	<u>Str.</u>	<u>Δ<sub>g, str</sub> (ft)</u>	<u>No Load Top of Stringer Elev.</u>	<u>Final Stringer Haunch (in)</u>	<u>Depth of Stringer (ft)</u>	<u>Elev. Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Depth of Diaphragm (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)</u>	<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>
-0.078	-0.084	706.557	706.382	0.892	0.922	1.970	A	0.1910	706.823	2.868	1.5521	705.271	1.286	1.111	2.3646	4.349	4.524	3.9167	3.9167	0.75	0.75	OK	OK	5.19	7.29
-0.084	-0.086	706.382	705.992				C	0.1934	706.435	2.840	1.5521	704.883	1.499	1.109	2.3646	4.137	4.527	3.9167	3.9167	0.75	0.75	OK	OK	2.64	7.32
-0.086	-0.086	705.992	705.597				E	0.1965	706.044	2.849	1.5521	704.491	1.501	1.106	2.3646	4.135	4.530	3.9167	3.9167	0.75	0.75	OK	OK	2.62	7.36
-0.086	-0.083	705.597	705.197				G	0.1998	705.647	2.871	1.5521	704.095	1.502	1.102	2.3646	4.133	4.533	3.9167	3.9167	0.75	0.75	OK	OK	2.60	7.40
-0.060	-0.068	706.452	706.268	0.941	0.981	1.950	A	0.1890	706.707	3.024	1.5521	705.155	1.297	1.113	2.3646	4.338	4.522	3.9167	3.9167	0.75	0.75	OK	OK	5.06	7.27
-0.068	-0.070	706.268	705.880				C	0.1929	706.323	2.977	1.5521	704.771	1.497	1.109	2.3646	4.138	4.526	3.9167	3.9167	0.75	0.75	OK	OK	2.66	7.31
-0.070	-0.072	705.880	705.489				E	0.1950	705.934	2.976	1.5521	704.382	1.498	1.107	2.3646	4.137	4.528	3.9167	3.9167	0.75	0.75	OK	OK	2.65	7.34
-0.072	-0.069	705.489	705.092				G	0.1987	705.541	2.980	1.5521	703.989	1.500	1.103	2.3646	4.135	4.532	3.9167	3.9167	0.75	0.75	OK	OK	2.62	7.38
-0.053	-0.062	706.345	706.147	1.015	1.062	1.954	A	0.1905	706.588	3.102	1.5521	705.035	1.310	1.112	2.3646	4.326	4.524	3.9167	3.9167	0.75	0.75	OK	OK	4.91	7.29
-0.062	-0.064	706.147	705.762				C	0.1925	706.205	3.042	1.5521	704.652	1.495	1.110	2.3646	4.141	4.526	3.9167	3.9167	0.75	0.75	OK	OK	2.69	7.31
-0.064	-0.067	705.762	705.373				E	0.1945	705.818	3.042	1.5521	704.265	1.497	1.108	2.3646	4.139	4.528	3.9167	3.9167	0.75	0.75	OK	OK	2.67	7.33
-0.067	-0.064	705.373	704.978				G	0.1975	705.426	3.030	1.5521	703.873	1.500	1.105	2.3646	4.136	4.531	3.9167	3.9167	0.75	0.75	OK	OK	2.63	7.37
-0.048	-0.057	706.223	706.026	1.010	1.056	1.951	A	0.1885	706.465	3.162	1.5521	704.912	1.311	1.114	2.3646	4.325	4.522	3.9167	3.9167	0.75	0.75	OK	OK	4.90	7.26
-0.057	-0.059	706.026	705.642				C	0.1909	706.083	3.097	1.5521	704.531	1.495	1.111	2.3646	4.140	4.524	3.9167	3.9167	0.75	0.75	OK	OK	2.68	7.29
-0.059	-0.062	705.642	705.252				E	0.1945	705.697	3.090	1.5521	704.144	1.498	1.108	2.3646	4.138	4.528	3.9167	3.9167	0.75	0.75	OK	OK	2.65	7.33
-0.062	-0.060	705.252	704.859				G	0.1967	705.306	3.076	1.5521	703.754	1.498	1.105	2.3646	4.137	4.530	3.9167	3.9167	0.75	0.75	OK	OK	2.64	7.36
-0.044	-0.051	706.096	705.898	1.015	1.051	1.968	A	0.1895	706.338	3.269	1.5521	704.785	1.311	1.113	2.3646	4.325	4.523	3.9167	3.9167	0.75	0.75	OK	OK	4.90	7.27
-0.051	-0.054	705.898	705.515				C	0.1899	705.955	3.218	1.5521	704.403	1.495	1.112	2.3646	4.140	4.523	3.9167	3.9167	0.75	0.75	OK	OK	2.68	7.28
-0.054	-0.057	705.515	705.127				E	0.1930	705.570	3.203	1.5521	704.018	1.497	1.109	2.3646	4.138	4.526	3.9167	3.9167	0.75	0.75	OK	OK	2.66	7.32
-0.057	-0.057	705.127	704.736				G	0.1953	705.181	3.189	1.5521	703.629	1.498	1.107	2.3646	4.138	4.529	3.9167	3.9167	0.75	0.75	OK	OK	2.65	7.34
-0.118	-0.127	705.939	705.742	1.010	1.056	1.962	A	0.1905	706.183	3.594	1.5521	704.630	1.309	1.112	2.3646	7.207	7.404	6	6	0.75	0.75	OK	OK	14.48	16.85
-0.127	-0.131	705.742	705.360				C	0.1903	705.800	3.536	1.5521	704.248	1.494	1.112	2.3646	7.022	7.404	6	6	0.75	0.75	OK	OK	12.26	16.84
-0.131	-0.130	705.360	704.974				E	0.1925	705.416	3.438	1.5521	703.864	1.496	1.110	2.3646	7.020	7.406	6	6	0.75	0.75	OK	OK	12.24	16.87
-0.130	-0.124	704.974	704.581				G	0.1961	705.027	3.359	1.5521	703.475	1.499	1.106	2.3646	7.016	7.409	6	6	0.75	0.75	OK	OK	12.20	16.91
-0.221	-0.236	705.906	705.713	0.990	1.067	1.919	A	0.1865	706.150	3.798	1.5521	704.597	1.309	1.116	2.3646	4.643	4.836	3.9167	3.9167	0.73	0.73	OK	OK	8.71	11.03
-0.236	-0.240	705.713	705.331				C	0.1904	705.771	3.691	1.5521	704.219	1.494	1.112	2.3646	4.458	4.840	3.9167	3.9167	0.73	0.73	OK	OK	6.49	11.08
-0.240	-0.235	705.331	704.942				E	0.1939	705.386	3.565	1.5521	703.834	1.497	1.108	2.3646	4.454	4.843	3.9167	3.9167	0.73	0.73	OK	OK	6.45	11.12
-0.235	-0.221	704.942	704.544				G	0.1984	704.992	3.427	1.5521	703.440	1.502	1.104	2.3646	4.450	4.848	3.9167	3.9167	0.73	0.73	OK	OK	6.40	11.17
-0.339	-0.359	705.907	705.717	0.974	1.077	1.893	A	0.1840	706.151	3.888	1.5521	704.599	1.308	1.118	2.3646	4.327	4.517	3.9167	3.9167	0.75	0.75	OK	OK	4.93	7.21
-0.359	-0.362	705.717	705.336				C	0.1900	705.776	3.744	1.5521	704.224	1.493	1.112	2.3646	4.142	4.523	3.9167	3.9167	0.75	0.75	OK	OK	2.71	7.28
-0.362	-0.352	705.336	704.943				E	0.1960	705.389	3.588	1.5521	703.837	1.499	1.106	2.3646	4.136	4.529	3.9167	3.9167	0.75	0.75	OK	OK	2.64	7.35
-0.352	-0.326	704.943	704.538				G	0.2020	704.990	3.384	1.5521	703.438	1.505	1.100	2.3646	4.130	4.535	3.9167	3.9167	0.75	0.75	OK	OK	2.56	7.42



<u>Final Dead Load Defl. Left Girder (ft)</u>	<u>Final Dead Load Defl. Right Girder (ft)</u>	<u>Top of Girder Web Elev. (Left)</u>	<u>Top of Girder Web Elev. (Right)</u>	<u>(SW<sub>1</sub>) No Load Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SW<sub>2</sub>) Final Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SS<sub>1</sub>) Slope of Stringer line G1-G2 (%)</u>	<u>Str.</u>	<u>Δ<sub>g, str</sub> (ft)</u>	<u>No Load Top of Stringer Elev.</u>	<u>Final Stringer Haunch (in)</u>	<u>Depth of Stringer (ft)</u>	<u>Elev. Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Depth of Diaphragm (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)</u>	<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>
-0.446	-0.469	705.907	705.719	0.964	1.082	1.876	A	0.1825	706.152	3.858	1.5521	704.599	1.308	1.120	2.3646	4.328	4.516	3.9167	3.9167	0.75	0.75	OK	OK	4.93	7.19
-0.469	-0.473	705.719	705.337				C	0.1905	705.777	3.714	1.5521	704.225	1.494	1.112	2.3646	4.142	4.524	3.9167	3.9167	0.75	0.75	OK	OK	2.70	7.29
-0.473	-0.458	705.337	704.940				E	0.1978	705.388	3.530	1.5521	703.836	1.501	1.104	2.3646	4.134	4.531	3.9167	3.9167	0.75	0.75	OK	OK	2.61	7.37
-0.458	-0.423	704.940	704.530				G	0.2043	704.984	3.272	1.5521	703.432	1.508	1.098	2.3646	4.128	4.538	3.9167	3.9167	0.75	0.75	OK	OK	2.53	7.45
-0.517	-0.542	705.877	705.689	0.964	1.092	1.868	A	0.1815	706.121	3.762	1.5521	704.568	1.309	1.121	2.3646	4.327	4.515	3.9167	3.9167	0.75	0.75	OK	OK	4.92	7.18
-0.542	-0.546	705.689	705.306				C	0.1904	705.746	3.619	1.5521	704.194	1.495	1.112	2.3646	4.141	4.524	3.9167	3.9167	0.75	0.75	OK	OK	2.69	7.28
-0.546	-0.528	705.306	704.907				E	0.1979	705.355	3.409	1.5521	703.803	1.503	1.104	2.3646	4.132	4.531	3.9167	3.9167	0.75	0.75	OK	OK	2.59	7.37
-0.528	-0.488	704.907	704.491				G	0.2064	704.947	3.139	1.5521	703.395	1.512	1.096	2.3646	4.124	4.540	3.9167	3.9167	0.75	0.75	OK	OK	2.48	7.48
-0.540	-0.563	705.792	705.602	0.974	1.092	1.890	A	0.1845	706.036	3.594	1.5521	704.484	1.308	1.118	2.3646	4.328	4.518	3.9167	3.9167	0.75	0.75	OK	OK	4.93	7.21
-0.563	-0.566	705.602	705.217				C	0.1919	705.659	3.469	1.5521	704.107	1.495	1.110	2.3646	4.140	4.525	3.9167	3.9167	0.75	0.75	OK	OK	2.68	7.30
-0.566	-0.547	705.217	704.816				E	0.1991	705.265	3.275	1.5521	703.713	1.504	1.103	2.3646	4.131	4.532	3.9167	3.9167	0.75	0.75	OK	OK	2.58	7.39
-0.547	-0.507	704.816	704.399				G	0.2072	704.856	3.022	1.5521	703.304	1.512	1.095	2.3646	4.124	4.541	3.9167	3.9167	0.75	0.75	OK	OK	2.48	7.49
-0.509	-0.527	705.653	705.468	0.943	1.035	1.907	A	0.1870	705.905	3.420	1.5521	704.353	1.300	1.115	2.3646	4.335	4.520	3.9167	3.9167	0.75	0.75	OK	OK	5.02	7.24
-0.527	-0.528	705.468	705.079				C	0.1945	705.524	3.306	1.5521	703.971	1.497	1.108	2.3646	4.139	4.528	3.9167	3.9167	0.75	0.75	OK	OK	2.67	7.33
-0.528	-0.511	705.079	704.676				E	0.2015	705.128	3.150	1.5521	703.575	1.504	1.101	2.3646	4.132	4.535	3.9167	3.9167	0.75	0.75	OK	OK	2.58	7.42
-0.511	-0.475	704.676	704.263				G	0.2062	704.719	2.937	1.5521	703.167	1.509	1.096	2.3646	4.127	4.540	3.9167	3.9167	0.75	0.75	OK	OK	2.52	7.47
-0.437	-0.449	705.468	705.288	0.911	0.972	1.944	A	0.1920	705.730	3.288	1.5521	704.178	1.290	1.110	2.3646	4.345	4.525	3.9167	3.9167	0.75	0.75	OK	OK	5.14	7.30
-0.449	-0.448	705.288	704.896				C	0.1960	705.342	3.192	1.5521	703.790	1.498	1.106	2.3646	4.137	4.529	3.9167	3.9167	0.75	0.75	OK	OK	2.65	7.35
-0.448	-0.433	704.896	704.492				E	0.2020	704.944	3.072	1.5521	703.392	1.504	1.100	2.3646	4.131	4.535	3.9167	3.9167	0.75	0.75	OK	OK	2.58	7.42
-0.433	-0.405	704.492	704.084				G	0.2035	704.537	2.922	1.5521	702.985	1.507	1.099	2.3646	4.129	4.537	3.9167	3.9167	0.75	0.75	OK	OK	2.55	7.44
-0.346	-0.351	705.262	705.088	0.875	0.900	1.966	A	0.1955	705.534	3.198	1.5521	703.981	1.281	1.107	2.3646	4.670	4.844	3.9167	3.9167	0.73	0.73	OK	OK	9.04	11.13
-0.351	-0.349	705.088	704.692				C	0.1980	705.140	3.144	1.5521	703.588	1.500	1.104	2.3646	4.450	4.846	3.9167	3.9167	0.73	0.73	OK	OK	6.40	11.16
-0.349	-0.339	704.692	704.289				E	0.2015	704.740	3.078	1.5521	703.188	1.504	1.101	2.3646	4.447	4.850	3.9167	3.9167	0.73	0.73	OK	OK	6.36	11.20
-0.339	-0.320	704.289	703.889				G	0.1997	704.339	2.979	1.5521	702.787	1.502	1.102	2.3646	4.448	4.848	3.9167	3.9167	0.73	0.73	OK	OK	6.38	11.18
-0.161	-0.163	704.724	704.571	0.754	0.764	1.991	A	0.2020	705.023	3.348	1.5521	703.471	1.253	1.100	2.3646	4.382	4.535	3.9167	3.9167	0.75	0.75	OK	OK	5.59	7.42
-0.163	-0.160	704.571	704.168				C	0.2015	704.620	3.306	1.5521	703.067	1.504	1.101	2.3646	4.132	4.535	3.9167	3.9167	0.75	0.75	OK	OK	2.58	7.42
-0.160	-0.159	704.168	703.763				E	0.2025	704.216	3.318	1.5521	702.663	1.505	1.100	2.3646	4.131	4.536	3.9167	3.9167	0.75	0.75	OK	OK	2.57	7.43
-0.159	-0.149	703.763	703.364				G	0.1994	703.813	3.271	1.5521	702.261	1.502	1.103	2.3646	4.134	4.533	3.9167	3.9167	0.75	0.75	OK	OK	2.60	7.39
-0.139	-0.144	704.586	704.443	0.700	0.725	1.983	A	0.2025	704.896	3.402	1.5521	703.343	1.243	1.100	2.3646	4.393	4.536	3.9167	3.9167	0.75	0.75	OK	OK	5.71	7.43
-0.144	-0.142	704.443	704.041				C	0.2010	704.492	3.348	1.5521	702.940	1.503	1.101	2.3646	4.132	4.534	3.9167	3.9167	0.75	0.75	OK	OK	2.59	7.41
-0.142	-0.142	704.041	703.633				E	0.2040	704.087	3.360	1.5521	702.535	1.506	1.098	2.3646	4.129	4.537	3.9167	3.9167	0.75	0.75	OK	OK	2.55	7.45
-0.142	-0.133	703.633	703.231				G	0.2010	703.682	3.336	1.5521	702.130	1.503	1.101	2.3646	4.132	4.534	3.9167	3.9167	0.75	0.75	OK	OK	2.59	7.41

1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck				Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>E</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)	Girder Haunch (Bottom of Slab to Top of Web) (Right) (in)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)
				Elevation	Elev Diff btwn Points (ft)	Elev Diff btwn Girders (in)	Dist btwn Points (ft)					Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)							
A56	GDR1	-47.849	141+30.00	705.615																	
A56	STRINGERA	-37.569	141+30.00	705.68	-0.065	-0.78	G1-SA	10.280	8.000		1.2500	0.000	-0.034		1.284	0.7500	6.408		704.331		
A56	GDR2	-27.289	141+30.00	705.475	0.205	2.46	SA-G2	10.280		8.000	1.2500	0.000		-0.032		1.282	0.7500	6.384	704.193	704.193	
A56	STRINGERC	-17.161	141+30.00	705.272	0.203	2.44	G2-SC	10.128	8.000		1.2500	0.000	-0.032		1.282	0.7500	6.384		704.193		
A56	GDR3	-7.033	141+30.00	705.07	0.202	2.42	SC-G3	10.128		8.000	1.2500	0.000		-0.030		1.280	0.7500	6.360	703.790	703.790	
A56	STRINGERE	3.129	141+30.00	704.867	0.203	2.44	G3-SE	10.162	8.000		1.2500	0.000	-0.030		1.280	0.7500	6.360		703.790		
A56	GDR4	13.292	141+30.00	704.663	0.204	2.45	SE-G4	10.163		8.000	1.2500	0.000		-0.033		1.283	0.7500	6.396	703.380	703.380	
A56	STRINGERG	23.146	141+30.00	704.466	0.197	2.36	G4-SG	9.854	8.000		1.2500	0.000	-0.033		1.283	0.7500	6.396		703.380		
A56	GDR5	33	141+30.00	704.269	0.197	2.36	SG-G5	9.854		8.000	1.2500	0.000		-0.035		1.285	0.7500	6.420	702.984	702.984	
A57	GDR1	-48.296	141+52.33	705.501																	
A57	STRINGERA	-37.948	141+52.33	705.576	-0.075	-0.90	G1-SA	10.348	8.000		1.2500	0.000	-0.036		1.286	0.7500	6.432		704.215		
A57	GDR2	-27.601	141+52.33	705.369	0.207	2.48	SA-G2	10.347		8.000	1.2500	0.000		-0.033		1.283	0.7500	6.396	704.086	704.086	
A57	STRINGERC	-17.424	141+52.33	705.166	0.203	2.44	G2-SC	10.177	8.000		1.2500	0.000	-0.033		1.283	0.7500	6.396		704.086		
A57	GDR3	-7.248	141+52.33	704.962	0.204	2.45	SC-G3	10.176		8.000	1.2500	0.000		-0.032		1.282	0.7500	6.384	703.680	703.680	
A57	STRINGERE	2.967	141+52.33	704.758	0.204	2.45	G3-SE	10.215	8.000		1.2500	0.000	-0.032		1.282	0.7500	6.384		703.680		
A57	GDR4	13.183	141+52.33	704.554	0.204	2.45	SE-G4	10.216		8.000	1.2500	0.000		-0.035		1.285	0.7500	6.420	703.269	703.269	
A57	STRINGERG	23.091	141+52.33	704.356	0.198	2.38	G4-SG	9.908	8.000		1.2500	0.000	-0.035		1.285	0.7500	6.420		703.269		
A57	GDR5	33	141+52.33	704.157	0.199	2.39	SG-G5	9.909		8.000	1.2500	0.000		-0.038		1.288	0.7500	6.456	702.869	702.869	
A58	GDR1	-48.742	141+74.66	705.387																	
A58	STRINGERA	-38.327	141+74.66	705.472	-0.085	-1.02	G1-SA	10.415	8.000		1.2500	0.000	-0.040		1.290	0.7500	6.480		704.097		
A58	GDR2	-27.912	141+74.66	705.264	0.208	2.50	SA-G2	10.415		8.000	1.2500	0.000		-0.037		1.287	0.7500	6.444	703.977	703.977	
A58	STRINGERC	-17.687	141+74.66	705.06	0.204	2.45	G2-SC	10.225	8.000		1.2500	0.000	-0.037		1.287	0.7500	6.444		703.977		
A58	GDR3	-7.463	141+74.66	704.855	0.205	2.46	SC-G3	10.224		8.000	1.2500	0.000		-0.036		1.286	0.7500	6.432	703.569	703.569	
A58	STRINGERE	2.806	141+74.66	704.65	0.205	2.46	G3-SE	10.269	8.000		1.2500	0.000	-0.036		1.286	0.7500	6.432		703.569		
A58	GDR4	13.073	141+74.66	704.444	0.206	2.47	SE-G4	10.267		8.000	1.2500	0.000		-0.039		1.289	0.7500	6.468	703.155	703.155	
A58	STRINGERG	23.037	141+74.67	704.245	0.199	2.39	G4-SG	9.964	8.000		1.2500	0.000	-0.039		1.289	0.7500	6.468		703.155		
A58	GDR5	33	141+74.67	704.046	0.199	2.39	SG-G5	9.963		8.000	1.2500	0.000		-0.044		1.294	0.7500	6.528	702.752	702.752	
A59	GDR1	-49.569	142+15.98	705.19																	
A59	STRINGERA	-39.028	142+15.99	705.28	-0.090	-1.08	G1-SA	10.541	10.880		1.2500	0.000	-0.050		1.300	0.7500	6.600		703.890		
A59	GDR2	-28.489	142+15.99	705.069	0.211	2.53	SA-G2	10.539		10.880	1.2500	0.000		-0.047		1.297	0.7500	6.564	703.772	703.772	
A59	STRINGERC	-18.174	142+15.99	704.863	0.206	2.47	G2-SC	10.315	10.880		1.2500	0.000	-0.047		1.297	0.7500	6.564		703.772		
A59	GDR3	-7.86	142+15.99	704.656	0.207	2.48	SC-G3	10.314		10.880	1.2500	0.000		-0.048		1.298	0.7500	6.576	703.358	703.358	
A59	STRINGERE	2.506	142+15.99	704.449	0.207	2.48	G3-SE	10.366	10.880		1.2500	0.000	-0.048		1.298	0.7500	6.576		703.358		
A59	GDR4	12.871	142+16.00	704.242	0.207	2.48	SE-G4	10.365		10.880	1.2500	0.000		-0.050		1.300	0.7500	6.600	702.942	702.942	
A59	STRINGERG	22.936	142+16.00	704.04	0.202	2.42	G4-SG	10.065	10.880		1.2500	0.000	-0.050		1.300	0.7500	6.600		702.942		
A59	GDR5	33	142+16.00	703.839	0.201	2.41	SG-G5	10.064		10.880	1.2500	0.000		-0.055		1.305	0.7500	6.660	702.534	702.534	
A60	GDR1	-50.069	142+40.98	705.075																	
A60	STRINGERA	-39.453	142+40.98	705.163	-0.088	-1.06	G1-SA	10.616	8.316		1.2500	0.000	-0.054		1.304	0.7500	6.648		703.771		
A60	GDR2	-28.837	142+40.98	704.951	0.212	2.54	SA-G2	10.616		8.316	1.2500	0.000		-0.054		1.304	0.7500	6.648	703.647	703.647	
A60	STRINGERC	-18.469	142+40.99	704.744	0.207	2.48	G2-SC	10.368	8.316		1.2500	0.000	-0.054		1.304	0.7500	6.648		703.647		
A60	GDR3	-8.101	142+40.99	704.536	0.208	2.50	SC-G3	10.368		8.316	1.2500	0.000		-0.054		1.304	0.7500	6.648	703.232	703.232	
A60	STRINGERE	2.325	142+40.99	704.328	0.208	2.50	G3-SE	10.426	8.316		1.2500	0.000	-0.054		1.304	0.7500	6.648		703.232		
A60	GDR4	12.749	142+40.99	704.119	0.209	2.51	SE-G4	10.424		8.316	1.2500	0.000		-0.057		1.307	0.7500	6.684	702.812	702.812	
A60	STRINGERG	22.875	142+41.00	703.917	0.202	2.42	G4-SG	10.126	8.316		1.2500	0.000	-0.057		1.307	0.7500	6.684		702.812		
A60	GDR5	33	142+41.00	703.714	0.203	2.44	SG-G5	10.125		8.316	1.2500	0.000		-0.059		1.309	0.7500	6.708	702.405	702.405	
A61	GDR1	-50.509	142+63.00	704.974																	
A61	STRINGERA	-39.826	142+63.00	705.061	-0.087	-1.04	G1-SA	10.683	8.000		1.2500	0.000	-0.049		1.299	0.7500	6.588		703.675		
A61	GDR2	-29.144	142+63.00	704.847	0.214	2.57	SA-G2	10.682		8.000	1.2500	0.000		-0.051		1.301	0.7500	6.612	703.546	703.546	
A61	STRINGERC	-18.728	142+63.00	704.639	0.208	2.50	G2-SC	10.416	8.000		1.2500	0.000	-0.051		1.301	0.7500	6.612		703.546		
A61	GDR3	-8.312	142+63.00	704.43	0.209	2.51	SC-G3	10.416		8.000	1.2500	0.000		-0.052		1.302	0.7500	6.624	703.128	703.128	
A61	STRINGERE	2.165	142+63.00	704.221	0.209	2.51	G3-SE	10.477	8.000		1.2500	0.000	-0.052		1.302	0.7500	6.624		703.128		
A61	GDR4	12.642	142+63.00	704.011	0.210	2.52	SE-G4	10.477		8.000	1.2500	0.000		-0.054		1.304	0.7500	6.648	702.707	702.707	
A61	STRINGERG	22.821	142+63.00	703.808	0.203	2.44	G4-SG	10.179	8.000		1.2500	0.000	-0.054		1.304	0.7500	6.648		702.707		
A61	GDR5	33	142+63.00	703.604	0.204	2.45	SG-G5	10.179		8.000	1.2500	0.000		-0.055		1.305	0.7500	6.660	702.299	702.299	
A62	GDR1	-50.949	142+85.00	704.873																	
A62	STRINGERA	-40.2	142+85.00	704.958	-0.085	-1.02	G1-SA	10.749	8.000		1.2500	0.000	-0.037		1.287	0.7500	6.444		703.586		
A62	GDR2	-29.451	142+85.00	704.743	0.215	2.58	SA-G2	10.749		8.000	1.2500	0.000		-0.040		1.290	0.7500	6.480	703.453	703.453	
A62	STRINGERC	-18.987	142+85.00	704.534	0.209	2.51	G2-SC	10.464	8.000		1.2500	0.000	-0.040		1.290	0.7500	6.480		703.453		
A62	GDR3	-8.524	142+85.00	704.325	0.209	2.51	SC-G3	10.463		8.000	1.2500	0.000		-0.041		1.291	0.7500	6.492	703.034	703.034	
A62	STRINGERE	2.005	142+85.00	704.114	0.211	2.53	G3-SE	10.529	8.000		1.2500	0.000	-0.041		1.291	0.7500	6.492		703.034		
A62	GDR4	12.534	142+85.00	703.903	0.211	2.53	SE-G4	10.529		8.000	1.2500	0.000		-0.043		1.293	0.7500	6.516	702.610	702.610	
A62	STRINGERG	22.767	142+85.00	703.699	0.204	2.45	G4-SG	10.233	8.000		1.2500	0.000	-0.043		1.293	0.7500	6.516		702.610		
A62	GDR5	33	142+85.00	703.494	0.205	2.46	SG-G5	10.233		8.000	1.2500	0.000		-0.043		1.293	0.7500	6.516	702.201	702.201	
A63	GDR1																				

<u>Final Dead Load Defl. Left Girder (ft)</u>	<u>Final Dead Load Defl. Right Girder (ft)</u>	<u>Top of Girder Web Elev. (Left)</u>	<u>Top of Girder Web Elev. (Right)</u>	<u>(SW<sub>o</sub>) No Load Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SW<sub>e</sub>) Final Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SS<sub>o</sub>) Slope of Stringer line G1-G2 (%)</u>	<u>Str.</u>	<u>Δ<sub>e</sub> str (ft)</u>	<u>No Load Top of Stringer Elev.</u>	<u>Final Stringer Haunch (in)</u>	<u>Depth of Stringer (ft)</u>	<u>Elev. Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Depth of Diaphragm (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)</u>	<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>
-0.127	-0.132	704.458	704.325	0.647	0.671	1.970	A	0.2025	704.778	3.414	1.5521	703.225	1.233	1.100	2.3646	4.403	4.536	3.9167	3.9167	0.75	0.75	OK	OK	5.83	7.43
-0.132	-0.131	704.325	703.921				C	0.2020	704.373	3.360	1.5521	702.821	1.504	1.100	2.3646	4.131	4.535	3.9167	3.9167	0.75	0.75	OK	OK	2.58	7.42
-0.131	-0.131	703.921	703.511				E	0.2050	703.966	3.384	1.5521	702.414	1.507	1.097	2.3646	4.128	4.538	3.9167	3.9167	0.75	0.75	OK	OK	2.54	7.46
-0.131	-0.123	703.511	703.107				G	0.2020	703.559	3.360	1.5521	702.007	1.504	1.100	2.3646	4.131	4.535	3.9167	3.9167	0.75	0.75	OK	OK	2.58	7.42
-0.114	-0.119	704.329	704.205	0.599	0.623	1.976	A	0.2045	704.660	3.426	1.5521	703.107	1.222	1.098	2.3646	4.414	4.538	3.9167	3.9167	0.75	0.75	OK	OK	5.97	7.45
-0.119	-0.119	704.205	703.799				C	0.2030	704.252	3.396	1.5521	702.700	1.505	1.099	2.3646	4.130	4.536	3.9167	3.9167	0.75	0.75	OK	OK	2.56	7.44
-0.119	-0.119	703.799	703.388				E	0.2055	703.844	3.402	1.5521	702.291	1.508	1.097	2.3646	4.128	4.539	3.9167	3.9167	0.75	0.75	OK	OK	2.53	7.47
-0.119	-0.113	703.388	702.982				G	0.2030	703.435	3.408	1.5521	701.883	1.505	1.099	2.3646	4.130	4.536	3.9167	3.9167	0.75	0.75	OK	OK	2.56	7.44
-0.087	-0.091	704.184	704.068	0.557	0.576	1.978	A	0.2060	704.524	3.468	1.5521	702.972	1.212	1.096	2.3646	4.423	4.539	3.9167	3.9167	0.75	0.75	OK	OK	6.08	7.47
-0.091	-0.092	704.068	703.661				C	0.2035	704.114	3.450	1.5521	702.562	1.506	1.099	2.3646	4.130	4.537	3.9167	3.9167	0.75	0.75	OK	OK	2.56	7.44
-0.092	-0.094	703.661	703.249				E	0.2060	703.705	3.468	1.5521	702.153	1.508	1.096	2.3646	4.127	4.539	3.9167	3.9167	0.75	0.75	OK	OK	2.53	7.47
-0.094	-0.092	703.249	702.844				G	0.2025	703.296	3.486	1.5521	701.744	1.505	1.100	2.3646	4.131	4.536	3.9167	3.9167	0.75	0.75	OK	OK	2.57	7.43
-0.093	-0.101	703.983	703.873	0.522	0.560	1.964	A	0.2070	704.330	3.612	1.5521	702.778	1.205	1.095	2.3646	7.310	7.420	6	6	0.75	0.75	OK	OK	15.72	17.04
-0.101	-0.106	703.873	703.464				C	0.2045	703.918	3.606	1.5521	702.366	1.507	1.098	2.3646	7.009	7.418	6	6	0.75	0.75	OK	OK	12.11	17.01
-0.106	-0.107	703.464	703.049				E	0.2075	703.506	3.594	1.5521	701.954	1.510	1.095	2.3646	7.006	7.421	6	6	0.75	0.75	OK	OK	12.07	17.05
-0.107	-0.106	703.049	702.640				G	0.2045	703.094	3.618	1.5521	701.542	1.507	1.098	2.3646	7.009	7.418	6	6	0.75	0.75	OK	OK	12.11	17.01
-0.149	-0.165	703.920	703.812	0.509	0.584	1.922	A	0.2040	704.266	3.744	1.5521	702.714	1.206	1.098	2.3646	4.745	4.853	3.9167	3.9167	0.73	0.73	OK	OK	9.94	11.24
-0.165	-0.172	703.812	703.404				C	0.2040	703.858	3.696	1.5521	702.306	1.506	1.098	2.3646	4.445	4.853	3.9167	3.9167	0.73	0.73	OK	OK	6.34	11.24
-0.172	-0.172	703.404	702.984				E	0.2100	703.444	3.672	1.5521	701.892	1.512	1.092	2.3646	4.439	4.859	3.9167	3.9167	0.73	0.73	OK	OK	6.27	11.31
-0.172	-0.163	702.984	702.568				G	0.2080	703.026	3.648	1.5521	701.474	1.510	1.094	2.3646	4.441	4.857	3.9167	3.9167	0.73	0.73	OK	OK	6.30	11.29
-0.212	-0.236	703.887	703.782	0.491	0.604	1.891	A	0.2020	704.234	3.756	1.5521	702.682	1.205	1.100	2.3646	4.430	4.535	3.9167	3.9167	0.75	0.75	OK	OK	6.16	7.42
-0.236	-0.245	703.782	703.373				C	0.2045	703.828	3.678	1.5521	702.275	1.507	1.098	2.3646	4.129	4.538	3.9167	3.9167	0.75	0.75	OK	OK	2.55	7.45
-0.245	-0.243	703.373	702.950				E	0.2115	703.412	3.630	1.5521	701.859	1.514	1.091	2.3646	4.122	4.545	3.9167	3.9167	0.75	0.75	OK	OK	2.46	7.54
-0.243	-0.226	702.950	702.525				G	0.2125	702.988	3.558	1.5521	701.435	1.515	1.090	2.3646	4.121	4.546	3.9167	3.9167	0.75	0.75	OK	OK	2.45	7.55
-0.262	-0.290	703.848	703.743	0.488	0.619	1.870	A	0.2010	704.194	3.648	1.5521	702.642	1.206	1.101	2.3646	4.429	4.534	3.9167	3.9167	0.75	0.75	OK	OK	6.15	7.41
-0.290	-0.301	703.743	703.335				C	0.2040	703.789	3.552	1.5521	702.237	1.506	1.098	2.3646	4.129	4.537	3.9167	3.9167	0.75	0.75	OK	OK	2.55	7.45
-0.301	-0.296	703.335	702.906				E	0.2145	703.371	3.474	1.5521	701.818	1.517	1.088	2.3646	4.119	4.548	3.9167	3.9167	0.75	0.75	OK	OK	2.43	7.57
-0.296	-0.274	702.906	702.475				G	0.2155	702.941	3.390	1.5521	701.388	1.518	1.087	2.3646	4.118	4.549	3.9167	3.9167	0.75	0.75	OK	OK	2.41	7.59
-0.281	-0.309	703.788	703.682	0.490	0.620	1.869	A	0.2020	704.134	3.480	1.5521	702.582	1.206	1.100	2.3646	4.429	4.535	3.9167	3.9167	0.75	0.75	OK	OK	6.15	7.42
-0.309	-0.319	703.682	703.270				C	0.2060	703.726	3.384	1.5521	702.174	1.508	1.096	2.3646	4.127	4.539	3.9167	3.9167	0.75	0.75	OK	OK	2.53	7.47
-0.319	-0.314	703.270	702.839				E	0.2155	703.305	3.318	1.5521	701.752	1.518	1.087	2.3646	4.118	4.549	3.9167	3.9167	0.75	0.75	OK	OK	2.41	7.59
-0.314	-0.290	702.839	702.404				G	0.2175	702.872	3.222	1.5521	701.319	1.520	1.085	2.3646	4.116	4.551	3.9167	3.9167	0.75	0.75	OK	OK	2.39	7.61

1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck		Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>F</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)	Girder Haunch (Bottom of Slab to Top of Web) (Right) (in)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)
				Elevation	Elev Diff btwn Points (ft)						Elev Diff btwn Girders (in)	Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)							
A64	GDR1	-51.749	143+25.00	704.689																
A64	STRINGERA	-40.879	143+25.00	704.772	-0.083	-1.00	G1-SA	10.870	8.000	1.2500	0.000	-0.013	1.263		0.7500	6.156		703.426		
A64	GDR2	-30.009	143+25.00	704.554	0.218	2.62	SA-G2	10.870		1.2500	0.000			1.264	0.7500		6.168		703.290	
A64	STRINGERC	-19.459	143+25.00	704.343	0.211	2.53	G2-SC	10.550	8.000	1.2500	0.000	-0.014	1.264		0.7500		6.168		703.290	
A64	GDR3	-8.909	143+25.00	704.132	0.211	2.53	SC-G3	10.550	8.000	1.2500	0.000			1.263	0.7500		6.156		702.869	
A64	STRINGERE	1.715	143+25.00	703.92	0.212	2.54	G3-SE	10.624	8.000	1.2500	0.000	-0.013	1.263		0.7500		6.156		702.869	
A64	GDR4	12.339	143+25.00	703.707	0.213	2.56	SE-G4	10.624	8.000	1.2500	0.000			1.268	0.7500		6.216		702.439	
A64	STRINGERG	22.669	143+25.00	703.501	0.206	2.47	G4-SG	10.330	8.000	1.2500	0.000	-0.018	1.268		0.7500		6.216		702.439	
A64	GDR5	33	143+25.00	703.294	0.207	2.48	SG-G5	10.331	8.000	1.2500	0.000			1.269	0.7500		6.228		702.025	
A65	GDR1	-52.189	143+47.00	704.588																
A65	STRINGERA	-41.252	143+47.00	704.669	-0.081	-0.97	G1-SA	10.937	8.000	1.2500	0.000	-0.006	1.256		0.7500		6.072		703.332	
A65	GDR2	-30.316	143+47.00	704.45	0.219	2.63	SA-G2	10.936	8.000	1.2500	0.000			1.254	0.7500		6.048		703.196	
A65	STRINGERC	-19.718	143+47.00	704.238	0.212	2.54	G2-SC	10.598	8.000	1.2500	0.000	-0.004	1.254		0.7500		6.048		703.196	
A65	GDR3	-9.12	143+47.00	704.027	0.211	2.53	SC-G3	10.598	8.000	1.2500	0.000			1.254	0.7500		6.048		702.773	
A65	STRINGERE	1.556	143+47.00	703.813	0.214	2.57	G3-SE	10.676	8.000	1.2500	0.000	-0.004	1.254		0.7500		6.048		702.773	
A65	GDR4	12.231	143+47.00	703.599	0.214	2.57	SE-G4	10.675	8.000	1.2500	0.000			1.257	0.7500		6.084		702.342	
A65	STRINGERG	22.616	143+47.00	703.392	0.207	2.48	G4-SG	10.385	8.000	1.2500	0.000	-0.007	1.257		0.7500		6.084		702.342	
A65	GDR5	33	143+47.00	703.184	0.208	2.50	SG-G5	10.384	8.000	1.2500	0.000			1.262	0.7500		6.144		701.922	
A66	GDR1	-52.629	143+69.02	704.486																
A66	STRINGERA	-41.626	143+69.02	704.567	-0.081	-0.97	G1-SA	11.003	8.315	1.2500	0.000	-0.008	1.258		0.7500		6.096		703.228	
A66	GDR2	-30.623	143+69.01	704.346	0.221	2.65	SA-G2	11.003	8.315	1.2500	0.000			1.253	0.7500		6.036		703.093	
A66	STRINGERC	-19.977	143+69.01	704.134	0.212	2.54	G2-SC	10.646	8.315	1.2500	0.000	-0.003	1.253		0.7500		6.036		703.093	
A66	GDR3	-9.332	143+69.01	703.921	0.213	2.56	SC-G3	10.645	8.315	1.2500	0.000			1.253	0.7500		6.036		702.668	
A66	STRINGERE	1.396	143+69.01	703.706	0.215	2.58	G3-SE	10.728	8.315	1.2500	0.000	-0.003	1.253		0.7500		6.036		702.668	
A66	GDR4	12.124	143+69.00	703.492	0.214	2.57	SE-G4	10.728	8.315	1.2500	0.000			1.256	0.7500		6.072		702.236	
A66	STRINGERG	22.562	143+69.00	703.283	0.209	2.51	G4-SG	10.438	8.315	1.2500	0.000	-0.006	1.256		0.7500		6.072		702.236	
A66	GDR5	33	143+69.00	703.074	0.209	2.51	SG-G5	10.438	8.315	1.2500	0.000			1.263	0.7500		6.156		701.811	
A67	GDR1	-53.129	143+94.01	704.372																
A67	STRINGERA	-42.045	143+94.01	704.45	-0.078	-0.94	G1-SA	11.084	10.879	1.2500	0.000	-0.018	1.268		0.7500		6.216		703.104	
A67	GDR2	-30.972	143+94.01	704.228	0.222	2.66	SA-G2	11.073	10.879	1.2500	0.000			1.262	0.7500		6.144		702.966	
A67	STRINGERC	-20.272	143+94.01	704.014	0.214	2.57	G2-SC	10.700	10.879	1.2500	0.000	-0.012	1.262		0.7500		6.144		702.966	
A67	GDR3	-9.572	143+94.01	703.801	0.213	2.56	SC-G3	10.700	10.879	1.2500	0.000			1.261	0.7500		6.132		702.540	
A67	STRINGERE	1.215	143+94.01	703.585	0.216	2.59	G3-SE	10.787	10.879	1.2500	0.000	-0.011	1.261		0.7500		6.132		702.540	
A67	GDR4	12.001	143+94.00	703.369	0.216	2.59	SE-G4	10.786	10.879	1.2500	0.000			1.264	0.7500		6.168		702.105	
A67	STRINGERG	22.501	143+94.00	703.159	0.210	2.52	G4-SG	10.500	10.879	1.2500	0.000	-0.014	1.264		0.7500		6.168		702.105	
A67	GDR5	33	143+94.00	702.949	0.210	2.52	SG-G5	10.499	10.879	1.2500	0.000			1.272	0.7500		6.264		701.677	
A68	GDR1	-53.954	144+35.34	704.182																
A68	STRINGERA	-42.723	144+35.34	704.257	-0.075	-0.90	G1-SA	11.231	8.000	1.2500	0.000	-0.034	1.284		0.7500		6.408		702.898	
A68	GDR2	-31.548	144+35.34	704.033	0.224	2.69	SA-G2	11.175	8.000	1.2500	0.000			1.277	0.7500		6.324		702.756	
A68	STRINGERC	-20.759	144+35.34	703.818	0.215	2.58	G2-SC	10.789	8.000	1.2500	0.000	-0.027	1.277		0.7500		6.324		702.756	
A68	GDR3	-9.97	144+35.34	703.602	0.216	2.59	SC-G3	10.789	8.000	1.2500	0.000			1.274	0.7500		6.288		702.328	
A68	STRINGERE	0.915	144+35.34	703.384	0.218	2.62	G3-SE	10.885	8.000	1.2500	0.000	-0.024	1.274		0.7500		6.288		702.328	
A68	GDR4	11.799	144+35.33	703.166	0.218	2.62	SE-G4	10.884	8.000	1.2500	0.000			1.279	0.7500		6.348		701.887	
A68	STRINGERG	22.4	144+35.33	702.954	0.212	2.54	G4-SG	10.601	8.000	1.2500	0.000	-0.029	1.279		0.7500		6.348		701.887	
A68	GDR5	33	144+35.33	702.742	0.212	2.54	SG-G5	10.600	8.000	1.2500	0.000			1.287	0.7500		6.444		701.455	
A69	GDR1	-54.312	144+57.67	704.082																
A69	STRINGERA	-43.077	144+57.67	704.152	-0.070	-0.84	G1-SA	11.235	8.000	1.2500	0.000	-0.039	1.289		0.7500		6.468		702.793	
A69	GDR2	-31.859	144+57.67	703.928	0.224	2.69	SA-G2	11.218	8.000	1.2500	0.000			1.283	0.7500		6.396		702.645	
A69	STRINGERC	-21.022	144+57.67	703.711	0.217	2.60	G2-SC	10.837	8.000	1.2500	0.000	-0.033	1.283		0.7500		6.396		702.645	
A69	GDR3	-10.185	144+57.67	703.494	0.217	2.60	SC-G3	10.837	8.000	1.2500	0.000			1.279	0.7500		6.348		702.215	
A69	STRINGERE	0.753	144+57.67	703.276	0.218	2.62	G3-SE	10.938	8.000	1.2500	0.000	-0.029	1.279		0.7500		6.348		702.215	
A69	GDR4	11.69	144+57.67	703.057	0.219	2.63	SE-G4	10.937	8.000	1.2500	0.000			1.284	0.7500		6.408		701.773	
A69	STRINGERG	22.345	144+57.67	702.844	0.213	2.56	G4-SG	10.655	8.000	1.2500	0.000	-0.034	1.284		0.7500		6.408		701.773	
A69	GDR5	33	144+57.67	702.631	0.213	2.56	SG-G5	10.655	8.000	1.2500	0.000			1.291	0.7500		6.492		701.340	
A70	GDR1	-54.659	144+80.00	703.984																
A70	STRINGERA	-43.414	144+80.00	704.047	-0.063	-0.76	G1-SA	11.245	8.000	1.2500	0.000	-0.041	1.291		0.7500		6.492		702.693	
A70	GDR2	-32.171	144+80.00	703.823	0.224	2.69	SA-G2	11.243	8.000	1.2500	0.000			1.284	0.7500		6.408		702.539	
A70	STRINGERC	-21.285	144+80.00	703.605	0.218	2.62	G2-SC	10.886	8.000	1.2500	0.000	-0.034	1.284		0.7500		6.408		702.539	
A70	GDR3	-10.4	144+80.00	703.387	0.218	2.62	SC-G3	10.885	8.000	1.2500	0.000			1.280	0.7500		6.360		702.107	
A70	STRINGERE	0.591	144+80.00	703.167	0.220	2.64	G3-SE	10.991	8.000	1.2500	0.000	-0.030	1.280		0.7500		6.360		702.107	
A70	GDR4	11.581	144+80.00	702.947	0.220	2.64	SE-G4	10.990	8.000	1.2500	0.000			1.285	0.7500		6.420		701.662	
A70	STRINGERG	22.291	144+80.00	702.733	0.214	2.57	G4-SG	10.710	8.000	1.2500	0.000	-0.035	1.285		0.7500		6.420		701.662	
A70	GDR5	33	144+80.00	702.519	0.214	2.57	SG-G5	10.709	8.000	1.2500	0.000			1.293	0.7500		6.516		701.226	
A71	GDR1	-55.006	145+02.33	703.885																
A71	STRINGERA	-43.751	145+02.33	703.942	-0.057	-0.68	G1-SA	11.255	8.000	1.2500	0.000	-0.044	1.294		0.7500		6.530		702.591	
A71	GDR2	-32.482	145+02.33	703.717	0.225	2.70	SA-G2	11.269	8.000	1.2500	0.000			1.286	0.7500		6.430		702.431	
A71	STRINGERC	-21.548	145+02.33	703.498	0.219	2.63	G2-SC	10.934	8.000	1.2500	0.000	-0.036	1.286		0.7500		6.			

<u>Final Dead Load Defl. Left Girder (ft)</u>	<u>Final Dead Load Defl. Right Girder (ft)</u>	<u>Top of Girder Web Elev. (Left)</u>	<u>Top of Girder Web Elev. (Right)</u>	<u>(SW<sub>o</sub>) No Load Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SW<sub>e</sub>) Final Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SS<sub>o</sub>) Slope of Stringer line G1-G2 (%)</u>	<u>Str.</u>	<u>Δ<sub>g, str</sub> (ft)</u>	<u>No Load Top of Stringer Elev.</u>	<u>Final Stringer Haunch (in)</u>	<u>Depth of Stringer (ft)</u>	<u>Elev. Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Depth of Diaphragm (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)</u>	<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>
-0.270	-0.295	703.696	703.585	0.511	0.626	1.891	A	0.2055	704.041	3.318	1.5521	702.488	1.208	1.097	2.3646	4.428	4.539	3.9167	3.9167	0.75	0.75	OK	OK	6.13	7.47
-0.295	-0.303	703.585	703.172				C	0.2065	703.629	3.210	1.5521	702.076	1.509	1.096	2.3646	4.127	4.540	3.9167	3.9167	0.75	0.75	OK	OK	2.52	7.48
-0.303	-0.299	703.172	702.738				E	0.2170	703.205	3.168	1.5521	701.653	1.519	1.085	2.3646	4.116	4.550	3.9167	3.9167	0.75	0.75	OK	OK	2.40	7.60
-0.299	-0.277	702.738	702.302				G	0.2180	702.770	3.096	1.5521	701.218	1.520	1.084	2.3646	4.115	4.551	3.9167	3.9167	0.75	0.75	OK	OK	2.38	7.62
-0.230	-0.247	703.562	703.443	0.544	0.622	1.925	A	0.2105	703.904	3.150	1.5521	702.351	1.211	1.092	2.3646	4.425	4.544	3.9167	3.9167	0.75	0.75	OK	OK	6.10	7.53
-0.247	-0.252	703.443	703.025				C	0.2090	703.484	3.072	1.5521	701.932	1.511	1.093	2.3646	4.124	4.542	3.9167	3.9167	0.75	0.75	OK	OK	2.49	7.51
-0.252	-0.249	703.025	702.591				E	0.2170	703.058	3.048	1.5521	701.506	1.519	1.085	2.3646	4.116	4.550	3.9167	3.9167	0.75	0.75	OK	OK	2.40	7.60
-0.249	-0.234	702.591	702.156				G	0.2175	702.623	3.030	1.5521	701.071	1.520	1.085	2.3646	4.116	4.551	3.9167	3.9167	0.75	0.75	OK	OK	2.39	7.61
-0.178	-0.184	703.406	703.277	0.586	0.613	1.981	A	0.2180	703.745	3.072	1.5521	702.193	1.213	1.084	2.3646	4.737	4.866	3.9167	3.9167	0.73	0.73	OK	OK	9.85	11.40
-0.184	-0.187	703.277	702.855				C	0.2110	703.316	3.060	1.5521	701.764	1.513	1.091	2.3646	4.437	4.859	3.9167	3.9167	0.73	0.73	OK	OK	6.25	11.31
-0.187	-0.185	702.855	702.421				E	0.2170	702.888	3.036	1.5521	701.336	1.519	1.085	2.3646	4.431	4.865	3.9167	3.9167	0.73	0.73	OK	OK	6.18	11.38
-0.185	-0.179	702.421	701.990				G	0.2155	702.456	3.078	1.5521	700.903	1.518	1.087	2.3646	4.433	4.864	3.9167	3.9167	0.73	0.73	OK	OK	6.19	11.37
-0.132	-0.131	703.236	703.097	0.627	0.623	2.009	A	0.2225	703.569	3.138	1.5521	702.017	1.219	1.080	2.3646	7.296	7.435	6	6	0.75	0.75	OK	OK	15.55	17.22
-0.131	-0.131	703.097	702.671				C	0.2130	703.134	3.132	1.5521	701.582	1.515	1.089	2.3646	6.999	7.425	6	6	0.75	0.75	OK	OK	11.99	17.10
-0.131	-0.131	702.671	702.236				E	0.2175	702.703	3.150	1.5521	701.151	1.520	1.085	2.3646	6.995	7.430	6	6	0.75	0.75	OK	OK	11.94	17.16
-0.131	-0.131	702.236	701.808				G	0.2140	702.272	3.216	1.5521	700.720	1.516	1.088	2.3646	6.998	7.426	6	6	0.75	0.75	OK	OK	11.98	17.12
-0.128	-0.128	703.026	702.884	0.634	0.634	2.004	A	0.2240	703.358	3.324	1.5521	701.806	1.220	1.078	2.3646	4.415	4.557	3.9167	3.9167	0.75	0.75	OK	OK	5.98	7.69
-0.128	-0.125	702.884	702.453				C	0.2155	702.919	3.294	1.5521	701.366	1.518	1.087	2.3646	4.118	4.549	3.9167	3.9167	0.75	0.75	OK	OK	2.41	7.59
-0.125	-0.127	702.453	702.014				E	0.2195	702.483	3.330	1.5521	700.931	1.522	1.083	2.3646	4.114	4.553	3.9167	3.9167	0.75	0.75	OK	OK	2.37	7.63
-0.127	-0.126	702.014	701.581				G	0.2165	702.047	3.390	1.5521	700.495	1.519	1.086	2.3646	4.117	4.550	3.9167	3.9167	0.75	0.75	OK	OK	2.40	7.60
-0.147	-0.150	702.940	702.795	0.646	0.659	1.983	A	0.2225	703.268	3.414	1.5521	701.715	1.225	1.080	2.3646	4.411	4.556	3.9167	3.9167	0.75	0.75	OK	OK	5.93	7.67
-0.150	-0.147	702.795	702.362				C	0.2165	702.829	3.354	1.5521	701.276	1.519	1.086	2.3646	4.117	4.550	3.9167	3.9167	0.75	0.75	OK	OK	2.40	7.60
-0.147	-0.149	702.362	701.922				E	0.2200	702.392	3.396	1.5521	700.840	1.522	1.082	2.3646	4.113	4.553	3.9167	3.9167	0.75	0.75	OK	OK	2.36	7.64
-0.149	-0.145	701.922	701.485				G	0.2185	701.954	3.426	1.5521	700.401	1.521	1.084	2.3646	4.115	4.552	3.9167	3.9167	0.75	0.75	OK	OK	2.38	7.62
-0.154	-0.157	702.847	702.696	0.671	0.685	1.979	A	0.2225	703.169	3.426	1.5521	701.616	1.231	1.080	2.3646	4.405	4.556	3.9167	3.9167	0.75	0.75	OK	OK	5.86	7.67
-0.157	-0.154	702.696	702.261				C	0.2175	702.728	3.366	1.5521	701.176	1.520	1.085	2.3646	4.116	4.551	3.9167	3.9167	0.75	0.75	OK	OK	2.39	7.61
-0.154	-0.156	702.261	701.818				E	0.2215	702.289	3.402	1.5521	700.737	1.524	1.081	2.3646	4.112	4.555	3.9167	3.9167	0.75	0.75	OK	OK	2.34	7.66
-0.156	-0.152	701.818	701.378				G	0.2200	701.848	3.444	1.5521	700.296	1.522	1.082	2.3646	4.113	4.553	3.9167	3.9167	0.75	0.75	OK	OK	2.36	7.64
-0.159	-0.161	702.750	702.592	0.700	0.709	1.988	A	0.2240	703.066	3.442	1.5521	701.514	1.236	1.078	2.3646	4.400	4.557	3.9167	3.9167	0.75	0.75	OK	OK	5.80	7.69
-0.161	-0.159	702.592	702.156				C	0.2182	702.624	3.396	1.5521	701.072	1.520	1.084	2.3646	4.115	4.551	3.9167	3.9167	0.75	0.75	OK	OK	2.38	7.62
-0.159	-0.161	702.156	701.711				E	0.2223	702.184	3.438	1.5521	700.631	1.524	1.080	2.3646	4.111	4.556	3.9167	3.9167	0.75	0.75	OK	OK	2.33	7.67
-0.161	-0.157	701.711	701.270				G	0.2208	701.740	3.475	1.5521	700.188	1.523	1.081	2.3646	4.113	4.554	3.9167	3.9167	0.75	0.75	OK	OK	2.35	7.65

1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck		Optional Input			Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>F</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist from top of slab to top of Girder Web (ft)	Δ in Bearing		Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)	Girder Haunch (Bottom of Slab to Top of Web) (Right) (in)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)
				Elevation	Elev Diff btwn Points (ft)	Elev Diff btwn Girders (in)	Δ Height (ft)	Δ DY Left Girder (ft)						Δ DY Right Girder (ft)								
A72	GDR1	-55.354	145+24.66	145+24.66	703.786																	
A72	STRINGERA	-44.083	145+24.66	145+24.66	703.837	-0.051	-0.61	G1-SA	11.271	8.000		1.2500	0.000	-0.048		1.298		0.7500	6.572		702.488	
A72	GDR2	-32.794	145+24.66	145+24.66	703.612	0.225	2.70	SA-G2	11.289		1.99	1.2500	0.000		-0.042		1.292	0.7500		6.500	702.320	
A72	STRINGERC	-21.812	145+24.66	145+24.66	703.392	0.220	2.64	G2-SC	10.982	8.000		1.2500	0.000	-0.042		1.292		0.7500	6.500		702.320	
A72	GDR3	-10.829	145+24.66	145+24.66	703.172	0.220	2.64	SC-G3	10.983		2.00	1.2500	0.000		-0.036		1.286	0.7500		6.435	701.886	
A72	STRINGERE	0.267	145+24.66	145+24.66	702.95	0.222	2.66	G3-SE	11.096	8.000		1.2500	0.000	-0.036		1.286		0.7500	6.435		701.886	
A72	GDR4	11.363	145+24.67	145+24.67	702.729	0.221	2.65	SE-G4	11.096		1.99	1.2500	0.000		-0.040		1.290	0.7500		6.486	701.439	
A72	STRINGERG	22.181	145+24.67	145+24.67	702.512	0.217	2.60	G4-SG	10.818	8.000		1.2500	0.000	-0.040		1.290		0.7500	6.486		701.439	
A72	GDR5	33	145+24.67	145+24.67	702.296	0.216	2.59	SG-G5	10.819		2.00	1.2500	0.000		-0.048		1.298	0.7500		6.577	700.998	
A73	GDR1	-55.996	145+65.99	145+65.99	703.603																	
A73	STRINGERA	-44.685	145+65.99	145+65.99	703.643	-0.040	-0.48	G1-SA	11.311	10.880		1.2500	0.000	-0.056		1.306		0.7500	6.670		702.297	
A73	GDR2	-33.37	145+65.99	145+65.99	703.417	0.226	2.71	SA-G2	11.315		2.00	1.2500	0.000		-0.050		1.300	0.7500		6.595	702.117	
A73	STRINGERC	-22.298	145+65.99	145+65.99	703.195	0.222	2.66	G2-SC	11.072	10.880		1.2500	0.000	-0.050		1.300		0.7500	6.595		702.117	
A73	GDR3	-11.227	145+65.99	145+65.99	702.974	0.221	2.65	SC-G3	11.071		2.00	1.2500	0.000		-0.047		1.297	0.7500		6.560	701.677	
A73	STRINGERE	-0.033	145+66.00	145+66.00	702.75	0.224	2.69	G3-SE	11.194	10.880		1.2500	0.000	-0.047		1.297		0.7500	6.560		701.677	
A73	GDR4	11.161	145+66.00	145+66.00	702.526	0.224	2.69	SE-G4	11.194		2.00	1.2500	0.000		-0.047		1.297	0.7500		6.562	701.229	
A73	STRINGERG	22.08	145+66.00	145+66.00	702.307	0.219	2.63	G4-SG	10.919	10.880		1.2500	0.000	-0.047		1.297		0.7500	6.562		701.229	
A73	GDR5	33	145+66.00	145+66.00	702.089	0.218	2.62	SG-G5	10.920		2.00	1.2500	0.000		-0.053		1.303	0.7500		6.633	700.786	
A74	GDR1	-56.385	145+90.99	145+90.99	703.493																	
A74	STRINGERA	-45.052	145+90.99	145+90.99	703.525	-0.032	-0.38	G1-SA	11.333	8.316		1.2500	0.000	-0.055		1.305		0.8333	5.663		702.188	
A74	GDR2	-33.719	145+90.99	145+90.99	703.299	0.226	2.71	SA-G2	11.333		1.99	1.2500	0.000		-0.053		1.303	0.8333		5.631	701.996	
A74	STRINGERC	-22.593	145+90.99	145+90.99	703.076	0.223	2.68	G2-SC	11.126	8.316		1.2500	0.000	-0.053		1.303		0.8333	5.631		701.996	
A74	GDR3	-11.467	145+90.99	145+90.99	702.853	0.223	2.68	SC-G3	11.126		2.00	1.2500	0.000		-0.049		1.299	0.8333		5.582	701.554	
A74	STRINGERE	-0.214	145+91.00	145+91.00	702.628	0.225	2.70	G3-SE	11.253	8.316		1.2500	0.000	-0.049		1.299		0.8333	5.582		701.554	
A74	GDR4	11.039	145+91.00	145+91.00	702.403	0.225	2.70	SE-G4	11.253		2.00	1.2500	0.000		-0.049		1.299	0.8333		5.582	701.104	
A74	STRINGERG	22.019	145+91.00	145+91.00	702.184	0.219	2.63	G4-SG	10.980	8.316		1.2500	0.000	-0.049		1.299		0.8333	5.582		701.104	
A74	GDR5	33	145+91.00	145+91.00	701.964	0.220	2.64	SG-G5	10.981		2.00	1.2500	0.000		-0.051		1.301	0.8333		5.613	700.663	
A75	GDR1	-56.728	146+13.00	146+13.00	703.395																	
A75	STRINGERA	-45.377	146+13.00	146+13.00	703.422	-0.027	-0.32	G1-SA	11.351	8.000		1.2500	0.000	-0.045		1.295		0.8333	5.535		702.100	
A75	GDR2	-34.026	146+13.00	146+13.00	703.195	0.227	2.72	SA-G2	11.351		2.00	1.2500	0.000		-0.044		1.294	0.8333		5.533	701.901	
A75	STRINGERC	-22.852	146+13.00	146+13.00	702.971	0.224	2.69	G2-SC	11.174	8.000		1.2500	0.000	-0.044		1.294		0.8333	5.533		701.901	
A75	GDR3	-11.679	146+13.00	146+13.00	702.748	0.223	2.68	SC-G3	11.173		2.00	1.2500	0.000		-0.042		1.292	0.8333		5.507	701.456	
A75	STRINGERE	-0.374	146+13.00	146+13.00	702.522	0.226	2.71	G3-SE	11.305	8.000		1.2500	0.000	-0.042		1.292		0.8333	5.507		701.456	
A75	GDR4	10.931	146+13.00	146+13.00	702.295	0.227	2.72	SE-G4	11.305		2.01	1.2500	0.000		-0.042		1.292	0.8333		5.500	701.003	
A75	STRINGERG	21.966	146+13.00	146+13.00	702.075	0.220	2.64	G4-SG	11.035	8.000		1.2500	0.000	-0.042		1.292		0.8333	5.500		701.003	
A75	GDR5	33	146+13.00	146+13.00	701.854	0.221	2.65	SG-G5	11.034		2.00	1.2500	0.000		-0.040		1.290	0.8333		5.475	700.564	
A76	GDR1	-57.07	146+35.00	146+35.00	703.298																	
A76	STRINGERA	-45.701	146+35.00	146+35.00	703.318	-0.020	-0.24	G1-SA	11.369	8.000		1.2500	0.000	-0.028		1.278		0.8333	5.337		702.020	
A76	GDR2	-34.333	146+35.00	146+35.00	703.091	0.227	2.72	SA-G2	11.368		2.00	1.2500	0.000		-0.031		1.281	0.8333		5.368	701.810	
A76	STRINGERC	-23.111	146+35.00	146+35.00	702.866	0.225	2.70	G2-SC	11.222	8.000		1.2500	0.000	-0.031		1.281		0.8333	5.368		701.810	
A76	GDR3	-11.891	146+35.00	146+35.00	702.642	0.224	2.69	SC-G3	11.220		2.00	1.2500	0.000		-0.027		1.277	0.8333		5.322	701.365	
A76	STRINGERE	-0.533	146+35.00	146+35.00	702.415	0.227	2.72	G3-SE	11.358	8.000		1.2500	0.000	-0.027		1.277		0.8333	5.322		701.365	
A76	GDR4	10.824	146+35.00	146+35.00	702.188	0.227	2.72	SE-G4	11.357		2.00	1.2500	0.000		-0.028		1.278	0.8333		5.336	700.910	
A76	STRINGERG	21.912	146+35.00	146+35.00	701.966	0.222	2.66	G4-SG	11.088	8.000		1.2500	0.000	-0.028		1.278		0.8333	5.336		700.910	
A76	GDR5	33	146+35.00	146+35.00	701.744	0.222	2.66	SG-G5	11.088		2.00	1.2500	0.000		-0.023		1.273	0.8333		5.274	700.471	
A77	GDR1	-57.379	146+54.90	146+54.90	703.21																	
A77	STRINGERA	-45.995	146+54.90	146+54.90	703.225	-0.015	-0.18	G1-SA	11.384	8.000		1.2500	0.000	-0.012		1.262		0.8333	5.141		701.948	
A77	GDR2	-34.61	146+54.90	146+54.90	702.997	0.228	2.74	SA-G2	11.385		2.00	1.2500	0.000		-0.013		1.263	0.8333		5.156	701.734	
A77	STRINGERC	-23.346	146+54.90	146+54.90	702.772	0.225	2.70	G2-SC	11.264	8.000		1.2500	0.000	-0.013		1.263		0.8333	5.156		701.734	
A77	GDR3	-12.082	146+54.90	146+54.90	702.546	0.226	2.71	SC-G3	11.264		2.01	1.2500	0.000		-0.010		1.260	0.8333		5.124	701.286	
A77	STRINGERE	-0.678	146+54.90	146+54.90	702.318	0.228	2.74	G3-SE	11.404	8.000		1.2500	0.000	-0.010		1.260		0.8333	5.124		701.286	
A77	GDR4	10.726	146+54.90	146+54.90	702.09	0.228	2.74	SE-G4	11.404		2.00	1.2500	0.000		-0.011		1.261	0.8333		5.128	700.829	
A77	STRINGERG	21.863	146+54.90	146+54.90	701.867	0.223	2.68	G4-SG	11.137	8.000		1.2500	0.000	-0.011		1.261		0.8333	5.128		700.829	
A77	GDR5	33	146+54.90	146+54.90	701.645	0.222	2.66	SG-G5	11.137		1.99	1.2500	0.000		-0.007		1.257	0.8333		5.084	700.388	
A78	GDR1	-57.689	146+74.79	146+74.79	703.122																	
A78	STRINGERA	-46.288	146+74.79	146+74.79	703.131	-0.009	-0.11	G1-SA	11.401	8.000		1.2500	0.000	0.004		1.246		0.8333	4.954		701.876	
A78	GDR2	-34.888	146+74.79	146+74.79	702.903	0.228	2.74	SA-G2	11.400		2.00	1.2500	0.000		0.002		1.248	0.8333		4.979	701.655	
A78	STRINGERC	-23.58	146+74.79	146+74.79	702.677	0.226	2.71	G2-SC	11.308	8.000		1.2500	0.000	0.002		1.248		0.8333	4.979		701.655	
A78	GDR3	-12.273	146+74.79	146+74.79	702.451	0.226	2.71	SC-G3	11.307		2.00	1.2500	0.000		0.003		1.247					



<u>Final Dead Load Defl. Left Girder (ft)</u>	<u>Final Dead Load Defl. Right Girder (ft)</u>	<u>Top of Girder Web Elev. (Left)</u>	<u>Top of Girder Web Elev. (Right)</u>	<u>(SW<sub>o</sub>) No Load Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SW<sub>e</sub>) Final Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SS<sub>o</sub>) Slope of Stringer line G1-G2 (%)</u>	<u>Str.</u>	<u>Δ<sub>@ str</sub> (ft)</u>	<u>No Load Top of Stringer Elev.</u>	<u>Final Stringer Haunch (in)</u>	<u>Depth of Stringer (ft)</u>	<u>Elev. Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Depth of Diaphragm (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)</u>	<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>
-0.162	-0.163	702.650	702.483	0.740	0.745	1.989	A	0.2245	702.958	3.506	1.5521	701.406	1.245	1.078	2.3646	4.391	4.558	3.9167	3.9167	0.75	0.75	OK	OK	5.69	7.69
-0.163	-0.160	702.483	702.046				C	0.2188	702.515	3.449	1.5521	700.962	1.521	1.083	2.3646	4.115	4.552	3.9167	3.9167	0.75	0.75	OK	OK	2.37	7.63
-0.160	-0.162	702.046	701.601				E	0.2226	702.073	3.466	1.5521	700.521	1.525	1.079	2.3646	4.111	4.556	3.9167	3.9167	0.75	0.75	OK	OK	2.33	7.67
-0.162	-0.162	701.601	701.160				G	0.2203	701.630	3.525	1.5521	700.078	1.522	1.082	2.3646	4.113	4.554	3.9167	3.9167	0.75	0.75	OK	OK	2.36	7.64
-0.208	-0.212	702.505	702.329	0.777	0.794	1.980	A	0.2240	702.803	3.619	1.5521	701.251	1.254	1.078	2.3646	7.262	7.437	6	6	0.75	0.75	OK	OK	15.14	17.25
-0.212	-0.214	702.329	701.891				C	0.2190	702.360	3.583	1.5521	700.808	1.521	1.083	2.3646	6.994	7.432	6	6	0.75	0.75	OK	OK	11.93	17.19
-0.214	-0.214	701.891	701.443				E	0.2241	701.917	3.561	1.5521	700.365	1.526	1.078	2.3646	6.989	7.437	6	6	0.75	0.75	OK	OK	11.87	17.25
-0.214	-0.212	701.443	700.998				G	0.2225	701.471	3.579	1.5521	699.919	1.525	1.080	2.3646	6.991	7.436	6	6	0.75	0.75	OK	OK	11.89	17.23
-0.269	-0.285	702.457	702.281	0.774	0.844	1.924	A	0.2180	702.749	2.727	1.5521	701.197	1.259	1.084	2.3646	4.692	4.867	3.9167	3.9167	0.73	0.73	OK	OK	9.30	11.41
-0.285	-0.290	702.281	701.844				C	0.2185	702.313	2.637	1.5521	700.761	1.521	1.084	2.3646	4.431	4.868	3.9167	3.9167	0.73	0.73	OK	OK	6.17	11.41
-0.290	-0.288	701.844	701.392				E	0.2260	701.868	2.570	1.5521	700.316	1.528	1.076	2.3646	4.423	4.875	3.9167	3.9167	0.73	0.73	OK	OK	6.08	11.50
-0.288	-0.276	701.392	700.939				G	0.2268	701.416	2.531	1.5521	699.864	1.529	1.075	2.3646	4.423	4.876	3.9167	3.9167	0.73	0.73	OK	OK	6.07	11.51
-0.321	-0.348	702.421	702.249	0.761	0.880	1.881	A	0.2135	702.712	2.695	1.5521	701.160	1.261	1.089	2.3646	4.374	4.547	3.9167	3.9167	0.75	0.75	OK	OK	5.49	7.56
-0.348	-0.358	702.249	701.814				C	0.2174	702.281	2.574	1.5521	700.729	1.520	1.085	2.3646	4.116	4.551	3.9167	3.9167	0.75	0.75	OK	OK	2.39	7.61
-0.358	-0.354	701.814	701.357				E	0.2282	701.836	2.486	1.5521	700.283	1.530	1.074	2.3646	4.105	4.562	3.9167	3.9167	0.75	0.75	OK	OK	2.26	7.74
-0.354	-0.331	701.357	700.895				G	0.2309	701.376	2.356	1.5521	699.824	1.533	1.071	2.3646	4.102	4.564	3.9167	3.9167	0.75	0.75	OK	OK	2.23	7.77
-0.348	-0.384	702.368	702.194	0.763	0.922	1.839	A	0.2090	702.653	2.584	1.5521	701.101	1.267	1.093	2.3646	4.369	4.542	3.9167	3.9167	0.75	0.75	OK	OK	5.43	7.51
-0.384	-0.397	702.194	701.762				C	0.2161	702.228	2.417	1.5521	700.676	1.518	1.086	2.3646	4.117	4.549	3.9167	3.9167	0.75	0.75	OK	OK	2.41	7.59
-0.397	-0.392	701.762	701.302				E	0.2301	701.782	2.299	1.5521	700.230	1.532	1.072	2.3646	4.103	4.563	3.9167	3.9167	0.75	0.75	OK	OK	2.24	7.76
-0.392	-0.362	701.302	700.833				G	0.2344	701.318	2.125	1.5521	699.765	1.537	1.068	2.3646	4.099	4.568	3.9167	3.9167	0.75	0.75	OK	OK	2.19	7.81
-0.342	-0.381	702.290	702.115	0.770	0.941	1.831	A	0.2085	702.574	2.390	1.5521	701.021	1.269	1.094	2.3646	4.367	4.542	3.9167	3.9167	0.75	0.75	OK	OK	5.40	7.50
-0.381	-0.396	702.115	701.682				C	0.2167	702.148	2.236	1.5521	700.596	1.519	1.085	2.3646	4.117	4.550	3.9167	3.9167	0.75	0.75	OK	OK	2.40	7.60
-0.396	-0.391	701.682	701.220				E	0.2307	701.701	2.096	1.5521	700.149	1.533	1.071	2.3646	4.103	4.564	3.9167	3.9167	0.75	0.75	OK	OK	2.23	7.77
-0.391	-0.360	701.220	700.748				G	0.2362	701.234	1.914	1.5521	699.682	1.538	1.066	2.3646	4.097	4.570	3.9167	3.9167	0.75	0.75	OK	OK	2.17	7.83
-0.305	-0.344	702.181	701.999	0.799	0.970	1.829	A	0.2085	702.457	2.213	1.5521	700.905	1.276	1.094	2.3646	4.360	4.542	3.9167	3.9167	0.75	0.75	OK	OK	5.32	7.50
-0.344	-0.359	701.999	701.563				C	0.2177	702.031	2.060	1.5521	700.479	1.520	1.084	2.3646	4.116	4.551	3.9167	3.9167	0.75	0.75	OK	OK	2.39	7.61
-0.359	-0.355	701.563	701.103				E	0.2303	701.583	1.929	1.5521	700.031	1.532	1.072	2.3646	4.103	4.564	3.9167	3.9167	0.75	0.75	OK	OK	2.24	7.76
-0.355	-0.327	701.103	700.631				G	0.2358	701.117	1.751	1.5521	699.565	1.538	1.066	2.3646	4.098	4.569	3.9167	3.9167	0.75	0.75	OK	OK	2.17	7.83
-0.239	-0.272	702.029	701.836	0.845	0.989	1.861	A	0.2125	702.298	2.068	1.5521	700.746	1.283	1.090	2.3646	4.353	4.546	3.9167	3.9167	0.75	0.75	OK	OK	5.23	7.55
-0.272	-0.286	701.836	701.398				C	0.2191	701.867	1.919	1.5521	700.315	1.521	1.083	2.3646	4.114	4.552	3.9167	3.9167	0.75	0.75	OK	OK	2.37	7.63
-0.286	-0.285	701.398	700.936				E	0.2306	701.417	1.795	1.5521	699.865	1.533	1.071	2.3646	4.103	4.564	3.9167	3.9167	0.75	0.75	OK	OK	2.23	7.77
-0.285	-0.264	700.936	700.470				G	0.2331	700.953	1.624	1.5521	699.401	1.535	1.069	2.3646	4.100	4.566	3.9167	3.9167	0.75	0.75	OK	OK	2.20	7.80

1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck					Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>E</sub> ) Final Deck Cross-slope G2-G5 (%)	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)	Girder Haunch (Bottom of Slab to Top of Web) (Right) (in)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)
				Elevation	Elev Diff btwn Points (ft)	Elev Diff btwn Girders (in)	Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)						Δ DY Right Girder (ft)									
A80	GDR1	-58.382	147+19.39	147+19.39	702.936																		
A80	STRINGERA	-46.945	147+19.32	147+19.32	702.93	0.006	0.07	G1-SA	11.437	8.315		1.2500	0.000	0.007		1.243		0.8333	4.918		701.693		
A80	GDR2	-35.508	147+19.24	147+19.24	702.7	0.230	2.76	SA-G2	11.437		1.2500	0.000					1.238	0.8333		4.856	701.462		
A80	STRINGERC	-24.103	147+19.17	147+19.17	702.47	0.230	2.76	G2-SC	11.405	8.315		1.2500	0.000	0.012		1.238		0.8333	4.856		701.462		
A80	GDR3	-12.7	147+19.09	147+19.09	702.24	0.230	2.76	SC-G3	11.403		1.2500	0.000		0.020			1.230	0.8333		4.765	701.010		
A80	STRINGERE	-1.143	147+19.02	147+19.02	702.007	0.233	2.80	G3-SE	11.557	8.315		1.2500	0.000	0.020		1.230		0.8333	4.765		701.010		
A80	GDR4	10.413	147+18.94	147+18.94	701.774	0.233	2.80	SE-G4	11.556		1.2500	0.000		0.026			1.224	0.8333		4.694	700.550		
A80	STRINGERG	21.707	147+18.87	147+18.87	701.547	0.227	2.72	G4-SG	11.294	8.315		1.2500	0.000	0.026		1.224		0.8333	4.694		700.550		
A80	GDR5	33	147+18.79	147+18.79	701.319	0.228	2.74	SG-G5	11.293		1.2500	0.000		0.030			1.220	0.8333		4.639	700.099		
A81	GDR1	-58.771	147+44.39	147+44.39	702.853																		
A81	STRINGERA	-47.314	147+44.32	147+44.32	702.838	0.015	0.18	G1-SA	11.457	10.879		1.2500	0.000	-0.025		1.275		0.8333	5.303		701.578		
A81	GDR2	-35.856	147+44.24	147+44.24	702.601	0.237	2.84	SA-G2	11.458		1.2500	0.000		-0.011			1.261	0.8333		5.134	701.340		
A81	STRINGERC	-24.398	147+44.17	147+44.17	702.364	0.237	2.84	G2-SC	11.458	10.879		1.2500	0.000	-0.011		1.261		0.8333	5.134		701.340		
A81	GDR3	-12.94	147+44.09	147+44.09	702.127	0.237	2.84	SC-G3	11.458		1.2500	0.000		0.008			1.242	0.8333		4.909	700.885		
A81	STRINGERE	-1.324	147+44.02	147+44.02	701.886	0.241	2.89	G3-SE	11.616	10.879		1.2500	0.000	0.008		1.242		0.8333	4.909		700.885		
A81	GDR4	10.291	147+43.94	147+43.94	701.646	0.240	2.88	SE-G4	11.615		1.2500	0.000		0.026			1.224	0.8333		4.693	700.422		
A81	STRINGERG	21.634	147+43.87	147+43.87	701.412	0.234	2.81	G4-SG	11.343	10.879		1.2500	0.000	0.026		1.224		0.8333	4.693		700.422		
A81	GDR5	33	147+43.79	147+43.79	701.177	0.235	2.82	SG-G5	11.366		1.2500	0.000		0.042			1.208	0.8333		4.497	699.969		
A82	GDR1	-59.414	147+85.72	147+85.72	702.86																		
A82	STRINGERA	-47.923	147+85.65	147+85.65	702.795	0.065	0.78	G1-SA	11.491	8.000		1.2500	0.000	0.012		1.238		0.8333	4.861		701.622		
A82	GDR2	-36.433	147+85.57	147+85.57	702.52	0.275	3.30	SA-G2	11.490		1.2500	0.000		0.019			1.231	0.8333		4.770	701.289		
A82	STRINGERC	-24.885	147+85.50	147+85.50	702.245	0.275	3.30	G2-SC	11.548	8.000		1.2500	0.000	0.019		1.231		0.8333	4.770		701.289		
A82	GDR3	-13.338	147+85.42	147+85.42	701.97	0.275	3.30	SC-G3	11.547		1.2500	0.000		0.013			1.237	0.8333		4.848	700.733		
A82	STRINGERE	-1.624	147+85.35	147+85.35	701.691	0.279	3.35	G3-SE	11.714	8.000		1.2500	0.000	0.013		1.237		0.8333	4.848		700.733		
A82	GDR4	10.089	147+85.27	147+85.27	701.412	0.279	3.35	SE-G4	11.713		1.2500	0.000		0.004			1.246	0.8333		4.956	700.166		
A82	STRINGERG	21.48	147+85.20	147+85.20	701.141	0.271	3.25	G4-SG	11.391	8.000		1.2500	0.000	0.004		1.246		0.8333	4.956		700.166		
A82	GDR5	33	147+85.12	147+85.12	700.868	0.273	3.28	SG-G5	11.520		1.2500	0.000		-0.005			1.255	0.8333		5.062	699.613		
A83	GDR1	-59.761	148+08.04	148+08.04	702.966																		
A83	STRINGERA	-48.253	148+07.97	148+07.97	702.825	0.141	1.69	G1-SA	11.508	8.000		1.2500	0.000	-0.002		1.252		0.8333	5.027		701.714		
A83	GDR2	-36.744	148+07.90	148+07.90	702.518	0.307	3.68	SA-G2	11.509		1.2500	0.000		0.006			1.244	0.8333		4.931	701.274		
A83	STRINGERC	-25.148	148+07.83	148+07.83	702.209	0.309	3.71	G2-SC	11.596	8.000		1.2500	0.000	0.006		1.244		0.8333	4.931		701.274		
A83	GDR3	-13.552	148+07.75	148+07.75	701.901	0.308	3.70	SC-G3	11.596		1.2500	0.000		0.006			1.244	0.8333		4.932	700.657		
A83	STRINGERE	-1.786	148+07.68	148+07.68	701.588	0.313	3.76	G3-SE	11.766	8.000		1.2500	0.000	0.006		1.244		0.8333	4.932		700.657		
A83	GDR4	9.98	148+07.60	148+07.60	701.276	0.312	3.74	SE-G4	11.766		1.2500	0.000		0.002			1.248	0.8333		4.975	700.028		
A83	STRINGERG	21.441	148+07.53	148+07.53	700.972	0.304	3.65	G4-SG	11.461	8.000		1.2500	0.000	0.002		1.248		0.8333	4.975		700.028		
A83	GDR5	33	148+07.46	148+07.46	700.665	0.307	3.68	SG-G5	11.559		1.2500	0.000		-0.002			1.252	0.8333		5.019	699.413		
A84	GDR1	-60.18	148+30.00	148+30.00	703.095																		
A84	STRINGERA	-48.654	148+30.00	148+30.00	702.864	0.231	2.77	G1-SA	11.526	8.000		1.2500	0.000	-0.023		1.273		0.8333	5.276		701.822		
A84	GDR2	-37.127	148+30.00	148+30.00	702.524	0.340	4.08	SA-G2	11.527		1.2500	0.000		-0.011			1.261	0.8333		5.132	701.263		
A84	STRINGERC	-25.483	148+30.00	148+30.00	702.181	0.343	4.12	G2-SC	11.644	8.000		1.2500	0.000	-0.011		1.261		0.8333	5.132		701.263		
A84	GDR3	-13.838	148+30.00	148+30.00	701.837	0.344	4.13	SC-G3	11.645		1.2500	0.000		-0.002			1.252	0.8333		5.024	700.585		
A84	STRINGERE	-2.019	148+30.00	148+30.00	701.489	0.348	4.18	G3-SE	11.819	8.000		1.2500	0.000	-0.002		1.252		0.8333	5.024		700.585		
A84	GDR4	9.8	148+30.00	148+30.00	701.14	0.349	4.19	SE-G4	11.819		1.2500	0.000		0.004			1.246	0.8333		4.952	699.894		
A84	STRINGERG	21.4	148+30.00	148+30.00	700.798	0.342	4.10	G4-SG	11.600	8.000		1.2500	0.000	0.004		1.246		0.8333	4.952		699.894		
A84	GDR5	33	148+30.00	148+30.00	700.456	0.342	4.10	SG-G5	11.600		1.2500	0.000		0.010			1.240	0.8333		4.880	699.216		
A85	GDR1	-60.739	148+51.95	148+51.95	703.203																		
A85	STRINGERA	-49.194	148+52.02	148+52.02	702.905	0.298	3.58	G1-SA	11.545	8.000		1.2500	0.000	-0.047		1.297		0.8333	5.569		701.906		
A85	GDR2	-37.65	148+52.09	148+52.09	702.533	0.372	4.46	SA-G2	11.544		1.2500	0.000		-0.024			1.274	0.8333		5.284	701.259		
A85	STRINGERC	-25.958	148+52.17	148+52.17	702.156	0.377	4.52	G2-SC	11.692	8.000		1.2500	0.000	-0.024		1.274		0.8333	5.284		701.259		
A85	GDR3	-14.265	148+52.24	148+52.24	701.778	0.378	4.54	SC-G3	11.693		1.2500	0.000		-0.008			1.258	0.8333		5.092	700.520		
A85	STRINGERE	-2.393	148+52.32	148+52.32	701.395	0.383	4.60	G3-SE	11.872	8.000		1.2500	0.000	-0.008		1.258		0.8333	5.092		700.520		
A85	GDR4	9.478	148+52.39	148+52.39	701.011	0.384	4.61	SE-G4	11.871		1.2500	0.000		0.006			1.244	0.8333		4.934	699.767		
A85	STRINGERG	21.217	148+52.47	148+52.47	700.632	0.379	4.55	G4-SG	11.739	8.000		1.2500	0.000	0.006		1.244		0.8333	4.934		699.767		
A85	GDR5	33	148+52.54	148+52.54	700.25	0.382	4.58	SG-G5	11.783		1.2500	0.000		0.019			1.231	0.8333		4.775	699.019		
A86	GDR1	-61.436	148+73.89	148+73.89	703.277																		
A86	STRINGERA	-49.838	148+74.04	148+74.04	702.945	0.332	3.98	G1-SA	11.598	8.000		1.2500	0.000	-0.055		1.305		0.8333	5.660		701.972		
A86	GDR2	-38.313	148+74.18	148+74.18	702.544	0.401	4.81	SA-G2	11.525		1.2500	0.000		-0.033			1.283	0.8333		5.400	701.261		
A86	STRINGERC	-26.489	148+74.33	148+74.33	702.131	0.413	4.96	G2-SC	11.824	8.000		1.2500	0.000	-0.033		1.283		0.8333	5.400		701.261		
A86	GDR3	-14.833	148+74.47	148+74.47	701.724	0.407	4.88	SC-G3	11.656		1.2500	0.000		-0.015			1.265	0.8333		5.184	700.459		
A86	STRINGERE	-2.79	148+74.63	148+74.63	701.303	0.421	5.05	G3-SE	12.043	8.000		1.2500	0.000	-0.015		1.265		0.8333	5.184		700.459		
A86	GDR4	9.015	148+74.78	148+74.78	700.89	0.413	4.96	SE-G4	11.805														

<u>Final Dead Load Defl. Left Girder (ft)</u>	<u>Final Dead Load Defl. Right Girder (ft)</u>	<u>Top of Girder Web Elev. (Left)</u>	<u>Top of Girder Web Elev. (Right)</u>	<u>(SW<sub>o</sub>) No Load Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SW<sub>e</sub>) Final Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SS<sub>o</sub>) Slope of Stringer line G1-G2 (%)</u>	<u>Str.</u>	<u>Δ<sub>g, str</sub> (ft)</u>	<u>No Load Top of Stringer Elev.</u>	<u>Final Stringer Haunch (in)</u>	<u>Depth of Stringer (ft)</u>	<u>Elev. Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Depth of Diaphragm (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)</u>	<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>
-0.165	-0.190	701.858	701.652	0.900	1.009	1.902	A	0.2175	702.120	2.006	1.5521	700.567	1.290	1.085	2.3646	4.660	4.866	3.9167	3.9167	0.73	0.73	OK	OK	8.92	11.39
-0.190	-0.201	701.652	701.211				C	0.2207	701.681	1.877	1.5521	700.129	1.523	1.081	2.3646	4.428	4.869	3.9167	3.9167	0.73	0.73	OK	OK	6.13	11.43
-0.201	-0.203	701.211	700.753				E	0.2290	701.232	1.742	1.5521	699.679	1.531	1.073	2.3646	4.419	4.877	3.9167	3.9167	0.73	0.73	OK	OK	6.03	11.53
-0.203	-0.192	700.753	700.291				G	0.2307	700.772	1.607	1.5521	699.220	1.533	1.071	2.3646	4.418	4.879	3.9167	3.9167	0.73	0.73	OK	OK	6.01	11.55
-0.102	-0.119	701.680	701.459	0.964	1.039	1.994	A	0.2285	701.937	2.236	1.5521	700.385	1.295	1.074	2.3646	7.220	7.441	6	6	0.75	0.75	OK	OK	14.64	17.29
-0.119	-0.128	701.459	701.013				C	0.2231	701.486	2.076	1.5521	699.934	1.525	1.079	2.3646	6.989	7.435	6	6	0.75	0.75	OK	OK	11.87	17.23
-0.128	-0.132	701.013	700.554				E	0.2295	701.033	1.819	1.5521	699.481	1.532	1.073	2.3646	6.983	7.442	6	6	0.75	0.75	OK	OK	11.79	17.30
-0.132	-0.128	700.554	700.097				G	0.2286	700.575	1.574	1.5521	699.023	1.530	1.074	2.3646	6.984	7.441	6	6	0.75	0.75	OK	OK	11.81	17.29
-0.071	-0.084	701.693	701.373	1.390	1.446	2.337	A	0.2685	701.892	1.848	1.5521	700.340	1.353	1.034	2.3646	4.282	4.602	3.9167	3.9167	0.75	0.75	OK	OK	4.39	8.22
-0.084	-0.090	701.373	700.823				C	0.2753	701.348	1.845	1.5521	699.796	1.577	1.027	2.3646	4.058	4.609	3.9167	3.9167	0.75	0.75	NG!	OK	1.70	8.30
-0.090	-0.094	700.823	700.260				E	0.2815	700.791	1.926	1.5521	699.239	1.584	1.021	2.3646	4.052	4.615	3.9167	3.9167	0.75	0.75	NG!	OK	1.62	8.38
-0.094	-0.090	700.260	699.703				G	0.2800	700.233	1.978	1.5521	698.681	1.579	1.022	2.3646	4.056	4.613	3.9167	3.9167	0.75	0.75	NG!	OK	1.68	8.36
-0.080	-0.094	701.794	701.368	1.851	1.912	2.607	A	0.3000	701.918	2.015	1.5521	700.366	1.428	1.002	2.3646	4.207	4.633	3.625	3.9167	0.72	0.75	OK	OK	6.99	8.60
-0.094	-0.099	701.368	700.756				C	0.3060	701.312	1.955	1.5521	699.760	1.608	0.996	2.3646	4.027	4.639	3.625	3.9167	0.72	0.75	OK	OK	4.83	8.67
-0.099	-0.102	700.756	700.130				E	0.3128	700.693	1.965	1.5521	699.141	1.615	0.989	2.3646	4.021	4.646	3.625	3.9167	0.72	0.75	OK	OK	4.75	8.75
-0.102	-0.095	700.130	699.508				G	0.3122	700.071	1.957	1.5521	698.518	1.612	0.990	2.3646	4.024	4.646	3.625	3.9167	0.72	0.75	OK	OK	4.79	8.75
-0.084	-0.098	701.906	701.361	2.364	2.425	2.889	A	0.3330	701.944	2.216	1.5521	700.392	1.514	0.969	2.3646	4.121	4.666	3.625	3.9167	0.72	0.75	OK	OK	5.96	9.00
-0.098	-0.102	701.361	700.687				C	0.3370	701.274	2.108	1.5521	699.722	1.639	0.965	2.3646	3.996	4.670	3.625	3.9167	0.72	0.75	OK	OK	4.46	9.04
-0.102	-0.104	700.687	699.998				E	0.3445	700.593	2.006	1.5521	699.040	1.647	0.958	2.3646	3.989	4.678	3.625	3.9167	0.72	0.75	OK	OK	4.37	9.13
-0.104	-0.095	699.998	699.311				G	0.3435	699.905	1.862	1.5521	698.352	1.646	0.959	2.3646	3.990	4.677	3.625	3.9167	0.72	0.75	OK	OK	4.38	9.12
-0.086	-0.100	701.992	701.359	2.739	2.799	3.162	A	0.3650	701.974	2.368	1.5521	700.422	1.569	0.937	2.3646	4.066	4.698	3.625	3.9167	0.72	0.75	OK	OK	5.29	9.38
-0.100	-0.103	701.359	700.623				C	0.3680	701.241	2.212	1.5521	699.689	1.670	0.934	2.3646	3.965	4.701	3.625	3.9167	0.72	0.75	OK	OK	4.08	9.42
-0.103	-0.104	700.623	699.871				E	0.3764	700.497	2.025	1.5521	698.945	1.679	0.926	2.3646	3.957	4.710	3.625	3.9167	0.72	0.75	OK	OK	3.98	9.52
-0.104	-0.094	699.871	699.113				G	0.3796	699.742	1.804	1.5521	698.190	1.680	0.922	2.3646	3.955	4.713	3.625	3.9167	0.72	0.75	OK	OK	3.96	9.55
-0.090	-0.100	702.062	701.361	3.033	3.076	3.436	A	0.3960	702.007	2.460	1.5521	700.455	1.607	0.906	2.3646	4.028	4.729	3.625	3.9167	0.72	0.75	OK	OK	4.84	9.75
-0.100	-0.102	701.361	700.561				C	0.3971	701.208	2.303	1.5521	699.656	1.705	0.905	2.3646	3.930	4.730	3.625	3.9167	0.72	0.75	OK	OK	3.67	9.77
-0.102	-0.100	700.561	699.741				E	0.4056	700.397	2.074	1.5521	698.845	1.716	0.896	2.3646	3.920	4.739	3.625	3.9167	0.72	0.75	OK	OK	3.53	9.87
-0.100	-0.090	699.741	698.907				G	0.4160	699.573	1.838	1.5521	698.020	1.721	0.886	2.3646	3.915	4.749	3.625	3.9167	0.72	0.75	OK	OK	3.48	9.99
-0.151	-0.159	702.257	701.428	3.534	3.568	3.865	A	0.4510	702.129	2.393	1.5521	700.577	1.680	0.851	2.3646	6.835	7.664	6	6	0.75	0.75	OK	OK	10.02	19.97
-0.159	-0.155	701.428	700.500				C	0.4604	701.211	2.277	1.5521	699.659	1.769	0.842	2.3646	6.746	7.674	6	6	0.75	0.75	OK	OK	8.95	20.09
-0.155	-0.143	700.500	699.546				E	0.4731	700.269	2.157	1.5521	698.717	1.784	0.829	2.3646	6.732	7.686	6	6	0.75	0.75	OK	OK	8.78	20.24
-0.143	-0.121	699.546	698.563				G	0.4878	699.301	2.044	1.5521	697.749	1.797	0.814	2.3646	6.719	7.701	6	6	0.75	0.75	OK	OK	8.63	20.41

1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck		Optional Input			Actual Dist		Actual Dist		Girder Haunch		Girder Haunch		Top of		Top of				
				Elevation	Elev Diff btwn	Elev Diff btwn	Dist btwn	Left	Right	(SD <sub>E</sub> Final	Original Dist	Δ in Bearing	Δ DY	Δ DY	from top of slab	from top of slab	(Bottom of Slab	(Bottom of Slab	Girder Web	Girder Web			
					Points (ft)	Girders (in)	Points (ft)	Girder Web	Girder Web	Cross-slope	from top of slab	Height Elev.	Left Girder	Right Girder	to top of Girder	to top of Girder	to Top of Web)	to Top of Web)	Elev.	Elev.			
A88	GDR1	-64.118	149+39.01	149+39.01	703.385																		
A88	STRINGERA	-52.174	149+39.38	149+39.38	702.979	0.406	4.87	G1-SA	11.944	8.316													
A88	GDR2	-40.385	149+39.74	149+39.74	702.504	0.475	5.70	SA-G2	11.789		8.316	4.03	1.2500	0.000	-0.022	-0.030	1.272	1.280	0.8333	5.267	5.365	702.113	701.224
A88	STRINGERC	-28.257	149+40.11	149+40.11	702.015	0.489	5.87	G2-SC	12.128	8.316		4.03	1.2500	0.000	-0.030		1.280		0.8333	5.365		701.224	
A88	GDR3	-16.276	149+40.49	149+40.49	701.531	0.484	5.81	SC-G3	11.981		8.316	4.04	1.2500	0.000	-0.026	-0.026	1.276	1.276	0.8333	5.311	5.311	700.255	700.255
A88	STRINGERE	-3.973	149+40.87	149+40.87	701.035	0.496	5.95	G3-SE	12.303	8.316		4.03	1.2500	0.000	-0.026		1.276		0.8333	5.311		700.255	
A88	GDR4	8.191	149+41.26	149+41.26	700.543	0.492	5.90	SE-G4	12.164		8.316	4.04	1.2500	0.000	-0.025	-0.025	1.275	1.275	0.8333	5.298	5.298	699.268	699.268
A88	STRINGERG	20.662	149+41.65	149+41.65	700.04	0.503	6.04	G4-SG	12.471	8.316		4.03	1.2500	0.000	-0.025		1.275		0.8333	5.298		699.268	
A88	GDR5	33	149+42.05	149+42.05	699.541	0.499	5.99	SG-G5	12.338		8.316	4.04	1.2500	0.000	-0.020	-0.020	1.270	1.270	0.8333	5.238	5.238	698.271	698.271
A89	GDR1	-65.123	149+63.42	149+63.42	703.323																		
A89	STRINGERA	-53.056	149+63.42	149+63.42	702.909	0.414	4.97	G1-SA	12.067	8.000			1.2500	0.000	-0.039		1.289		0.8333	5.468		702.034	
A89	GDR2	-41.099	149+63.42	149+63.42	702.425	0.484	5.81	SA-G2	11.957		8.000	4.05	1.2500	0.000	-0.039	-0.039	1.289	1.289	0.8333	5.470	5.470	701.136	701.136
A89	STRINGERC	-28.86	149+63.42	149+63.42	701.93	0.495	5.94	G2-SC	12.239	8.000		4.04	1.2500	0.000	-0.039		1.289		0.8333	5.470		701.136	
A89	GDR3	-16.727	149+63.42	149+63.42	701.439	0.491	5.89	SC-G3	12.133		8.000	4.05	1.2500	0.000	-0.030	-0.030	1.280	1.280	0.8333	5.363	5.363	700.159	700.159
A89	STRINGERE	-4.323	149+63.42	149+63.42	700.937	0.502	6.02	G3-SE	12.404	8.000		4.05	1.2500	0.000	-0.030		1.280		0.8333	5.363		700.159	
A89	GDR4	7.978	149+63.42	149+63.42	700.439	0.498	5.98	SE-G4	12.301		8.000	4.05	1.2500	0.000	-0.022	-0.022	1.272	1.272	0.8333	5.267	5.267	699.167	699.167
A89	STRINGERG	20.539	149+63.42	149+63.42	699.931	0.508	6.10	G4-SG	12.561	8.000		4.04	1.2500	0.000	-0.022		1.272		0.8333	5.267		699.167	
A89	GDR5	32.999	149+63.42	149+63.42	699.427	0.504	6.05	SG-G5	12.460		8.000	4.04	1.2500	0.000	-0.012	-0.012	1.262	1.262	0.8333	5.146	5.146	698.165	698.165
A90	GDR1	-66.051	149+86.36	149+86.36	703.232																		
A90	STRINGERA	-53.841	149+86.36	149+86.36	702.814	0.418	5.02	G1-SA	12.210	8.000			1.2500	0.000	-0.019		1.269		0.8333	5.222		701.963	
A90	GDR2	-41.78	149+86.36	149+86.36	702.328	0.486	5.83	SA-G2	12.061		8.000	4.03	1.2500	0.000	-0.024	-0.024	1.274	1.274	0.8333	5.290	5.290	701.054	701.054
A90	STRINGERC	-29.404	149+86.36	149+86.36	701.83	0.498	5.98	G2-SC	12.376	8.000		4.02	1.2500	0.000	-0.024		1.274		0.8333	5.290		701.054	
A90	GDR3	-17.17	149+86.36	149+86.36	701.338	0.492	5.90	SC-G3	12.234		8.000	4.02	1.2500	0.000	-0.020	-0.020	1.270	1.270	0.8333	5.240	5.240	700.068	700.068
A90	STRINGERE	-4.636	149+86.36	149+86.36	700.834	0.504	6.05	G3-SE	12.534	8.000		4.02	1.2500	0.000	-0.020		1.270		0.8333	5.240		700.068	
A90	GDR4	7.761	149+86.36	149+86.36	700.335	0.499	5.99	SE-G4	12.397		8.000	4.03	1.2500	0.000	-0.020	-0.020	1.270	1.270	0.8333	5.241	5.241	699.065	699.065
A90	STRINGERG	20.446	149+86.36	149+86.36	699.825	0.510	6.12	G4-SG	12.685	8.000		4.02	1.2500	0.000	-0.020		1.270		0.8333	5.241		699.065	
A90	GDR5	32.999	149+86.36	149+86.36	699.32	0.505	6.06	SG-G5	12.553		8.000	4.02	1.2500	0.000	-0.017	-0.017	1.267	1.267	0.8333	5.201	5.201	698.053	698.053
A91	GDR1	-67.028	150+10.88		703.136																		
A91	STRINGERA	-54.707	150+10.88		702.713	0.423	5.08	G1-SA	12.321	8.000			1.2500	0.000	0.000		1.250		0.8333	5.000		701.886	
A91	GDR2	-42.496	150+10.88		702.225	0.488	5.86	SA-G2	12.211		8.000	4.00	1.2500	0.000	-0.007	-0.007	1.257	1.257	0.8333	5.084	5.084	700.968	700.968
A91	STRINGERC	-30.013	150+10.88		701.725	0.500	6.00	G2-SC	12.483	8.000		4.01	1.2500	0.000	-0.007		1.257		0.8333	5.084		700.968	
A91	GDR3	-17.637	150+10.88		701.23	0.495	5.94	SC-G3	12.376		8.000	4.00	1.2500	0.000	-0.009	-0.009	1.259	1.259	0.8333	5.108	5.108	699.971	699.971
A91	STRINGERE	-5	150+10.88		700.725	0.505	6.06	G3-SE	12.637	8.000		4.00	1.2500	0.000	-0.009		1.259		0.8333	5.108		699.971	
A91	GDR4	7.533	150+10.88		700.223	0.502	6.02	SE-G4	12.533		8.000	4.01	1.2500	0.000	-0.017	-0.017	1.267	1.267	0.8333	5.204	5.204	698.956	698.956
A91	STRINGERG	20.316	150+10.88		699.712	0.511	6.13	G4-SG	12.783	8.000		4.00	1.2500	0.000	-0.017		1.267		0.8333	5.204		698.956	
A91	GDR5	32.999	150+10.88		699.205	0.507	6.08	SG-G5	12.683		8.000	4.00	1.2500	0.000	-0.020	-0.020	1.267	1.270	0.8333	5.240	5.240	697.935	697.935
A92	GDR1	-67.985	150+35.31		703.052																		
A92	STRINGERA	-55.496	150+35.31		702.622	0.430	5.16	G1-SA	12.489	8.000			1.2500	0.000	0.002		1.248		0.8333	4.976		701.804	
A92	GDR2	-43.197	150+35.30		702.13	0.492	5.90	SA-G2	12.299		8.000	4.00	1.2500	0.000	-0.003	-0.003	1.253	1.253	0.8333	5.036	5.036	700.877	700.877
A92	STRINGERC	-30.553	150+35.30		701.625	0.505	6.06	G2-SC	12.644	8.000		3.99	1.2500	0.000	-0.003		1.253		0.8333	5.036		700.877	
A92	GDR3	-18.093	150+35.30		701.126	0.499	5.99	SC-G3	12.460		8.000	4.00	1.2500	0.000	-0.005	-0.005	1.255	1.255	0.8333	5.060	5.060	699.871	699.871
A92	STRINGERE	-5.302	150+35.30		700.615	0.511	6.13	G3-SE	12.791	8.000		3.99	1.2500	0.000	-0.005		1.255		0.8333	5.060		699.871	
A92	GDR4	7.31	150+35.30		700.11	0.505	6.06	SE-G4	12.612		8.000	4.00	1.2500	0.000	-0.011	-0.011	1.261	1.261	0.8333	5.132	5.132	698.849	698.849
A92	STRINGERG	20.242	150+35.30		699.593	0.517	6.20	G4-SG	12.932	8.000		4.00	1.2500	0.000	-0.011		1.261		0.8333	5.132		698.849	
A92	GDR5	32.999	150+35.30		699.083	0.510	6.12	SG-G5	12.757		8.089	4.00	1.2500	0.000	-0.016	-0.016	1.266	1.266	0.8333	5.192	5.192	697.817	697.817
A93	GDR1	-68.929	150+59.81		702.967																		
A93	STRINGERA	-56.313	150+59.81		702.533	0.434	5.21	G1-SA	12.616	8.090			1.2500	0.000	-0.001		1.251		0.8333	5.012		701.716	
A93	GDR2	-43.888	150+59.81		702.036	0.497	5.96	SA-G2	12.425		8.367	4.00	1.2500	0.000	-0.004	-0.004	1.254	1.254	0.8333	5.048	5.048	700.782	700.782
A93	STRINGERC	-31.123	150+59.81		701.525	0.511	6.13	G2-SC	12.765	8.367		4.00	1.2500	0.000	-0.004		1.254		0.8333	5.048		700.782	
A93	GDR3																						

Final Dead Load Defl. Left Girder (ft)	Final Dead Load Defl. Right Girder (ft)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)	(SW <sub>o</sub> ) No Load Top of Girder Web Cross-slope G1-G2 (%)	(SW <sub>e</sub> ) Final Top of Girder Web Cross-slope G1-G2 (%)	(SS <sub>o</sub> ) Slope of Stringer line G1-G2 (%)	Str.	Δ <sub>g, str</sub> (ft)	No Load Top of Stringer Elev.	Final Stringer Haunch (in)	Depth of Stringer (ft)	Elev. Top of Diaphragm (ft)	Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)	Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)	Depth of Diaphragm (ft)	Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)	Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)	Proposed knee brace height Left (ft)	Proposed knee brace height Right (ft)	Diaph % of Girder Depth Left	Diaph % of Girder Depth Right	2" clr Room for Proposed knee brace? Left	2" clr Room for Proposed knee brace? Right	Clear below knee brace Left (in)	Clear below knee brace Right (in)
-0.228	-0.241	702.341	701.465	3.692	3.747	3.974	A	0.4685	702.183	2.442	1.5521	700.631	1.710	0.834	2.3646	4.242	5.118	3.9167	3.9167	0.73	0.73	OK	OK	3.90	14.41
-0.241	-0.233	701.465	700.488				C	0.4853	701.223	2.296	1.5521	699.671	1.793	0.817	2.3646	4.158	5.135	3.9167	3.9167	0.73	0.73	OK	OK	2.90	14.61
-0.233	-0.215	700.488	699.483				E	0.4996	700.233	2.207	1.5521	698.681	1.807	0.802	2.3646	4.144	5.149	3.9167	3.9167	0.73	0.73	OK	OK	2.73	14.79
-0.215	-0.178	699.483	698.449				G	0.5143	699.213	2.055	1.5521	697.661	1.822	0.788	2.3646	4.130	5.164	3.9167	3.9167	0.73	0.73	OK	OK	2.55	14.96
-0.312	-0.326	702.346	701.462	3.680	3.739	3.990	A	0.4770	702.189	2.554	1.5521	700.637	1.709	0.825	2.3646	3.926	4.810	3.625	3.9167	0.72	0.75	OK	OK	3.61	10.72
-0.326	-0.313	701.462	700.472				C	0.4929	701.215	2.340	1.5521	699.663	1.799	0.809	2.3646	3.836	4.826	3.625	3.9167	0.72	0.75	OK	OK	2.53	10.91
-0.313	-0.287	700.472	699.454				E	0.5069	700.211	2.161	1.5521	698.659	1.813	0.795	2.3646	3.822	4.840	3.625	3.9167	0.72	0.75	OK	OK	2.37	11.08
-0.287	-0.237	699.454	698.402				G	0.5238	699.176	1.908	1.5521	697.624	1.830	0.778	2.3646	3.805	4.857	3.625	3.9167	0.72	0.75	OK	OK	2.16	11.29
-0.373	-0.385	702.336	701.439	3.698	3.748	3.980	A	0.4800	702.169	2.362	1.5521	700.617	1.720	0.822	2.3646	3.916	4.813	3.625	3.9167	0.72	0.75	OK	OK	3.49	10.76
-0.385	-0.368	701.439	700.436				C	0.4985	701.185	2.162	1.5521	699.632	1.806	0.804	2.3646	3.829	4.832	3.625	3.9167	0.72	0.75	OK	OK	2.45	10.98
-0.368	-0.338	700.436	699.403				E	0.5137	700.167	2.064	1.5521	698.615	1.821	0.788	2.3646	3.814	4.847	3.625	3.9167	0.72	0.75	OK	OK	2.27	11.16
-0.338	-0.282	699.403	698.335				G	0.5310	699.116	1.888	1.5521	697.564	1.839	0.771	2.3646	3.797	4.864	3.625	3.9167	0.72	0.75	OK	OK	2.06	11.37
-0.393	-0.400	702.279	701.368	3.714	3.742	3.968	A	0.4845	702.103	2.126	1.5521	700.550	1.729	0.818	2.3646	3.907	4.818	3.625	3.9167	0.72	0.75	OK	OK	3.38	10.81
-0.400	-0.381	701.368	700.352				C	0.5058	701.108	1.978	1.5521	699.556	1.812	0.796	2.3646	3.823	4.839	3.625	3.9167	0.72	0.75	OK	OK	2.38	11.07
-0.381	-0.353	700.352	699.309				E	0.5193	700.078	1.996	1.5521	698.526	1.826	0.783	2.3646	3.810	4.853	3.625	3.9167	0.72	0.75	OK	OK	2.22	11.23
-0.353	-0.300	699.309	698.235				G	0.5349	699.020	1.905	1.5521	697.468	1.841	0.767	2.3646	3.794	4.868	3.625	3.9167	0.72	0.75	OK	OK	2.03	11.42
-0.369	-0.370	702.173	701.247	3.736	3.740	3.996	A	0.4915	701.989	2.042	1.5521	700.436	1.737	0.811	2.3646	3.899	4.825	3.625	3.9167	0.72	0.75	OK	OK	3.29	10.90
-0.370	-0.352	701.247	700.223				C	0.5082	700.981	1.949	1.5521	699.429	1.818	0.794	2.3646	3.818	4.842	3.625	3.9167	0.72	0.75	OK	OK	2.31	11.10
-0.352	-0.329	700.223	699.178				E	0.5188	699.947	1.966	1.5521	698.395	1.828	0.783	2.3646	3.807	4.852	3.625	3.9167	0.72	0.75	OK	OK	2.19	11.23
-0.329	-0.288	699.178	698.105				G	0.5328	698.888	1.918	1.5521	697.336	1.842	0.769	2.3646	3.793	4.955	3.625	3.9167	0.72	0.75	OK	OK	2.02	12.46
-0.313	-0.311	702.029	701.093	3.738	3.730	4.008	A	0.4980	701.841	2.036	1.5521	700.289	1.740	0.804	2.3646	3.985	5.198	3.625	4.4167	0.71	0.78	OK	OK	4.32	9.38
-0.311	-0.298	701.093	700.064				C	0.5107	700.825	1.979	1.5521	699.273	1.820	0.791	2.3646	4.182	5.631	3.625	4.4167	0.69	0.74	OK	OK	6.68	14.57
-0.298	-0.285	700.064	699.021				E	0.5178	699.789	2.026	1.5521	698.237	1.827	0.784	2.3646	4.595	6.204	4.4167	5	0.74	0.76	OK	OK	2.14	14.45
-0.285	-0.259	699.021	697.954				G	0.5299	698.734	2.002	1.5521	697.182	1.839	0.772	2.3646	5.149	6.929	5	6	0.76	0.80	NG!	OK	1.79	11.15
-0.150	-0.168	701.561	700.610	3.675	3.744	3.935	A	0.5139	701.374	2.253	1.5521	699.822	1.739	0.788	2.3646	3.896	4.847	3.625	3.9167	0.72	0.75	OK	OK	3.25	11.17
-0.168	-0.174	700.610	699.571				C	0.5227	700.344	2.183	1.5521	698.792	1.818	0.779	2.3646	3.817	4.856	3.625	3.9167	0.72	0.75	OK	OK	2.30	11.27
-0.174	-0.170	699.571	698.515				E	0.5300	699.295	2.096	1.5521	697.743	1.828	0.772	2.3646	3.807	4.863	3.625	3.9167	0.72	0.75	OK	OK	2.19	11.36
-0.170	-0.155	698.515	697.435				G	0.5411	698.226	1.999	1.5521	696.674	1.841	0.761	2.3646	3.794	4.874	3.625	3.9167	0.72	0.75	OK	OK	2.03	11.49
-0.124	-0.142	701.469	700.513	3.669	3.738	3.931	A	0.5130	701.276	2.216	1.5521	699.724	1.745	0.789	2.3646	3.890	4.846	3.625	3.9167	0.72	0.75	OK	OK	3.18	11.16
-0.142	-0.144	700.513	699.463				C	0.5255	700.238	2.114	1.5521	698.686	1.827	0.777	2.3646	3.809	4.859	3.625	3.9167	0.72	0.75	OK	OK	2.21	11.31
-0.144	-0.136	699.463	698.396				E	0.5340	699.180	2.036	1.5521	697.628	1.835	0.768	2.3646	3.800	4.867	3.625	3.9167	0.72	0.75	OK	OK	2.10	11.41
-0.136	-0.113	698.396	697.305				G	0.5463	698.101	1.901	1.5521	696.549	1.847	0.756	2.3646	3.789	4.880	3.625	3.9167	0.72	0.75	NG!	OK	1.96	11.55

1-Stringer Standard Diaphragm - Type A

Label	Group	Offset	Station	Top of Deck		Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>E</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist from top of slab to top of Girder Web (ft)	Optional Input		Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)	Girder Haunch (Bottom of Slab to Top of Web) (Right) (in)	Top of Girder Web Elev. (Left)	Top of Girder Web Elev. (Right)
				Elevation	Elev Diff btwn Points (ft)						Elev Diff btwn Girders (in)	Δ in Bearing Height Elev. (ft)							
A96	GDR1	-73.383	151+81.95	702.535															
A96	STRINGERA	-60.296	151+81.95	702.081	0.454	5.45	G1-SA	13.087	8.000	1.2500	0.000	-0.005	1.255	0.8333	5.060		701.280		
A96	GDR2	-47.151	151+81.95	701.555	0.526	6.31	SA-G2	13.145		1.2500	0.000		1.255	0.8333		5.060		700.300	
A96	STRINGERC	-33.96	151+81.95	701.028	0.527	6.32	G2-SC	13.191	8.000	1.2500	0.000	-0.005	1.255	0.8333	5.060		700.300		
A96	GDR3	-20.669	151+81.95	700.496	0.532	6.38	SC-G3	13.291	8.000	1.2500	0.000		1.253	0.8333	5.036		699.243	699.243	
A96	STRINGERE	-7.386	151+81.95	699.965	0.531	6.37	G3-SE	13.283	8.000	1.2500	0.000	-0.003	1.253	0.8333	5.036		699.243		
A96	GDR4	6.052	151+81.95	699.427	0.538	6.46	SE-G4	13.438	8.000	1.2500	0.000	0.000	1.250	0.8333	5.000		698.177	698.177	
A96	STRINGERG	19.414	151+81.95	698.893	0.534	6.41	G4-SG	13.362	8.000	1.2500	0.000	0.000	1.250	0.8333	5.000		698.177		
A96	GDR5	32.999	151+81.95	698.349	0.544	6.53	SG-G5	13.585	8.000	1.2500	0.000	0.004	1.246	0.8333	4.952		697.103	697.103	
A97	GDR1	-76.197	152+65.76	702.228															
A97	STRINGERA	-62.618	152+65.76	701.755	0.473	5.68	G1-SA	13.579	9.768	1.2500	0.000	0.009	1.241	0.8333	4.892		700.987		
A97	GDR2	-49.212	152+65.76	701.219	0.536	6.43	SA-G2	13.406		1.2500	0.000		1.240	0.8333	4.880		699.979	699.979	
A97	STRINGERC	-35.529	152+65.76	700.671	0.548	6.58	G2-SC	13.683	9.277	1.2500	0.000	0.010	1.240	0.8333	4.880		699.979		
A97	GDR3	-22.011	152+65.76	700.131	0.540	6.48	SC-G3	13.518	8.86	1.2500	0.000		1.232	0.8333	4.784		698.899	698.899	
A97	STRINGERE	-8.228	152+65.76	699.579	0.552	6.62	G3-SE	13.783	8.86	1.2500	0.000	0.018	1.232	0.8333	4.784		698.899		
A97	GDR4	5.396	152+65.76	699.034	0.545	6.54	SE-G4	13.624	8.518	1.2500	0.000	0.025	1.225	0.8333	4.700		697.809	697.809	
A97	STRINGERG	19.274	152+65.76	698.479	0.555	6.66	G4-SG	13.878	8.518	1.2500	0.000	0.025	1.225	0.8333	4.700		697.809		
A97	GDR5	32.999	152+65.76	697.93	0.549	6.59	SG-G5	13.725	8.254	1.2500	0.000	0.033	1.217	0.8333	4.604		696.713	696.713	
A98	GDR1	-77.08	152+93.33	702.126															
A98	STRINGERA	-63.41	152+93.33	701.649	0.477	5.72	G1-SA	13.670	8.000	1.2500	0.000	0.013	1.237	0.8333	4.844		700.889		
A98	GDR2	-49.859	152+93.33	701.107	0.542	6.50	SA-G2	13.551	8.000	1.2500	0.000		1.237	0.8333	4.844		699.870	699.870	
A98	STRINGERC	-36.087	152+93.33	700.556	0.551	6.61	G2-SC	13.772	8.000	1.2500	0.000	0.013	1.237	0.8333	4.844		699.870		
A98	GDR3	-22.432	152+93.33	700.01	0.546	6.55	SC-G3	13.655	8.000	1.2500	0.000	0.023	1.227	0.8333	4.724		698.783	698.783	
A98	STRINGERE	-8.564	152+93.33	699.455	0.555	6.66	G3-SE	13.868	8.000	1.2500	0.000	0.023	1.227	0.8333	4.724		698.783		
A98	GDR4	5.191	152+93.33	698.905	0.550	6.60	SE-G4	13.755	8.000	1.2500	0.000	0.031	1.219	0.8333	4.628		697.686	697.686	
A98	STRINGERG	19.151	152+93.33	698.346	0.559	6.71	G4-SG	13.960	8.000	1.2500	0.000	0.031	1.219	0.8333	4.628		697.686		
A98	GDR5	32.999	152+93.33	697.792	0.554	6.65	SG-G5	13.848	8.000	1.2500	0.000	0.039	1.211	0.8333	4.532		696.581	696.581	
A99	GDR1	-77.759	153+15.03	702.044															
A99	STRINGERA	-63.986	153+15.03	701.563	0.481	5.77	G1-SA	13.773	8.000	1.2500	0.000	0.021	1.229	0.8333	4.748		700.815		
A99	GDR2	-50.356	153+15.03	701.018	0.545	6.54	SA-G2	13.630	8.000	1.2500	0.000		1.229	0.8333	4.748		699.789	699.789	
A99	STRINGERC	-36.489	153+15.03	700.464	0.554	6.65	G2-SC	13.867	8.000	1.2500	0.000	0.021	1.229	0.8333	4.748		699.789		
A99	GDR3	-22.756	153+15.03	699.914	0.550	6.60	SC-G3	13.733	8.000	1.2500	0.000	0.033	1.217	0.8333	4.604		698.697	698.697	
A99	STRINGERE	-8.803	153+15.03	699.356	0.558	6.70	G3-SE	13.953	8.000	1.2500	0.000	0.033	1.217	0.8333	4.604		698.697		
A99	GDR4	5.032	153+15.03	698.803	0.553	6.64	SE-G4	13.835	8.000	1.2500	0.000	0.040	1.210	0.8333	4.520		697.593	697.593	
A99	STRINGERG	19.072	153+15.03	698.241	0.562	6.74	G4-SG	14.040	8.000	1.2500	0.000	0.040	1.210	0.8333	4.520		697.593		
A99	GDR5	32.999	153+15.03	697.684	0.557	6.68	SG-G5	13.927	8.000	1.2500	0.000	0.045	1.205	0.8333	4.460		696.479	696.479	
A100	GDR1	-78.425	153+36.72	701.962															
A100	STRINGERA	-64.56	153+36.72	701.478	0.484	5.81	G1-SA	13.865	8.000	1.2500	0.000	0.032	1.218	0.8333	4.616		700.744		
A100	GDR2	-50.844	153+36.72	700.929	0.549	6.59	SA-G2	13.716	8.000	1.2500	0.000		1.219	0.8333	4.628		699.710	699.710	
A100	STRINGERC	-36.889	153+36.72	700.371	0.558	6.70	G2-SC	13.955	8.000	1.2500	0.000	0.031	1.219	0.8333	4.628		699.710		
A100	GDR3	-23.073	153+36.72	699.818	0.553	6.64	SC-G3	13.816	8.000	1.2500	0.000	0.043	1.207	0.8333	4.484		698.611	698.611	
A100	STRINGERE	-9.047	153+36.72	699.257	0.561	6.73	G3-SE	14.026	8.000	1.2500	0.000	0.043	1.207	0.8333	4.484		698.611		
A100	GDR4	4.877	153+36.72	698.7	0.557	6.68	SE-G4	13.924	8.000	1.2500	0.000	0.049	1.201	0.8333	4.412		697.499	697.499	
A100	STRINGERG	18.986	153+36.72	698.136	0.564	6.77	G4-SG	14.109	8.000	1.2500	0.000	0.049	1.201	0.8333	4.412		697.499		
A100	GDR5	32.999	153+36.72	697.576	0.560	6.72	SG-G5	14.013	8.000	1.2500	0.000	0.049	1.201	0.8333	4.412		696.375	696.375	
A101	GDR1	-79.094	153+58.98	701.878															
A101	STRINGERA	-65.133	153+58.98	701.39	0.488	5.86	G1-SA	13.961	8.000	1.2500	0.000	0.040	1.210	0.8333	4.520		700.668		
A101	GDR2	-51.334	153+58.98	700.838	0.552	6.62	SA-G2	13.799	8.000	1.2500	0.000		1.209	0.8333	4.508		699.629	699.629	
A101	STRINGERC	-37.281	153+58.98	700.275	0.563	6.76	G2-SC	14.053	8.000	1.2500	0.000	0.041	1.209	0.8333	4.508		699.629		
A101	GDR3	-23.392	153+58.98	699.72	0.555	6.66	SC-G3	13.889	8.000	1.2500	0.000	0.050	1.200	0.8333	4.400		698.520	698.520	
A101	STRINGERE	-9.232	153+58.98	699.153	0.567	6.80	G3-SE	14.160	8.000	1.2500	0.000	0.050	1.200	0.8333	4.400		698.520		
A101	GDR4	4.722	153+58.98	698.595	0.558	6.70	SE-G4	13.954	8.000	1.2500	0.000	0.053	1.197	0.8333	4.364		697.398	697.398	
A101	STRINGERG	18.965	153+58.98	698.026	0.569	6.83	G4-SG	14.243	8.000	1.2500	0.000	0.053	1.197	0.8333	4.364		697.398		
A101	GDR5	32.999	153+58.98	697.464	0.562	6.74	SG-G5	14.034	8.136	1.2500	0.000	0.048	1.202	0.8333	4.424		696.262	696.262	
A102	GDR1	-79.812	153+83.42	701.784															
A102	STRINGERA	-65.66	153+83.42	701.288	0.496	5.95	G1-SA	14.152	8.000	1.2500	0.000	0.046	1.204	0.8333	4.448		700.580		
A102	GDR2	-51.86	153+83.42	700.736	0.552	6.62	SA-G2	13.800	8.000	1.2500	0.000		1.204	0.8333	4.448		699.532	699.532	
A102	STRINGERC	-37.624	153+83.42	700.167	0.569	6.83	G2-SC	14.236	8.000	1.2500	0.000	0.046	1.204	0.8333	4.448		699.532		
A102	GDR3	-23.735	153+83.42	699.611	0.556	6.67	SC-G3	13.889	8.097	1.2500	0.000	0.050	1.200	0.8333	4.400		698.411	698.411	
A102	STRINGERE	-9.411	153+83.42	699.038	0.573	6.88	G3-SE	14.324	8.097	1.2500	0.000	0.050	1.200	0.8333	4.400		698.411		
A102	GDR4	4.554	153+83.42	698.48	0.558	6.70	SE-G4	13.965	8.851	1.2500	0.000	0.048	1.202	0.8333	4.424		697.278	697.278	
A102	STRINGERG	18.953	153+83.42	697.904	0.576	6.91	G4-SG	14.399	8.851	1.2500	0.000	0.048	1.202	0.8333	4.424		697.278		
A102	GDR5	32.999	153+83.42	697.342	0.562	6.74	SG-G5	14.046	10.223	1.2500	0.000	0.040	1.210	0.8333	4.520		696.132	696.132	

<u>Final Dead Load Defl. Left Girder (ft)</u>	<u>Final Dead Load Defl. Right Girder (ft)</u>	<u>Top of Girder Web Elev. (Left)</u>	<u>Top of Girder Web Elev. (Right)</u>	<u>(SW<sub>o</sub>) No Load Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SW<sub>e</sub>) Final Top of Girder Web Cross-slope G1-G2 (%)</u>	<u>(SS<sub>o</sub>) Slope of Stringer line G1-G2 (%)</u>	<u>Str.</u>	<u>Δ<sub>g, str</sub> (ft)</u>	<u>No Load Top of Stringer Elev.</u>	<u>Final Stringer Haunch (in)</u>	<u>Depth of Stringer (ft)</u>	<u>Elev. Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Left Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Dist from Bott. of Right Girder Top Flg to Top of Diaphragm (ft)</u>	<u>Depth of Diaphragm (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)</u>	<u>Dist from Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)</u>	<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>	
-0.091		701.371	700.406	3.679	3.736	3.944	A	0.5185	701.174	2.150	1.5521	699.622	1.749	0.784	2.3646	3.887	4.852	3.625	3.9167	0.72	0.75	OK	OK	3.14	11.22	
-0.106	-0.106	700.406	699.346				C	0.5320	700.128	2.036	1.5521	698.576	1.830	0.770	2.3646	3.805	4.865	3.625	3.9167	0.72	0.75	OK	OK	2.16	11.38	
-0.103	-0.103	699.346	698.266				E	0.5431	699.059	1.938	1.5521	697.507	1.839	0.759	2.3646	3.796	4.876	3.625	3.9167	0.72	0.75	OK	OK	2.06	11.52	
-0.089	-0.089	698.266	697.164				G	0.5556	697.970	1.813	1.5521	696.417	1.849	0.747	2.3646	3.787	4.889	3.625	3.9167	0.72	0.75	NG!	OK	1.94	11.67	
-0.061	-0.061	697.164																								
0.046		700.941	699.948	3.680	3.735	3.943	A	0.5285	700.727	1.969	1.5521	699.174	1.767	0.774	2.3646	5.637	6.139	5	5	0.73	0.77	OK	OK	7.64	13.67	
0.031	0.031	699.948	698.850				C	0.5457	699.646	1.716	1.5521	698.094	1.854	0.756	2.3646	5.058	5.739	4.4167	5	0.71	0.80	OK	OK	7.70	8.87	
0.049	0.049	698.850	697.721				E	0.5612	698.532	1.505	1.5521	696.980	1.870	0.741	2.3646	4.626	5.413	4.4167	5	0.74	0.83	OK	OK	2.51	4.95	
0.088	0.088	697.721	696.561				G	0.5768	697.388	1.271	1.5521	695.836	1.885	0.725	2.3646	4.268	5.164	3.9167	5	0.71	0.86	OK	NG!	4.22	1.97	
0.152	0.152	696.561																								
0.048		700.841	699.840	3.677	3.743	3.934	A	0.5330	700.623	1.952	1.5521	699.071	1.770	0.769	2.3646	3.865	4.866	3.625	3.9167	0.72	0.75	OK	OK	2.88	11.40	
0.030	0.030	699.840	698.727				C	0.5541	699.531	1.626	1.5521	697.979	1.861	0.748	2.3646	3.774	4.887	3.625	3.9167	0.72	0.75	NG!	OK	1.79	11.65	
0.056	0.056	698.727	697.578				E	0.5721	698.400	1.362	1.5521	696.848	1.879	0.730	2.3646	3.756	4.905	3.625	3.9167	0.72	0.75	NG!	OK	1.58	11.87	
0.108	0.108	697.578	696.389				G	0.5921	697.231	1.075	1.5521	695.679	1.899	0.710	2.3646	3.736	4.925	3.625	3.9167	0.72	0.75	NG!	OK	1.34	12.10	
0.192	0.192	696.389																								
0.056		700.759	699.748	3.689	3.744	3.944	A	0.5375	700.536	1.838	1.5521	698.983	1.776	0.765	2.3646	3.860	4.871	3.625	3.9167	0.72	0.75	OK	OK	2.82	11.45	
0.041	0.041	699.748	698.619				C	0.5618	699.431	1.463	1.5521	697.879	1.869	0.740	2.3646	3.766	4.895	3.625	3.9167	0.72	0.75	NG!	OK	1.69	11.74	
0.078	0.078	698.619	697.452				E	0.5810	698.283	1.184	1.5521	696.731	1.888	0.721	2.3646	3.747	4.914	3.625	3.9167	0.72	0.75	NG!	OK	1.47	11.97	
0.141	0.141	697.452	696.245				G	0.6011	697.096	0.931	1.5521	695.544	1.908	0.701	2.3646	3.727	4.934	3.625	3.9167	0.72	0.75	NG!	OK	1.23	12.21	
0.234	0.234	696.245																								
0.085		700.659	699.633	3.720	3.749	3.974	A	0.5450	700.428	1.676	1.5521	698.876	1.783	0.757	2.3646	3.852	4.878	3.625	3.9167	0.72	0.75	OK	OK	2.73	11.54	
0.077	0.077	699.633	698.488				C	0.5696	699.308	1.284	1.5521	697.756	1.877	0.732	2.3646	3.758	4.903	3.625	3.9167	0.72	0.75	NG!	OK	1.60	11.84	
0.123	0.123	698.488	697.310				E	0.5869	698.147	1.054	1.5521	696.595	1.893	0.715	2.3646	3.742	4.920	3.625	3.9167	0.72	0.75	NG!	OK	1.41	12.04	
0.189	0.189	697.310	696.102				G	0.6019	696.954	0.909	1.5521	695.402	1.908	0.700	2.3646	3.727	4.935	3.625	3.9167	0.72	0.75	NG!	OK	1.23	12.22	
0.273	0.273	696.102																								
0.136		700.532	699.493	3.743	3.743	4.000	A	0.5520	700.295	1.508	1.5521	698.743	1.789	0.750	2.3646	3.846	4.885	3.625	3.9167	0.72	0.75	OK	OK	2.66	11.62	
0.136	0.136	699.493	698.338				C	0.5741	699.162	1.171	1.5521	697.610	1.883	0.728	2.3646	3.752	4.907	3.625	3.9167	0.72	0.75	NG!	OK	1.53	11.89	
0.182	0.182	698.338	697.161				E	0.5842	697.995	1.050	1.5521	696.443	1.895	0.718	2.3646	3.741	4.918	3.625	3.9167	0.72	0.75	NG!	OK	1.39	12.01	
0.237	0.237	697.161	695.972				G	0.5901	696.812	1.087	1.5521	695.260	1.901	0.712	2.3646	3.734	5.059	3.625	3.9167	0.72	0.74	NG!	OK	1.31	13.71	
0.290	0.290	695.972																								
0.203		700.377	699.329	3.749	3.749	4.000	A	0.5520	700.131	1.448	1.5521	698.579	1.798	0.750	2.3646	3.837	4.885	3.625	3.9167	0.72	0.75	OK	OK	2.55	11.62	
0.203	0.203	699.329	698.179				C	0.5679	698.997	1.257	1.5521	697.445	1.884	0.734	2.3646	3.751	4.998	3.625	3.9167	0.72	0.75	NG!	OK	1.51	12.98	
0.232	0.232	698.179	697.023				E	0.5707	697.844	1.272	1.5521	696.292	1.887	0.731	2.3646	3.845	5.755	3.625	4.4167	0.71	0.74	OK	OK	2.64	16.06	
0.255	0.255	697.023	695.867				G	0.5708	696.688	1.414	1.5521	695.136	1.887	0.731	2.3646	4.599	7.127	4.4167	6	0.74	0.79	OK	OK	2.19	13.53	
0.265	0.265	695.867																								

Max (in) = 18.22  
Min (in) = 1.23

20.41  
1.97

<b>HNTB</b> The HNTB Companies	Made	<b>SJL</b>	Date	<b>6/5/2012</b>	Job Number	<b>49633</b>
	Checked	<b>DJG</b>	Date	<b>6/13/2012</b>		
	For	<b>Cleveland Innerbelt - Unit 2</b>	Backchk'd	<b>SJL</b>	Date	<b>6/18/2012</b>

\\kcow00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check[All\_diaphragms\_geometry\_2012-5-22.xlsm]Type B

**Delta Diaphragm - Type B**

Label	Group	Offset	Station	Top of Deck Elevation	Elev Diff btwn Points (ft)	Elev Diff btwn Girders (in)	Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD) <sub>F</sub> Final Deck Cross-slope G2-G5 (%)	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)
												Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)				
B1	GDR1	-53	129+42.09	702.979														
B1	STRINGERA	-42.729	129+42.02	703.073	-0.094	-1.13	G1-SA 10.271	15.318			1.2500	0.000	0.027		1.223		0.7500	5.676
B1	GDR2	-32.509	129+41.96	702.868	0.205	2.46	SA-G2 10.220		15.318	2.01	1.2500	0.000		0.028		1.222	0.7500	
B1	STRINGERC	-21.565	129+41.89	702.649	0.219	2.63	G2-SC 10.944	15.318		2.00	1.2500	0.000	0.028		1.222		0.7500	5.664
B1	GDR3	-10.674	129+41.82	702.43	0.219	2.63	SC-G3 10.891		15.318	2.01	1.2500	0.000		0.029		1.221	0.7500	
B1	STRINGERE	0.271	129+41.75	702.211	0.219	2.63	G3-SE 10.945	15.318		2.00	1.2500	0.000	0.029		1.221		0.7500	5.652
B1	GDR4	11.163	129+41.68	701.992	0.219	2.63	SE-G4 10.892		15.318	2.01	1.2500	0.000		0.027		1.223	0.7500	
B1	STRINGERG	22.108	129+41.61	701.773	0.219	2.63	G4-SG 10.945	15.318		2.00	1.2500	0.000	0.027		1.223		0.7500	5.676
B1	GDR5	33	129+41.54	701.554	0.219	2.63	SG-G5 10.892		15.318	2.01	1.2500	0.000		0.024		1.226	0.7500	
B2	GDR1	-52.89	130+67.91	703.972														
B2	STRINGERA	-42.063	130+67.98	704.086	-0.114	-1.37	G1-SA 10.827	15.318			1.2500	0.000	-0.034		1.284		0.7500	6.408
B2	GDR2	-31.416	130+68.05	703.874	0.212	2.54	SA-G2 10.647		15.318	1.99	1.2500	0.000		-0.031		1.281	0.7500	
B2	STRINGERC	-20.654	130+68.12	703.659	0.215	2.58	G2-SC 10.762	15.318		2.00	1.2500	0.000	-0.031		1.281		0.7500	6.372
B2	GDR3	-9.943	130+68.19	703.445	0.214	2.57	SC-G3 10.711		15.318	2.00	1.2500	0.000		-0.029		1.279	0.7500	
B2	STRINGERE	0.818	130+68.25	703.231	0.214	2.57	G3-SE 10.761	15.318		1.99	1.2500	0.000	-0.029		1.279		0.7500	6.348
B2	GDR4	11.529	130+68.32	703.017	0.214	2.57	SE-G4 10.711		15.318	2.00	1.2500	0.000		-0.030		1.280	0.7500	
B2	STRINGERG	22.29	130+68.39	702.802	0.215	2.58	G4-SG 10.761	15.318		2.00	1.2500	0.000	-0.030		1.280		0.7500	6.360
B2	GDR5	33	130+68.46	702.589	0.213	2.56	SG-G5 10.710		15.318	1.99	1.2500	0.000		-0.031		1.281	0.7500	
B3	GDR1	-50.123	133+07.07	705.708														
B3	STRINGERA	-39.707	133+07.01	705.986	-0.278	-3.34	G1-SA 10.416	15.318			1.2500	0.000	0.016		1.234		0.7500	5.808
B3	GDR2	-29.344	133+06.94	705.778	0.208	2.50	SA-G2 10.363		15.318	2.01	1.2500	0.000		0.017		1.233	0.7500	
B3	STRINGERC	-18.928	133+06.87	705.569	0.209	2.51	G2-SC 10.416	15.318		2.01	1.2500	0.000	0.017		1.233		0.7500	5.796
B3	GDR3	-8.563	133+06.81	705.362	0.207	2.48	SC-G3 10.365		15.318	2.00	1.2500	0.000		0.017		1.233	0.7500	
B3	STRINGERE	1.853	133+06.74	705.153	0.209	2.51	G3-SE 10.416	15.318		2.01	1.2500	0.000	0.017		1.233		0.7500	5.796
B3	GDR4	12.218	133+06.67	704.945	0.208	2.50	SE-G4 10.365		15.318	2.01	1.2500	0.000		0.013		1.237	0.7500	
B3	STRINGERG	22.635	133+06.60	704.736	0.209	2.51	G4-SG 10.417	15.318		2.01	1.2500	0.000	0.013		1.237		0.7500	5.844
B3	GDR5	33	133+06.54	704.528	0.208	2.50	SG-G5 10.365		15.318	2.01	1.2500	0.000		0.010		1.240	0.7500	
B4	GDR1	-48.667	134+32.93	706.791														
B4	STRINGERA	-38.432	134+33.00	706.987	-0.196	-2.35	G1-SA 10.235	15.318			1.2500	0.000	-0.023		1.273		0.7500	6.276
B4	GDR2	-28.249	134+33.06	706.784	0.203	2.44	SA-G2 10.183		15.318	1.99	1.2500	0.000		-0.020		1.270	0.7500	
B4	STRINGERC	-18.015	134+33.13	706.58	0.204	2.45	G2-SC 10.234	15.318		1.99	1.2500	0.000	-0.020		1.270		0.7500	6.240
B4	GDR3	-7.832	134+33.20	706.377	0.203	2.44	SC-G3 10.183		15.318	1.99	1.2500	0.000		-0.018		1.268	0.7500	
B4	STRINGERE	2.402	134+33.26	706.173	0.204	2.45	G3-SE 10.234	15.318		1.99	1.2500	0.000	-0.018		1.268		0.7500	6.216
B4	GDR4	12.584	134+33.33	705.97	0.203	2.44	SE-G4 10.182		15.318	1.99	1.2500	0.000		-0.018		1.268	0.7500	
B4	STRINGERG	22.818	134+33.40	705.765	0.205	2.46	G4-SG 10.234	15.318		2.00	1.2500	0.000	-0.018		1.268		0.7500	6.216
B4	GDR5	33	134+33.46	705.562	0.203	2.44	SG-G5 10.182		15.318	1.99	1.2500	0.000		-0.018		1.268	0.7500	
B5	GDR1	-45.728	136+87.04	707.759														
B5	STRINGERA	-35.782	136+86.98	707.784	-0.025	-0.30	G1-SA 9.946	15.318			1.2500	0.000	0.029		1.221		0.7500	5.652
B5	GDR2	-26.047	136+86.92	707.589	0.195	2.34	SA-G2 9.735		15.318	2.00	1.2500	0.000		0.027		1.223	0.7500	
B5	STRINGERC	-16.124	136+86.85	707.391	0.198	2.38	G2-SC 9.923	15.318		2.00	1.2500	0.000	0.027		1.223		0.7500	5.676
B5	GDR3	-6.365	136+86.79	707.196	0.195	2.34	SC-G3 9.759		15.318	2.00	1.2500	0.000		0.025		1.225	0.7500	
B5	STRINGERE	3.536	136+86.73	706.998	0.198	2.38	G3-SE 9.901	15.318		2.00	1.2500	0.000	0.025		1.225		0.7500	5.700
B5	GDR4	13.317	136+86.66	706.802	0.196	2.35	SE-G4 9.781		15.318	2.00	1.2500	0.000		0.021		1.229	0.7500	
B5	STRINGERG	23.196	136+86.60	706.605	0.197	2.36	G4-SG 9.879	15.318		1.99	1.2500	0.000	0.021		1.229		0.7500	5.748
B5	GDR5	33	136+86.54	706.409	0.196	2.35	SG-G5 9.804		15.318	2.00	1.2500	0.000		0.016		1.234	0.7500	
B6	GDR1	-45	138+12.96	707.234														
B6	STRINGERA	-35.145	138+13.02	707.217	0.017	0.20	G1-SA 9.855	15.318			1.2500	0.000	-0.038		1.288		0.7500	6.456
B6	GDR2	-25.5	138+13.09	707.024	0.193	2.32	SA-G2 9.645		15.318	2.00	1.2500	0.000		-0.032		1.282	0.7500	
B6	STRINGERC	-15.667	138+13.15	706.827	0.197	2.36	G2-SC 9.833	15.318		2.00	1.2500	0.000	-0.032		1.282		0.7500	6.384
B6	GDR3	-6	138+13.21	706.633	0.194	2.33	SC-G3 9.667		15.318	2.01	1.2500	0.000		-0.027		1.277	0.7500	
B6	STRINGERE	3.81	138+13.27	706.437	0.196	2.35	G3-SE 9.810	15.318		2.00	1.2500	0.000	-0.027		1.277		0.7500	6.324
B6	GDR4	13.5	138+13.34	706.242	0.195	2.34	SE-G4 9.690		15.318	2.01	1.2500	0.000		-0.024		1.274	0.7500	
B6	STRINGERG	23.287	138+13.40	706.046	0.196	2.35	G4-SG 9.787	15.318		2.00	1.2500	0.000	-0.024		1.274		0.7500	6.288
B6	GDR5	33	138+13.46	705.852	0.194	2.33	SG-G5 9.713		15.318	2.00	1.2500	0.000		-0.024		1.274	0.7500	



**Delta Diaphragm - Type B**

Label	Group	Offset	Station	Top of Deck		Dist btwn Points (ft)	Elev Diff btwn Girders (in)	Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD) <sub>F</sub> Final Deck Cross-slope G2-G5 (%)	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)
				Elevation	Elev Diff btwn Points (ft)								Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)				
B Sign	GDR1	-46.159	140+44.13		706.054														
B_sign	STRINGERA	-36.139	140+44.10		706.081	-0.027	-0.32	10.020	10.879		1.2500	1.2500	0.000	-0.021		1.271		0.7500	6.252
B Sign	GDR2	-26.12	140+44.08		705.881	0.200	2.40	10.019		10.879	2.00	1.2500	0.000		-0.019		1.269	0.7500	
B_sign	STRINGERC	-16.177	140+44.05		705.682	0.199	2.39	9.943	10.879		2.00	1.2500	0.000	-0.019		1.269		0.7500	6.228
B_sign	GDR3	-6.235	140+44.02		705.484	0.198	2.38	9.942		10.879	1.99	1.2500	0.000		-0.018		1.268	0.7500	
B_sign	STRINGERE	3.724	140+44.00		705.285	0.199	2.39	9.959	10.879		2.00	1.2500	0.000	-0.018		1.268		0.7500	6.216
B_sign	GDR4	13.682	140+43.97		705.086	0.199	2.39	9.958		10.879	2.00	1.2500	0.000		-0.017		1.267	0.7500	
B_sign	STRINGERG	23.357	140+43.94		704.892	0.194	2.33	9.675	10.879		2.01	1.2500	0.000	-0.017		1.267		0.7500	6.204
B_sign	GDR5	33	140+43.92		704.7	0.192	2.30	9.643		10.879	1.99	1.2500	0.000		-0.013		1.263	0.7500	
B Sign	GDR1	-46.277	140+50.68		706.02														
B Sign	STRINGERA	-36.237	140+50.66		706.051	-0.031	-0.37	10.040	11.957			1.2500	0.000	-0.022		1.272		0.7500	6.264
B Sign	GDR2	-26.197	140+50.64		705.85	0.201	2.41	10.040		11.957	2.00	1.2500	0.000		-0.021		1.271	0.7500	
B Sign	GDR4	13.664	140+50.56		705.053														
B Sign	STRINGERG	23.351	140+50.54		704.859	0.194	2.33	9.687	11.957			1.2500	0.000	-0.019		1.269		0.7500	6.222
B Sign	GDR5	33	140+50.52		704.666	0.193	2.32	9.649		11.957	2.00	1.2500	0.000		-0.015		1.265	0.7500	
B7	GDR1	-46.584	140+66.77		705.937														
B7	STRINGERA	-36.496	140+66.77		705.975	-0.038	-0.46	10.088	15.318			1.2500	0.000	-0.026		1.276		0.7500	6.312
B7	GDR2	-26.407	140+66.76		705.773	0.202	2.42	10.089		15.318	2.00	1.2500	0.000		-0.024		1.274	0.7500	
B7	STRINGERC	-16.416	140+66.76		705.574	0.199	2.39	9.991	15.318			1.2500	0.000	-0.024		1.274		0.7500	6.288
B7	GDR3	-6.425	140+66.76		705.374	0.200	2.40	9.991		15.318	2.00	1.2500	0.000		-0.022		1.272	0.7500	
B7	STRINGERE	3.588	140+66.75		705.174	0.200	2.40	10.013	15.318			1.2500	0.000	-0.022		1.272		0.7500	6.264
B7	GDR4	13.601	140+66.75		704.973	0.201	2.41	10.013		15.318	2.01	1.2500	0.000		-0.023		1.273	0.7500	
B7	STRINGERG	23.317	140+66.75		704.779	0.194	2.33	9.716	15.318			1.2500	0.000	-0.023		1.273		0.7500	6.276
B7	GDR5	33	140+66.74		704.585	0.194	2.33	9.683		15.318	2.00	1.2500	0.000		-0.021		1.271	0.7500	
B8	GDR1	-49.114	141+93.24		705.295														
B8	STRINGERA	-38.642	141+93.24		705.386	-0.091	-1.09	10.472	15.318			1.2500	0.000	-0.045		1.295		0.7500	6.540
B8	GDR2	-28.171	141+93.24		705.176	0.210	2.52	10.471		15.318	2.01	1.2500	0.000		-0.042		1.292	0.7500	
B8	STRINGERC	-17.906	141+93.24		704.971	0.205	2.46	10.265	15.318			1.2500	0.000	-0.042		1.292		0.7500	6.504
B8	GDR3	-7.641	141+93.24		704.766	0.205	2.46	10.265		15.318	2.00	1.2500	0.000		-0.041		1.291	0.7500	
B8	STRINGERE	2.671	141+93.25		704.559	0.207	2.48	10.312	15.318			1.2500	0.000	-0.041		1.291		0.7500	6.492
B8	GDR4	12.983	141+93.25		704.353	0.206	2.47	10.312		15.318	2.00	1.2500	0.000		-0.044		1.294	0.7500	
B8	STRINGERG	22.991	141+93.25		704.153	0.200	2.40	10.008	15.318			1.2500	0.000	-0.044		1.294		0.7500	6.528
B8	GDR5	33	141+93.25		703.953	0.200	2.40	10.009		15.318	2.00	1.2500	0.000		-0.049		1.299	0.7500	
B9	GDR1	-53.584	144+16.76		704.267														
B9	STRINGERA	-42.418	144+16.76		704.344	-0.077	-0.92	11.166	15.318			1.2500	0.000	-0.027		1.277		0.7500	6.324
B9	GDR2	-31.289	144+16.76		704.121	0.223	2.68	11.129		15.318	2.00	1.2500	0.000		-0.020		1.270	0.7500	
B9	STRINGERC	-20.54	144+16.76		703.906	0.215	2.58	10.749	15.318			1.2500	0.000	-0.020		1.270		0.7500	6.240
B9	GDR3	-9.791	144+16.75		703.691	0.215	2.58	10.749		15.318	2.00	1.2500	0.000		-0.018		1.268	0.7500	
B9	STRINGERE	1.05	144+16.75		703.474	0.217	2.60	10.841	15.318			1.2500	0.000	-0.018		1.268		0.7500	6.216
B9	GDR4	11.89	144+16.75		703.258	0.216	2.59	10.840		15.318	1.99	1.2500	0.000		-0.022		1.272	0.7500	
B9	STRINGERG	22.445	144+16.75		703.046	0.212	2.54	10.555	15.318			1.2500	0.000	-0.022		1.272		0.7500	6.264
B9	GDR5	33	144+16.75		702.835	0.211	2.53	10.555		15.318	2.00	1.2500	0.000		-0.030		1.280	0.7500	
B10	GDR1	-55.643	145+43.24	145+43.24	703.704														
B10	STRINGERA	-44.354	145+43.24	145+43.24	703.75	-0.046	-0.55	11.289	15.318			1.2500	0.000	-0.053		1.303		0.7500	6.635
B10	GDR2	-33.053	145+43.24	145+43.24	703.524	0.226	2.71	11.301		15.318	2.00	1.2500	0.000		-0.044		1.294	0.7500	
B10	STRINGERC	-22.03	145+43.25	145+43.25	703.303	0.221	2.65	11.023	15.318			1.2500	0.000	-0.044		1.294		0.7500	6.529
B10	GDR3	-11.008	145+43.25	145+43.25	703.083	0.220	2.64	11.022		15.318	2.00	1.2500	0.000		-0.042		1.292	0.7500	
B10	STRINGERE	0.132	145+43.25	145+43.25	702.86	0.223	2.68	11.140	15.318			1.2500	0.000	-0.042		1.292		0.7500	6.506
B10	GDR4	11.272	145+43.25	145+43.25	702.637	0.223	2.68	11.140		15.318	2.00	1.2500	0.000		-0.044		1.294	0.7500	
B10	STRINGERG	22.136	145+43.25	145+43.25	702.42	0.217	2.60	10.864	15.318			1.2500	0.000	-0.044		1.294		0.7500	6.527
B10	GDR5	33	145+43.25	145+43.25	702.203	0.217	2.60	10.864		15.318	2.00	1.2500	0.000		-0.052		1.302	0.7500	
B11	GDR1	-59.125	147+67.14	147+67.14	702.835														
B11	STRINGERA	-47.649	147+67.06	147+67.06	702.797	0.038	0.46	11.476	15.318			1.2500	0.000	0.006		1.244		0.8333	4.922
B11	GDR2	-36.174	147+66.99	147+66.99	702.543	0.254	3.05	11.475		15.318	2.21	1.2500	0.000		0.012		1.238	0.8333	
B11	STRINGERC	-24.666	147+66.92	147+66.92	702.289	0.254	3.05	11.508	15.318			1.2500	0.000	0.012		1.238		0.8333	4.852
B11	GDR3	-13.159	147+66.84	147+66.84	702.035	0.254	3.05	11.507		15.318	2.21	1.2500	0.000		0.014		1.236	0.8333	
B11	STRINGERE	-1.489	147+66.76	147+66.76	701.778	0.257	3.08	11.670	15.318			1.2500	0.000	0.014		1.236		0.8333	4.837

**Delta Diaphragm - Type B**

Label	Group	Offset	Station	Top of Deck			Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD) <sub>F</sub> Final Deck Cross-slope G2-G5 (%)	Original Dist from top of slab Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)			
				Elevation	Elev Diff btwn Points (ft)	Elev Diff btwn Girders (in)						Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)							
B11	GDR4	10.18	147+66.69	147+66.69	701.521	0.257	3.08	SE-G4	11.669												
B11	STRINGER	21.549	147+66.62	147+66.62	701.271	0.250	3.00	G4-SG	11.369	15.318		15.318	2.20	1.2500	0.000		0.013	0.013	1.237	0.8333	4.849
B11	GDR5	33	147+66.54	147+66.54	701.018	0.253	3.04	SG-G5	11.451			15.318	2.21	1.2500	0.000			0.012	1.238	0.8333	
B12	GDR1	-62.145	148+92.14	148+92.14	703.337																
B12	STRINGERA	-50.435	148+92.35	148+92.35	702.976	0.361	4.33	G1-SA	11.710	15.318		15.318	3.69	1.2500	0.000	-0.056			1.306	0.8333	5.671
B12	GDR2	-38.93	148+92.55	148+92.55	702.552	0.424	5.09	SA-G2	11.505			15.318	3.69	1.2500	0.000		-0.038	-0.038	1.288	0.8333	
B12	STRINGERC	-26.936	148+92.76	148+92.76	702.109	0.443	5.32	G2-SC	11.994	15.318		15.318	3.69	1.2500	0.000	-0.038			1.288	0.8333	5.462
B12	GDR3	-15.322	148+92.97	148+92.97	701.68	0.429	5.15	SC-G3	11.614			15.318	3.69	1.2500	0.000		-0.021		1.271	0.8333	
B12	STRINGERE	-3.078	148+93.19	148+93.19	701.227	0.453	5.44	G3-SE	12.244	15.318		15.318	3.70	1.2500	0.000	-0.021			1.271	0.8333	5.250
B12	GDR4	8.661	148+93.40	148+93.40	700.792	0.435	5.22	SE-G4	11.739			15.318	3.71	1.2500	0.000		-0.006	-0.006	1.256	0.8333	
B12	STRINGERG	20.996	148+93.63	148+93.63	700.334	0.458	5.50	G4-SG	12.335	15.318		15.318	3.71	1.2500	0.000	-0.006			1.256	0.8333	5.072
B12	GDR5	33	148+93.85	148+93.85	699.888	0.446	5.35	SG-G5	12.004			15.318	3.72	1.2500	0.000		0.011		1.239	0.8333	
B13	GDR1	-69.987	150+87.84		702.869																
B13	STRINGERA	-57.277	150+87.84		702.431	0.438	5.26	G1-SA	12.710	10.658		11.568	4.00	1.2500	0.000	-0.006			1.256	0.8333	5.072
B13	GDR2	-44.664	150+87.84		701.926	0.505	6.06	SA-G2	12.613			11.568	4.00	1.2500	0.000		-0.008	-0.008	1.258	0.8333	
B13	STRINGERC	-31.798	150+87.84		701.412	0.514	6.17	G2-SC	12.866	11.568		11.568	4.00	1.2500	0.000	-0.008			1.258	0.8333	5.096
B13	GDR3	-19.049	150+87.84		700.902	0.510	6.12	SC-G3	12.749			11.568	4.00	1.2500	0.000		-0.010		1.260	0.8333	
B13	STRINGERE	-6.037	150+87.84		700.381	0.521	6.25	G3-SE	13.012	12.617		12.617	4.00	1.2500	0.000	-0.010			1.260	0.8333	5.120
B13	GDR4	6.843	150+87.84		699.866	0.515	6.18	SE-G4	12.880			12.617	4.00	1.2500	0.000		-0.012	-0.012	1.262	0.8333	
B13	STRINGERG	19.993	150+87.84		699.34	0.526	6.31	G4-SG	13.150	13.800		13.800	4.00	1.2500	0.000	-0.012			1.262	0.8333	5.144
B13	GDR5	33	150+87.84		698.82	0.520	6.24	SG-G5	13.007			15.127	4.00	1.2500	0.000		-0.015		1.265	0.8333	
B14_c	GDR3	-19.15	150+93.53		700.877																
B14_c	STRINGERE	-6.099	150+93.64		700.355	0.522	6.26	G3-SE	13.051	13.782		11.568	4.00	1.2500	0.000	-0.018			1.268	0.8333	5.216
B14_c	GDR4	6.791	150+93.75		699.839	0.516	6.19	SE-G4	12.890			15.126	4.00	1.2500	0.000		-0.012		1.262	0.8333	
B14_b	GDR2	-44.971	150+99.11		701.882																
B14_b	STRINGERC	-32.045	150+99.33		701.364	0.518	6.22	G2-SC	12.926	13.736		11.568	4.01	1.2500	0.000	-0.011			1.261	0.8333	5.132
B14_b	GDR3	-19.257	150+99.55		700.852	0.512	6.14	SC-G3	12.788			15.143	4.00	1.2500	0.000		-0.018		1.268	0.8333	
B14_a	GDR1	-70.609	151+04.57		702.811																
B14_a	STRINGERA	-57.84	151+04.90		702.368	0.443	5.32	G1-SA	12.769	13.703		11.568	4.01	1.2500	0.000	-0.007			1.257	0.8333	5.084
B14_a	GDR2	-45.137	151+05.23		701.858	0.510	6.12	SA-G2	12.703			15.127	4.01	1.2500	0.000		-0.011		1.261	0.8333	
B15_a	GDR4	5.732	152+22.09		699.239																
B15_a	STRINGERG	19.397	152+22.19		698.692	0.547	6.56	G4-SG	13.665	15.128		13.975	4.00	1.2500	0.000	0.013			1.237	0.8333	4.844
B15_a	GDR5	33	152+22.30		698.148	0.544	6.53	SG-G5	13.603			13.975	4.00	1.2500	0.000		0.019		1.231	0.8333	
B15_b	GDR3	-21.401	152+26.90		700.301																
B15_b	STRINGERE	-7.79	152+27.12		699.755	0.546	6.55	G3-SE	13.611	15.128		13.943	4.01	1.2500	0.000	0.008			1.242	0.8333	4.904
B15_b	GDR4	5.691	152+27.34		699.215	0.540	6.48	SE-G4	13.481			13.943	4.01	1.2500	0.000		0.013		1.237	0.8333	
B15_c	GDR2	-48.39	152+31.62		701.357																
B15_c	STRINGERC	-34.857	152+31.94		700.814	0.543	6.52	G2-SC	13.533	15.128		13.912	4.01	1.2500	0.000	0.007			1.243	0.8333	4.916
B15_c	GDR3	-21.487	152+32.26		700.277	0.537	6.44	SC-G3	13.370			13.912	4.02	1.2500	0.000		0.008		1.242	0.8333	
B16	GDR1	-75.228	152+36.23		702.337																
B16	STRINGERA	-61.795	152+36.66		701.868	0.469	5.63	G1-SA	13.433	15.128		13.878	4.02	1.2500	0.000	0.006			1.244	0.8333	4.928
B16	GDR2	-48.524	152+37.09		701.335	0.533	6.40	SA-G2	13.271			13.878	4.02	1.2500	0.000		0.008	0.008	1.242	0.8333	
B16	STRINGERC	-34.983	152+37.53		700.791	0.544	6.53	G2-SC	13.541	13.878		12.741	4.02	1.2500	0.000	0.008			1.242	0.8333	4.904
B16	GDR3	-21.577	152+37.97		700.252	0.539	6.47	SC-G3	13.406			12.741	4.02	1.2500	0.000		0.013		1.237	0.8333	
B16	STRINGERE	-7.933	152+38.42		699.704	0.548	6.58	G3-SE	13.644	12.741		11.717	4.02	1.2500	0.000	0.013			1.237	0.8333	4.844
B16	GDR4	5.601	152+38.87		699.161	0.543	6.52	SE-G4	13.534			11.717	4.01	1.2500	0.000		0.019	0.019	1.231	0.8333	
B16	STRINGERG	19.341	152+39.32		698.609	0.552	6.62	G4-SG	13.740	11.717		10.810	4.02	1.2500	0.000	0.019			1.231	0.8333	4.772
B16	GDR5	33	152+39.79		698.06	0.549	6.59	SG-G5	13.659			10.810	4.02	1.2500	0.000		0.026		1.224	0.8333	



The HNTB Companies

For **Cleveland Innerbelt - Unit 2**  
\\kcow00\Jobs\49633\Bridges\Design\Final Design

**Delta Diaphragm - Type B**

Label	Group	Offset	Station	Girder Haunch		Final Top of		Final Dead		No Load Top of		(SW <sub>o</sub> ) No Load		(SW <sub>f</sub> ) Final		(SS <sub>o</sub> )		Str.	Δ@str (ft)	Distance FB moved down from Stringer (ft)	Top of Stringer Elev.	Stringer Haunch (in)	Depth of Stringer (ft)	Elev. Top of Diaphragm (ft)	Dist from Bott. of Left Girder Top Flg to Top of Diaph. (ft)
				(Bottom of Slab to Top of Web) (Right) (in)	Girder Web Elev. (Left) (ft)	Girder Web Elev. (Right) (ft)	Final Dead Load Defl. Left Girder (ft)	Final Dead Load Defl. Right Girder (ft)	Girder Web Elev. (Left) (ft)	Girder Web Elev. (Right) (ft)	Top of Girder Web Cross-slope G1-G2 (%)	Top of Girder Web Cross-slope G1-G2 (%)	Slope of Stringer line G1-G2 (%)												
B1	GDR1	-53	129+42.09																						
B1	STRINGERA	-42.729	129+42.02		701.756			-0.426		702.182															1.213
B1	GDR2	-32.509	129+41.96	5.664		701.646		-0.415		702.061		0.591	0.537	2.060	A	0.2105	0.00	702.521	2.598	1.5521	700.969			1.531	
B1	STRINGERC	-21.565	129+41.89		701.646			-0.415		702.061					C	0.2274	0.00	702.082	2.551	1.5521	700.530			1.535	
B1	GDR3	-10.674	129+41.82	5.652		701.209		-0.396		701.605															1.538
B1	STRINGERE	0.271	129+41.75		701.209			-0.396		701.605					E	0.2314	0.00	701.622	2.527	1.5521	700.070			1.538	
B1	GDR4	11.163	129+41.68	5.676		700.769		-0.372		701.141															1.538
B1	STRINGERG	22.108	129+41.61		700.769			-0.372		701.141															1.538
B1	GDR5	33	129+41.54	5.712		700.328		-0.342		700.670					G	0.2349	0.00	701.155	2.521	1.5521	699.603			1.538	
B2	GDR1	-52.89	130+67.91																						
B2	STRINGERA	-42.063	130+67.98		702.688			0.244		702.444															1.169
B2	GDR2	-31.416	130+68.05	6.372		702.593		0.213		702.380		0.298	0.442	1.847	A	0.1966	0.00	702.827	3.556	1.5521	701.275			1.504	
B2	STRINGERC	-20.654	130+68.12		702.593			0.213		702.380					C	0.2005	0.00	702.429	3.510	1.5521	700.876			1.505	
B2	GDR3	-9.943	130+68.19	6.348		702.166		0.188		701.978															1.505
B2	STRINGERE	0.818	130+68.25		702.166			0.188		701.978					E	0.2020	0.00	702.025	3.504	1.5521	700.473			1.507	
B2	GDR4	11.529	130+68.32	6.360		701.737		0.164		701.573															1.507
B2	STRINGERG	22.29	130+68.39		701.737			0.164		701.573															1.507
B2	GDR5	33	130+68.46	6.372		701.308		0.144		701.164					G	0.2040	0.00	701.618	3.480	1.5521	700.066			1.507	
B3	GDR1	-50.123	133+07.07																						
B3	STRINGERA	-39.707	133+07.01		704.474			0.110		704.364															1.013
B3	GDR2	-29.344	133+06.94	5.796		704.545		0.089		704.456		-0.443	-0.342	1.906	A	0.1975	0.00	704.904	2.922	1.5521	703.351			1.503	
B3	STRINGERC	-18.928	133+06.87		704.545			0.089		704.456					C	0.1995	0.00	704.506	2.886	1.5521	702.953			1.507	
B3	GDR3	-8.563	133+06.81	5.796		704.129		0.073		704.056															1.507
B3	STRINGERE	1.853	133+06.74		704.129			0.073		704.056					E	0.2035	0.00	704.101	2.898	1.5521	702.549			1.508	
B3	GDR4	12.218	133+06.67	5.844		703.708		0.060		703.648															1.508
B3	STRINGERG	22.635	133+06.60		703.708			0.060		703.648															1.508
B3	GDR5	33	133+06.54	5.880		703.288		0.051		703.237					G	0.2050	0.00	703.692	2.916	1.5521	702.140			1.508	
B4	GDR1	-48.667	134+32.93																						
B4	STRINGERA	-38.432	134+33.00		705.518			-0.304		705.822															1.107
B4	GDR2	-28.249	134+33.06	6.240		705.514		-0.297		705.811		0.054	0.020	2.028	A	0.2065	0.00	706.267	3.198	1.5521	704.715			1.511	
B4	STRINGERC	-18.015	134+33.13		705.514			-0.297		705.811					C	0.2075	0.00	705.852	3.162	1.5521	704.300			1.513	
B4	GDR3	-7.832	134+33.20	6.216		705.109		-0.286		705.395															1.513
B4	STRINGERE	2.402	134+33.26		705.109			-0.286		705.395					E	0.2100	0.00	705.434	3.132	1.5521	703.882			1.515	
B4	GDR4	12.584	134+33.33	6.216		704.702		-0.272		704.974															1.515
B4	STRINGERG	22.818	134+33.40		704.702			-0.272		704.974															1.515
B4	GDR5	33	134+33.46	6.216		704.294		-0.255		704.549					G	0.2120	0.00	705.011	3.108	1.5521	703.459			1.515	
B5	GDR1	-45.728	136+87.04																						
B5	STRINGERA	-35.782	136+86.98		706.538			-0.115		706.653															1.277
B5	GDR2	-26.047	136+86.92	5.676		706.366		-0.120		706.486		0.849	0.874	1.978	A	0.1925	0.00	706.929	2.706	1.5521	705.376			1.501	
B5	STRINGERC	-16.124	136+86.85		706.366			-0.120		706.486					C	0.1954	0.00	706.537	2.696	1.5521	704.985			1.501	
B5	GDR3	-6.365	136+86.79	5.700		705.971		-0.121		706.092															1.503
B5	STRINGERE	3.536	136+86.73		705.971			-0.121		706.092					E	0.1988	0.00	706.141	2.715	1.5521	704.589			1.504	
B5	GDR4	13.317	136+86.66	5.748		705.573		-0.119		705.692															1.504
B5	STRINGERG	23.196	136+86.60		705.573			-0.119		705.692															1.504
B5	GDR5	33	136+86.54	5.808		705.175		-0.114		705.289					G	0.2007	0.00	705.740	2.751	1.5521	704.188			1.504	
B6	GDR1	-45	138+12.96																						
B6	STRINGERA	-35.145	138+13.02		705.946			-0.061		706.007															1.310
B6	GDR2	-25.5	138+13.09	6.384		705.742		-0.068		705.810		1.010	1.046	1.965	A	0.1895	0.00	706.250	3.426	1.5521	704.697			1.495	
B6	STRINGERC	-15.667	138+13.15		705.742			-0.068		705.810					C	0.1899	0.00	705.867	3.374	1.5521	704.315			1.497	
B6	GDR3	-6	138+13.21	6.324		705.356		-0.071		705.427															1.497
B6	STRINGERE	3.81	138+13.27		705.356			-0.071		705.427					E	0.1923	0.00	705.482	3.320	1.5521	703.930			1.498	
B6	GDR4	13.5	138+13.34	6.288		704.968		-0.072		705.040															1.498
B6	STRINGERG	23.287	138+13.40		704.968			-0.072		705.040															1.498
B6	GDR5	33	138+13.46	6.288		704.578		-0.072		704.650					G	0.1943	0.00	705.094	3.285	1.5521	703.542			1.498	



<u>Delta Diaphragm - Type B</u>				<u>Girder Haunch</u>	<u>Final</u>	<u>Final</u>			<u>No Load</u>	<u>No Load</u>	<u>(SW<sub>c</sub>) No Load</u>	<u>(SW<sub>f</sub>) Final</u>	<u>(SS<sub>c</sub>)</u>				<u>Distance</u>			<u>Dist from</u>	
<u>Label</u>	<u>Group</u>	<u>Offset</u>	<u>Station</u>	<u>(Bottom of Slab</u>	<u>Girder Web</u>	<u>Girder Web</u>	<u>Final Dead</u>	<u>Final Dead</u>	<u>Top of</u>	<u>Top of</u>	<u>Top of</u>	<u>Top of</u>	<u>Slope of</u>	<u>Str.</u>	<u>A<sub>@str</sub></u>	<u>FB moved</u>	<u>Top of</u>	<u>Stringer</u>	<u>Depth of</u>	<u>Elev. Top of</u>	<u>Bott. of Left</u>
				<u>to Top of Web)</u>	<u>Elev.</u>	<u>Elev.</u>	<u>Load Defl.</u>	<u>Load Defl.</u>	<u>Girder Web</u>	<u>Girder Web</u>	<u>Girder Web</u>	<u>Girder Web</u>	<u>Stringer</u>		<u>(ft)</u>	<u>Stringer</u>	<u>Stringer</u>	<u>Stringer</u>	<u>Diaphragm</u>	<u>to Top of Diaph.</u>	
				<u>(in)</u>	<u>(Left)</u>	<u>(Right)</u>	<u>Left Girder</u>	<u>Right Girder</u>	<u>(Left)</u>	<u>(Right)</u>			<u>line</u>			<u>(ft)</u>	<u>Elev.</u>	<u>Haunch</u>	<u>(ft)</u>	<u>(ft)</u>	<u>(ft)</u>
											<u>G1-G2 (%)</u>	<u>G1-G2 (%)</u>	<u>G1-G2 (%)</u>								
B11	GDR4	10.18	147+66.69	4.849		700.284		-0.096		700.380				E	0.2555	0.00	700.885	1.867	1.5521	699.333	
B11	STRINGERG	21.549	147+66.62		700.284			-0.096	700.380												1.553
B11	GDR5	33	147+66.54	4.855		699.780		-0.095		699.875				G	0.2532	0.00	700.378	1.853	1.5521	698.826	
B12	GDR1	-62.145	148+92.14			702.031		-0.106	702.137												1.642
B12	STRINGERA	-50.435	148+92.35		702.031			-0.106	702.137												
B12	GDR2	-38.93	148+92.55	5.462		701.264		-0.113	701.377	701.377	3.276	3.306	3.655	A	0.4205	0.00	702.047	2.503	1.5521	700.495	
B12	STRINGERC	-26.936	148+92.76		701.264			-0.113	701.377												1.737
B12	GDR3	-15.322	148+92.97	5.250		700.409		-0.111	700.520	700.520				C	0.4213	0.00	701.191	2.343	1.5521	699.639	
B12	STRINGERE	-3.078	148+93.19		700.409			-0.111	700.520												1.751
B12	GDR4	8.661	148+93.40	5.072		699.536		-0.105	699.641	699.641				E	0.4303	0.00	700.321	2.128	1.5521	698.769	
B12	STRINGERG	20.996	148+93.63		699.536			-0.105	699.641												1.758
B12	GDR5	33	148+93.85	4.872		698.649		-0.092	698.741	698.741				G	0.4441	0.00	699.435	1.895	1.5521	697.883	
B13	GDR1	-69.987	150+87.84			701.613		-0.257	701.870												1.742
B13	STRINGERA	-57.277	150+87.84		701.613			-0.257	701.870												
B13	GDR2	-44.664	150+87.84	5.096		700.668		-0.257	700.925	700.925	3.732	3.732	4.004	A	0.5050	0.00	701.680	2.096	1.5521	700.128	
B13	STRINGERC	-31.798	150+87.84		700.668			-0.257	700.925												1.819
B13	GDR3	-19.049	150+87.84	5.120		699.642		-0.253	699.895	699.895				C	0.5126	0.00	700.658	2.088	1.5521	699.106	
B13	STRINGERE	-6.037	150+87.84		699.642			-0.253	699.895												1.826
B13	GDR4	6.843	150+87.84	5.144		698.604		-0.248	698.852	698.852				E	0.5188	0.00	699.621	2.098	1.5521	698.069	
B13	STRINGERG	19.993	150+87.84		698.604			-0.248	698.852												1.837
B13	GDR5	33	150+87.84	5.180		697.555		-0.233	697.788	697.788				G	0.5291	0.00	698.567	2.071	1.5521	697.015	
B14_c	GDR3	-19.15	150+93.53			699.609		-0.220	699.829												1.815
B14_c	STRINGERE	-6.099	150+93.64		699.609			-0.220	699.829												
B14_c	GDR4	6.791	150+93.75	5.144		698.577		-0.233	698.810	698.810				E	0.5063	0.00	699.566	2.260	1.5521	698.014	
B14_b	GDR2	-44.971	150+99.11			700.621		-0.217	700.838												1.822
B14_b	STRINGERC	-32.045	150+99.33		700.621			-0.217	700.838												
B14_b	GDR3	-19.257	150+99.55	5.216		699.584		-0.220	699.804	699.804				C	0.5142	0.00	700.568	2.189	1.5521	699.016	
B14_a	GDR1	-70.609	151+04.57			701.554		-0.210	701.764												1.746
B14_a	STRINGERA	-57.84	151+04.90		701.554			-0.210	701.764												
B14_a	GDR2	-45.137	151+05.23	5.132		700.597		-0.217	700.814	700.814	3.730	3.757	3.987	A	0.5065	0.00	701.571	2.174	1.5521	700.018	
B15_a	GDR4	5.732	152+22.09			698.002		0.026	697.976												1.865
B15_a	STRINGERG	19.397	152+22.19		698.002			0.026	697.976												
B15_a	GDR5	33	152+22.30	4.772		696.917		0.065	696.852	696.852				G	0.5607	0.00	697.663	1.571	1.5521	696.111	
B15_b	GDR3	-21.401	152+26.90			699.059		0.001	699.058												1.858
B15_b	STRINGERE	-7.79	152+27.12		699.059			0.001	699.058												
B15_b	GDR4	5.691	152+27.34	4.844		697.978		0.026	697.952	697.952				E	0.5503	0.00	698.752	1.720	1.5521	697.200	
B15_c	GDR2	-48.39	152+31.62			700.114		0.011	700.103												1.840
B15_c	STRINGERC	-34.857	152+31.94		700.114			0.011	700.103												
B15_c	GDR3	-21.487	152+32.26	4.904		699.035		0.001	699.034	699.034				C	0.5313	0.00	699.815	1.973	1.5521	698.263	
B16	GDR1	-75.228	152+36.23			701.093		0.030	701.063												1.764
B16	STRINGERA	-61.795	152+36.66		701.093			0.030	701.063												
B16	GDR2	-48.524	152+37.09	4.904		700.093		0.020	700.073	700.073	3.707	3.745	3.979	A	0.5280	0.00	700.851	1.964	1.5521	699.299	
B16	STRINGERC	-34.983	152+37.53		700.093			0.020	700.073												1.850
B16	GDR3	-21.577	152+37.97	4.844		699.015		0.033	698.982	698.982				C	0.5428	0.00	699.775	1.799	1.5521	698.223	
B16	STRINGERE	-7.933	152+38.42		699.015			0.033	698.982												1.862
B16	GDR4	5.601	152+38.87	4.772		697.930		0.064	697.866	697.866				E	0.5557	0.00	698.672	1.619	1.5521	697.120	
B16	STRINGERG	19.341	152+39.32		697.930			0.064	697.866												1.875
B16	GDR5	33	152+39.79	4.688		696.836		0.113	696.723	696.723				G	0.5698	0.00	697.543	1.438	1.5521	695.991	



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For **Cleveland Innerbelt - Unit 2**  
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**Delta Diaphragm - Type B**

Assumed Girder flange height = 2 in

Label	Group	Offset	Station	Dist from	Depth of	Dist from	Dist from	Proposed	Proposed	Diaph %	Diaph %	2" clr	2" clr	Clear below	Clear below
				<u>Bott. of Right</u> <u>Girder Top Flg</u> <u>to Top of Diaph.</u> <u>(ft)</u>	<u>Diaphragm</u> <u>(ft)</u>	<u>Bott. Of Diaph.</u> <u>to top of bott.</u> <u>Flange - Left</u> <u>Girder (ft)</u>	<u>Bott. Of Diaph.</u> <u>to top of bott.</u> <u>Flange - Right</u> <u>Girder (ft)</u>	<u>knee brace</u> <u>height</u> <u>Left (ft)</u>	<u>knee brace</u> <u>height</u> <u>Right (ft)</u>	<u>of Girder</u> <u>Depth</u> <u>Left</u>	<u>of Girder</u> <u>Depth</u> <u>Right</u>	<u>Room for</u> <u>Proposed</u> <u>knee brace?</u> <u>Left</u>	<u>Room for</u> <u>Proposed</u> <u>knee brace?</u> <u>Right</u>	<u>knee brace</u> <u>Left</u> <u>(in)</u>	<u>knee brace</u> <u>Right</u> <u>(in)</u>
B1	GDR1	-53	129+42.09												
B1	STRINGERA	-42.729	129+42.02		5.1458	8.960		6.5		0.74		OK		29.51	
B1	GDR2	-32.509	129+41.96	1.092	5.1458		9.081	6.5	6.5	0.74	0.74	OK	OK	25.70	30.97
B1	STRINGERC	-21.565	129+41.89		5.1458	8.642		6.5		0.74		OK		25.70	
B1	GDR3	-10.674	129+41.82	1.075	5.1458		9.098	6.5	6.5	0.74	0.74	OK	OK	25.65	31.17
B1	STRINGERE	0.271	129+41.75		5.1458	8.638		6.5		0.74		OK		25.65	
B1	GDR4	11.163	129+41.68	1.071	5.1458		9.102	6.5	6.5	0.74	0.74	OK	OK	25.61	31.22
B1	STRINGERG	22.108	129+41.61		5.1458	8.634		6.5		0.74		OK		25.61	
B1	GDR5	33	129+41.54	1.067	5.1458		9.105	6.5	6.5	0.74	0.74	OK	OK	25.61	31.26
B2	GDR1	-52.89	130+67.91												
B2	STRINGERA	-42.063	130+67.98		5.1458	9.003		6.5		0.74		OK		30.03	
B2	GDR2	-31.416	130+68.05	1.105	5.1458		9.067	6.5	6.5	0.74	0.74	OK	OK	26.02	30.80
B2	STRINGERC	-20.654	130+68.12		5.1458	8.669		6.5		0.74		OK		26.02	
B2	GDR3	-9.943	130+68.19	1.102	5.1458		9.071	6.5	6.5	0.74	0.74	OK	OK	26.01	30.85
B2	STRINGERE	0.818	130+68.25		5.1458	8.667		6.5		0.74		OK		26.01	
B2	GDR4	11.529	130+68.32	1.100	5.1458		9.072	6.5	6.5	0.74	0.74	OK	OK	25.98	30.87
B2	STRINGERG	22.29	130+68.39		5.1458	8.665		6.5		0.74		OK		25.98	
B2	GDR5	33	130+68.46	1.098	5.1458		9.074	6.5	6.5	0.74	0.74	OK	OK	25.98	30.89
B3	GDR1	-50.123	133+07.07												
B3	STRINGERA	-39.707	133+07.01		5.1458	9.160		6.5		0.74		OK		31.92	
B3	GDR2	-29.344	133+06.94	1.105	5.1458		9.068	6.5	6.5	0.74	0.74	OK	OK	26.04	30.81
B3	STRINGERC	-18.928	133+06.87		5.1458	8.670		6.5		0.74		OK		26.04	
B3	GDR3	-8.563	133+06.81	1.103	5.1458		9.070	6.5	6.5	0.74	0.74	OK	OK	25.99	30.84
B3	STRINGERE	1.853	133+06.74		5.1458	8.666		6.5		0.74		OK		25.99	
B3	GDR4	12.218	133+06.67	1.099	5.1458		9.074	6.5	6.5	0.74	0.74	OK	OK	25.97	30.88
B3	STRINGERG	22.635	133+06.60		5.1458	8.664		6.5		0.74		OK		25.97	
B3	GDR5	33	133+06.54	1.097	5.1458		9.075	6.5	6.5	0.74	0.74	OK	OK	25.97	30.90
B4	GDR1	-48.667	134+32.93												
B4	STRINGERA	-38.432	134+33.00		5.1458	9.066		6.5		0.74		OK		30.79	
B4	GDR2	-28.249	134+33.06	1.096	5.1458		9.077	6.5	6.5	0.74	0.74	OK	OK	25.94	30.92
B4	STRINGERC	-18.015	134+33.13		5.1458	8.662		6.5		0.74		OK		25.94	
B4	GDR3	-7.832	134+33.20	1.095	5.1458		9.078	6.5	6.5	0.74	0.74	OK	OK	25.91	30.93
B4	STRINGERE	2.402	134+33.26		5.1458	8.659		6.5		0.74		OK		25.91	
B4	GDR4	12.584	134+33.33	1.092	5.1458		9.080	6.5	6.5	0.74	0.74	OK	OK	25.88	30.96
B4	STRINGERG	22.818	134+33.40		5.1458	8.657		6.5		0.74		OK		25.88	
B4	GDR5	33	134+33.46	1.090	5.1458		9.082	6.5	6.5	0.74	0.74	OK	OK	25.88	30.98
B5	GDR1	-45.728	136+87.04												
B5	STRINGERA	-35.782	136+86.98		5.1458	8.896		6.5		0.74		OK		28.75	
B5	GDR2	-26.047	136+86.92	1.110	5.1458		9.063	6.5	6.5	0.74	0.74	OK	OK	26.06	30.75
B5	STRINGERC	-16.124	136+86.85		5.1458	8.671		6.5		0.74		OK		26.06	
B5	GDR3	-6.365	136+86.79	1.107	5.1458		9.065	6.5	6.5	0.74	0.74	OK	OK	26.03	30.79
B5	STRINGERE	3.536	136+86.73		5.1458	8.669		6.5		0.74		OK		26.03	
B5	GDR4	13.317	136+86.66	1.103	5.1458		9.069	6.5	6.5	0.74	0.74	OK	OK	26.01	30.83
B5	STRINGERG	23.196	136+86.60		5.1458	8.668		6.5		0.74		OK		26.01	
B5	GDR5	33	136+86.54	1.101	5.1458		9.071	6.5	6.5	0.74	0.74	OK	OK	26.01	30.85
B6	GDR1	-45	138+12.96												
B6	STRINGERA	-35.145	138+13.02		5.1458	8.863		6.5		0.74		OK		28.35	
B6	GDR2	-25.5	138+13.09	1.113	5.1458		9.060	6.5	6.5	0.74	0.74	OK	OK	26.12	30.72
B6	STRINGERC	-15.667	138+13.15		5.1458	8.677		6.5		0.74		OK		26.12	
B6	GDR3	-6	138+13.21	1.112	5.1458		9.060	6.5	6.5	0.74	0.74	OK	OK	26.10	30.72
B6	STRINGERE	3.81	138+13.27		5.1458	8.675		6.5		0.74		OK		26.10	
B6	GDR4	13.5	138+13.34	1.110	5.1458		9.062	6.5	6.5	0.74	0.74	OK	OK	26.09	30.75
B6	STRINGERG	23.287	138+13.40		5.1458	8.674		6.5		0.74		OK		26.09	
B6	GDR5	33	138+13.46	1.108	5.1458		9.064	6.5	6.5	0.74	0.74	OK	OK	26.09	30.77

<b>Delta Diaphragm - Type B</b>				<u>Dist from</u>	<u>Dist from</u>	<u>Dist from</u>	<u>Proposed</u>	<u>Proposed</u>	<u>Diaph %</u>	<u>Diaph %</u>	<u>2" clr</u>	<u>2" clr</u>	<u>Clear below</u>	<u>Clear below</u>	
<u>Label</u>	<u>Group</u>	<u>Offset</u>	<u>Station</u>	<u>Bott. of Right</u>	<u>Depth of</u>	<u>Bott. Of Diaph.</u>	<u>Bott. Of Diaph.</u>	<u>knee brace</u>	<u>knee brace</u>	<u>of Girder</u>	<u>of Girder</u>	<u>Room for</u>	<u>Room for</u>	<u>knee brace</u>	<u>knee brace</u>
				<u>to Top of Diaph.</u>	<u>Diaphragm</u>	<u>to top of bott.</u>	<u>to top of bott.</u>	<u>height</u>	<u>height</u>	<u>Depth</u>	<u>Depth</u>	<u>Proposed</u>	<u>Proposed</u>	<u>Left</u>	<u>Right</u>
				<u>(ft)</u>	<u>(ft)</u>	<u>Flange - Left</u>	<u>Flange - Right</u>	<u>Left (ft)</u>	<u>Right (ft)</u>	<u>Left</u>	<u>Right</u>	<u>knee brace?</u>	<u>knee brace?</u>	<u>(in)</u>	<u>(in)</u>
						<u>Girder (ft)</u>	<u>Girder (ft)</u>					<u>Left</u>	<u>Right</u>		
B Sign	GDR1	-46.159	140+44.13												
B_sign	STRINGERA	-36.139	140+44.10		5.1458	4.460		3		0.73		OK		17.52	
B Sign	GDR2	-26.12	140+44.08	1.102	5.1458		4.631		3.667	0.73	0.79	OK	OK		11.57
B_sign	STRINGERC	-16.177	140+44.05		5.1458	4.232		3		0.73		OK		14.78	
B sign	GDR3	-6.235	140+44.02	1.103	5.1458		4.630		3.667	0.73	0.79	OK	OK		11.56
B_sign	STRINGERE	3.724	140+44.00		5.1458	4.229		3		0.73		OK		14.75	
B sign	GDR4	13.682	140+43.97	1.100	5.1458		4.633		3.667	0.73	0.79	OK	OK		11.59
B_sign	STRINGERG	23.357	140+43.94		5.1458	4.233		3		0.73		OK		14.80	
B sign	GDR5	33	140+43.92	1.105	5.1458		4.628		3.667	0.73	0.79	OK	OK		11.54
B Sign	GDR1	-46.277	140+50.68												
B Sign	STRINGERA	-36.237	140+50.66		5.1458	4.957		3		0.66		OK		23.49	
B Sign	GDR2	-26.197	140+50.64	1.685	5.1458		5.126		3.667	0.66	0.72	OK	OK		17.51
B Sign	GDR4	13.664	140+50.56												
B Sign	STRINGERG	23.351	140+50.54		5.1458	4.817		3		0.66		OK		21.80	
B Sign	GDR5	33	140+50.52	1.611	5.1458		5.200		3.667	0.66	0.72	OK	OK		18.40
B7	GDR1	-46.584	140+66.77												
B7	STRINGERA	-36.496	140+66.77		5.1458	8.911		6.5		0.74		OK		28.93	
B7	GDR2	-26.407	140+66.76	1.101	5.1458		9.072		6.5	0.74	0.74	OK	OK		30.86
B7	STRINGERC	-16.416	140+66.76		5.1458	8.669		6.5		0.74		OK		26.03	
B7	GDR3	-6.425	140+66.76	1.101	5.1458		9.071		6.5	0.74	0.74	OK	OK		30.85
B7	STRINGERE	3.588	140+66.75		5.1458	8.669		6.5		0.74		OK		26.02	
B7	GDR4	13.601	140+66.75	1.101	5.1458		9.072		6.5	0.74	0.74	OK	OK		30.86
B7	STRINGERG	23.317	140+66.75		5.1458	8.671		6.5		0.74		OK		26.05	
B7	GDR5	33	140+66.74	1.103	5.1458		9.069		6.5	0.74	0.74	OK	OK		30.82
B8	GDR1	-49.114	141+93.24												
B8	STRINGERA	-38.642	141+93.24		5.1458	8.966		6.5		0.74		OK		29.59	
B8	GDR2	-28.171	141+93.24	1.094	5.1458		9.078		6.5	0.74	0.74	OK	OK		30.94
B8	STRINGERC	-17.906	141+93.24		5.1458	8.667		6.5		0.74		OK		26.00	
B8	GDR3	-7.641	141+93.24	1.099	5.1458		9.074		6.5	0.74	0.74	OK	OK		30.88
B8	STRINGERE	2.671	141+93.25		5.1458	8.663		6.5		0.74		OK		25.96	
B8	GDR4	12.983	141+93.25	1.095	5.1458		9.077		6.5	0.74	0.74	OK	OK		30.92
B8	STRINGERG	22.991	141+93.25		5.1458	8.668		6.5		0.74		OK		26.02	
B8	GDR5	33	141+93.25	1.100	5.1458		9.072		6.5	0.74	0.74	OK	OK		30.87
B9	GDR1	-53.584	144+16.76												
B9	STRINGERA	-42.418	144+16.76		5.1458	8.953		6.5		0.74		OK		29.43	
B9	GDR2	-31.289	144+16.76	1.078	5.1458		9.095		6.5	0.74	0.74	OK	OK		31.13
B9	STRINGERC	-20.54	144+16.76		5.1458	8.655		6.5		0.74		OK		25.86	
B9	GDR3	-9.791	144+16.75	1.087	5.1458		9.085		6.5	0.74	0.74	OK	OK		31.02
B9	STRINGERE	1.05	144+16.75		5.1458	8.652		6.5		0.74		OK		25.82	
B9	GDR4	11.89	144+16.75	1.084	5.1458		9.088		6.5	0.74	0.74	OK	OK		31.06
B9	STRINGERG	22.445	144+16.75		5.1458	8.656		6.5		0.74		OK		25.87	
B9	GDR5	33	144+16.75	1.088	5.1458		9.085		6.5	0.74	0.74	OK	OK		31.01
B10	GDR1	-55.643	145+43.24												
B10	STRINGERA	-44.354	145+43.24		5.1458	8.924		6.5		0.74		OK		29.09	
B10	GDR2	-33.053	145+43.24	1.076	5.1458		9.097		6.5	0.74	0.74	OK	OK		31.16
B10	STRINGERC	-22.03	145+43.25		5.1458	8.651		6.5		0.74		OK		25.81	
B10	GDR3	-11.008	145+43.25	1.083	5.1458		9.090		6.5	0.74	0.74	OK	OK		31.08
B10	STRINGERE	0.132	145+43.25		5.1458	8.647		6.5		0.74		OK		25.76	
B10	GDR4	11.272	145+43.25	1.079	5.1458		9.093		6.5	0.74	0.74	OK	OK		31.12
B10	STRINGERG	22.136	145+43.25		5.1458	8.650		6.5		0.74		OK		25.80	
B10	GDR5	33	145+43.25	1.082	5.1458		9.090		6.5	0.74	0.74	OK	OK		31.08
B11	GDR1	-59.125	147+67.14												
B11	STRINGERA	-47.649	147+67.06		5.1458	8.844		6.5		0.74		OK		28.13	
B11	GDR2	-36.174	147+66.99	1.055	5.1458		9.118		6.5	0.74	0.74	OK	OK		31.41
B11	STRINGERC	-24.666	147+66.92		5.1458	8.620		6.5		0.74		OK		25.44	
B11	GDR3	-13.159	147+66.84	1.052	5.1458		9.120		6.5	0.74	0.74	OK	OK		31.44
B11	STRINGERE	-1.489	147+66.76		5.1458	8.615		6.5		0.74		OK		25.37	

**Delta Diaphragm - Type B**

Label	Group	Offset	Station	Dist from	Depth of	Dist from	Dist from	Proposed	Proposed	Diaph %	Diaph %	2" clr	2" clr	Clear below	Clear below
				Bott. of Right Girder Top Flg to Top of Diaph. (ft)	Diaphragm (ft)	Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)	Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)	knee brace height Left (ft)	knee brace height Right (ft)	of Girder Depth Left	of Girder Depth Right	Room for Proposed knee brace?	Room for Proposed knee brace?	Left (in)	Right (in)
B11	GDR4	10.18	147+66.69	1.047	5.1458										
B11	STRINGERG	21.549	147+66.62		5.1458	8.619		6.5	6.5	0.74	0.74	OK	OK	25.42	31.51
B11	GDR5	33	147+66.54	1.049	5.1458		9.123		6.5		0.74		OK		31.48
B12	GDR1	-62.145	148+92.14												
B12	STRINGERA	-50.435	148+92.35		5.1458	8.530		6.5	6.5	0.74	0.74	OK	OK	24.36	33.49
B12	GDR2	-38.93	148+92.55	0.882	5.1458		9.291		6.5		0.74		OK		33.50
B12	STRINGERC	-26.936	148+92.76		5.1458	8.435		6.5	6.5	0.74	0.74	OK	OK	23.22	33.50
B12	GDR3	-15.322	148+92.97	0.881	5.1458		9.291		6.5		0.74		OK		33.60
B12	STRINGERE	-3.078	148+93.19		5.1458	8.421		6.5	6.5	0.74	0.74	OK	OK	23.05	33.60
B12	GDR4	8.661	148+93.40	0.872	5.1458		9.300		6.5		0.74		OK		33.77
B12	STRINGERG	20.996	148+93.63		5.1458	8.414		6.5	6.5	0.74	0.74	OK	OK	22.97	33.77
B12	GDR5	33	148+93.85	0.858	5.1458		9.314		6.5		0.74		OK		
B13	GDR1	-69.987	150+87.84												
B13	STRINGERA	-57.277	150+87.84		5.1458	3.770		3	3.667	0.74	0.74	OK	OK	9.24	23.50
B13	GDR2	-44.664	150+87.84	0.797	5.1458		5.625		3.667		0.74		OK		20.18
B13	STRINGERC	-31.798	150+87.84		5.1458	4.603		5	5	0.78	0.78	OK	OK	11.23	20.18
B13	GDR3	-19.049	150+87.84	0.789	5.1458		6.682		5		0.78		OK		16.45
B13	STRINGERE	-6.037	150+87.84		5.1458	5.645		6.5	6.5	0.82	0.82	OK	OK	7.74	16.45
B13	GDR4	6.843	150+87.84	0.783	5.1458		7.871		6.5		0.82		OK		32.50
B13	STRINGERG	19.993	150+87.84		5.1458	6.817		6.5	6.5	0.82	0.75	OK	OK	3.81	32.50
B13	GDR5	33	150+87.84	0.773	5.1458		9.208		6.5		0.75		OK		
B14_c	GDR3	-19.15	150+93.53												
B14_c	STRINGERE	-6.099	150+93.64		5.1458	6.821		5	6.5	0.72	0.75	OK	OK	21.86	32.21
B14_c	GDR4	6.791	150+93.75	0.796	5.1458		9.184		6.5		0.75		OK		
B14_b	GDR2	-44.971	150+99.11												
B14_b	STRINGERC	-32.045	150+99.33		5.1458	6.768		5	6.5	0.72	0.75	OK	OK	21.22	32.51
B14_b	GDR3	-19.257	150+99.55	0.788	5.1458		9.209		6.5		0.75		OK		
B14_a	GDR1	-70.609	151+04.57												
B14_a	STRINGERA	-57.84	151+04.90		5.1458	6.812		5	6.5	0.72	0.75	OK	OK	21.74	32.23
B14_a	GDR2	-45.137	151+05.23	0.796	5.1458		9.186		6.5		0.75		OK		
B15_a	GDR4	5.732	152+22.09												
B15_a	STRINGERG	19.397	152+22.19		5.1458	8.117		6.5	6.5	0.75	0.81	OK	OK	19.40	19.05
B15_a	GDR5	33	152+22.30	0.741	5.1458		8.088		6.5		0.81		OK		
B15_b	GDR3	-21.401	152+26.90												
B15_b	STRINGERE	-7.79	152+27.12		5.1458	8.124		6.5	6.5	0.75	0.82	OK	OK	19.49	18.55
B15_b	GDR4	5.691	152+27.34	0.752	5.1458		8.045		6.5		0.82		OK		
B15_c	GDR2	-48.39	152+31.62												
B15_c	STRINGERC	-34.857	152+31.94		5.1458	8.142		6.5	6.5	0.75	0.82	OK	OK	19.71	17.94
B15_c	GDR3	-21.487	152+32.26	0.771	5.1458		7.995		6.5		0.82		OK		
B16	GDR1	-75.228	152+36.23												
B16	STRINGERA	-61.795	152+36.66		5.1458	8.218		6.5	6.5	0.75	0.82	OK	OK	20.62	17.50
B16	GDR2	-48.524	152+37.09	0.774	5.1458		7.958		6.5		0.82		OK		22.03
B16	STRINGERC	-34.983	152+37.53		5.1458	6.882		6.5	5	0.82	0.78	OK	OK	4.58	22.03
B16	GDR3	-21.577	152+37.97	0.759	5.1458		6.836		5		0.78		OK		25.89
B16	STRINGERE	-7.933	152+38.42		5.1458	5.733		6.5	3.667	0.78	0.73	OK	OK	8.79	25.89
B16	GDR4	5.601	152+38.87	0.746	5.1458		5.825		3.667		0.73		OK		23.18
B16	STRINGERG	19.341	152+39.32		5.1458	4.696		3.667	3	0.73	0.73	OK	OK	12.35	23.18
B16	GDR5	33	152+39.79	0.732	5.1458		4.932		3		0.73		OK		



<b>HNTB</b> The HNTB Companies	Made	<b>SJL</b>	Date	<b>6/5/2012</b>	Job Number	<b>49633</b>
	Checked	<b>DJG</b>	Date	<b>6/13/2012</b>		
	For	<b>Cleveland Innerbelt - Unit 2</b>	Backchk'd	<b>SJL</b>	Date	<b>6/18/2012</b>

\\kcow00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check\All\_diaphragms\_geometry\_2012-5-22.xlsm]Type C

**2-Stringer Standard Diaphragm - Type C**

Label	Group	Offset	Station	Top of Deck		Dist btwn Points (ft)	Elev Diff btwn Girders (in)	Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD) <sub>F</sub> Final Deck Cross-slope G2-G5 (%)	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (in)
				Elevation	Elev Diff btwn Points (ft)								Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)				
C1	GDR1	-85.642	156+09.61	700.887															
C1	STRINGERA	-75.746	156+09.61	700.561	0.326	3.91	G1-SA	9.896	10.596			1.2500	0.000	-0.040		1.290		0.7500	6.480
C1	STRINGERB	-65.91	156+09.61	700.167	0.394	4.73	SA-SB	9.836			4.01	1.2500	0.000				0.7500		
C1	GDR2	-56.127	156+09.61	699.776	0.391	4.69	SB-G2	9.783		9.758	4.00	1.2500	0.000			1.296	0.7500		
C1	STRINGERC	-46.198	156+09.61	699.379	0.397	4.76	G2-SC	9.929	9.758		4.00	1.2500	0.000	-0.046		1.296	0.7500	6.552	
C1	STRINGERD	-36.329	156+09.61	698.984	0.395	4.74	SC-SD	9.869			4.00	1.2500	0.000				0.7500		
C1	GDR3	-26.512	156+09.61	698.592	0.392	4.70	SD-G3	9.817		9.500	3.99	1.2500	0.000			1.302	0.7500		
C1	STRINGERE	-16.549	156+09.61	698.193	0.399	4.79	G3-SE	9.963	9.500		4.00	1.2500	0.000	-0.052		1.302	0.7500	6.624	
C1	STRINGERF	-6.647	156+09.61	697.797	0.396	4.75	SE-SF	9.902			4.00	1.2500	0.000				0.7500		
C1	GDR4	3.198	156+09.61	697.403	0.394	4.73	SF-G4	9.845		9.500	4.00	1.2500	0.000			1.304	0.7500		
C1	STRINGERG	13.199	156+09.61	697.003	0.400	4.80	G4-SG	10.001	9.500		4.00	1.2500	0.000	-0.054		1.304	0.7500	6.648	
C1	STRINGERH	23.131	156+09.61	696.606	0.397	4.76	SG-SH	9.932			4.00	1.2500	0.000				0.7500		
C1	GDR5	32.999	156+09.61	696.211	0.395	4.74	SH-G5	9.868		9.500	4.00	1.2500	0.000			1.301	0.7500		
C2	GDR1	-86.175	156+33.72	700.787															
C2	STRINGERA	-76.21	156+33.72	700.459	0.328	3.94	G1-SA	9.965	9.500			1.2500	0.000	-0.046		1.296	0.7500	6.552	
C2	STRINGERB	-66.323	156+33.72	700.063	0.396	4.75	SA-SB	9.887			4.01	1.2500	0.000				0.7500		
C2	GDR2	-56.517	156+33.72	699.671	0.392	4.70	SB-G2	9.806		9.500	4.00	1.2500	0.000			1.301	0.7500		
C2	STRINGERC	-46.525	156+33.72	699.272	0.399	4.79	G2-SC	9.992	9.500		3.99	1.2500	0.000	-0.051		1.301	0.7500	6.612	
C2	STRINGERD	-36.608	156+33.72	698.875	0.397	4.76	SC-SD	9.917			4.00	1.2500	0.000				0.7500		
C2	GDR3	-26.766	156+33.72	698.481	0.394	4.73	SD-G3	9.842		9.500	4.00	1.2500	0.000			1.305	0.7500		
C2	STRINGERE	-16.748	156+33.72	698.08	0.401	4.81	G3-SE	10.018	9.500		4.00	1.2500	0.000	-0.055		1.305	0.7500	6.660	
C2	STRINGERF	-6.8	156+33.72	697.683	0.397	4.76	SE-SF	9.948			3.99	1.2500	0.000				0.7500		
C2	GDR4	3.074	156+33.72	697.288	0.395	4.74	SF-G4	9.874		9.500	4.00	1.2500	0.000			1.306	0.7500		
C2	STRINGERG	13.098	156+33.72	696.887	0.401	4.81	G4-SG	10.024	9.500		4.00	1.2500	0.000	-0.056		1.306	0.7500	6.672	
C2	STRINGERH	23.075	156+33.72	696.488	0.399	4.79	SG-SH	9.977			4.00	1.2500	0.000				0.7500		
C2	GDR5	32.999	156+33.72	696.091	0.397	4.76	SH-G5	9.924		9.500	4.00	1.2500	0.000			1.301	0.7500		
C3	GDR1	-86.687	156+57.63	700.688															
C3	STRINGERA	-76.67	156+57.63	700.358	0.330	3.96	G1-SA	10.017	9.500			1.2500	0.000	-0.050		1.300	0.7500	6.600	
C3	STRINGERB	-66.743	156+57.63	699.961	0.397	4.76	SA-SB	9.927			4.00	1.2500	0.000				0.7500		
C3	GDR2	-56.892	156+57.63	699.567	0.394	4.73	SB-G2	9.851		9.500	4.00	1.2500	0.000			1.304	0.7500		
C3	STRINGERC	-46.846	156+57.63	699.165	0.402	4.82	G2-SC	10.046	9.500		4.00	1.2500	0.000	-0.054		1.304	0.7500	6.648	
C3	STRINGERD	-36.89	156+57.63	698.767	0.398	4.78	SC-SD	9.956			4.00	1.2500	0.000				0.7500		
C3	GDR3	-27.01	156+57.63	698.371	0.396	4.75	SD-G3	9.880		9.500	4.01	1.2500	0.000			1.307	0.7500		
C3	STRINGERE	-16.963	156+57.63	697.969	0.402	4.82	G3-SE	10.047	9.500		4.00	1.2500	0.000	-0.057		1.307	0.7500	6.684	
C3	STRINGERF	-6.977	156+57.63	697.57	0.399	4.79	SE-SF	9.986			4.00	1.2500	0.000				0.7500		
C3	GDR4	2.955	156+57.63	697.173	0.397	4.76	SF-G4	9.932		9.500	4.00	1.2500	0.000			1.305	0.7500		
C3	STRINGERG	13.044	156+57.63	696.769	0.404	4.85	G4-SG	10.089	9.500		4.00	1.2500	0.000	-0.055		1.305	0.7500	6.660	
C3	STRINGERH	23.057	156+57.63	696.369	0.400	4.80	SG-SH	10.013			3.99	1.2500	0.000				0.7500		
C3	GDR5	32.999	156+57.63	695.971	0.398	4.78	SH-G5	9.942		9.500	4.00	1.2500	0.000			1.298	0.7500		
C4	GDR1	-87.182	156+81.53	700.589															
C4	STRINGERA	-77.029	156+81.53	700.253	0.336	4.03	G1-SA	10.153	9.500			1.2500	0.000	-0.051		1.301	0.7500	6.612	
C4	STRINGERB	-67.054	156+81.53	699.854	0.399	4.79	SA-SB	9.975			4.00	1.2500	0.000				0.7500		
C4	GDR2	-57.254	156+81.53	699.462	0.392	4.70	SB-G2	9.800		9.500	4.00	1.2500	0.000			1.304	0.7500		
C4	STRINGERC	-47.082	156+81.53	699.055	0.407	4.88	G2-SC	10.172	9.500		4.00	1.2500	0.000	-0.054		1.304	0.7500	6.648	
C4	STRINGERD	-37.08	156+81.53	698.655	0.400	4.80	SC-SD	10.002			4.00	1.2500	0.000				0.7500		
C4	GDR3	-27.246	156+81.53	698.261	0.394	4.73	SD-G3	9.834		9.500	4.01	1.2500	0.000			1.304	0.7500		
C4	STRINGERE	-17.146	156+81.53	697.857	0.404	4.85	G3-SE	10.100	9.500		4.00	1.2500	0.000	-0.054		1.304	0.7500	6.648	
C4	STRINGERF	-7.116	156+81.53	697.456	0.401	4.81	SE-SF	10.030			4.00	1.2500	0.000				0.7500		
C4	GDR4	2.84	156+81.53	697.058	0.398	4.78	SF-G4	9.956		9.500	4.00	1.2500	0.000			1.300	0.7500		
C4	STRINGERG	12.946	156+81.53	696.654	0.404	4.85	G4-SG	10.106	9.500		4.00	1.2500	0.000	-0.050		1.300	0.7500	6.600	
C4	STRINGERH	23.001	156+81.53	696.251	0.403	4.84	SG-SH	10.055			4.01	1.2500	0.000				0.7500		
C4	GDR5	32.999	156+81.53	695.851	0.400	4.80	SH-G5	9.998		9.500	4.00	1.2500	0.000			1.293	0.7500		

**2-Stringer Standard Diaphragm - Type C**

Label	Group	Offset	Station	Top of Deck			Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>E</sub> Final Deck Cross-slope G2-G5 (%))	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (Left) (in)
				Elevation	Elev Diff btwn Points (ft)	Elev Diff btwn Girders (in)						Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)				
C5	GDR1	-87.66	157+05.43	700.488														
C5	STRINGERA	-77.553	157+05.43	700.154	0.334	4.01	G1-SA	10.107	9.500		1.2500	0.000	-0.050		1.300		0.7500	6.600
C5	STRINGERB	-67.53	157+05.43	699.753	0.401	4.81	SA-SB	10.023		4.00	1.2500	0.000				0.7500		
C5	GDR2	-57.605	157+05.43	699.356	0.397	4.76	SB-G2	9.925		4.00	1.2500	0.000				0.7500		
C5	STRINGERC	-47.483	157+05.43	698.951	0.405	4.86	G2-SC	10.122	9.500		1.2500	0.000	-0.051	-0.051	1.301		0.7500	6.612
C5	STRINGERD	-37.435	157+05.43	698.549	0.402	4.82	SC-SD	10.048		4.00	1.2500	0.000				0.7500		
C5	GDR3	-27.474	157+05.43	698.151	0.398	4.78	SD-G3	9.961		4.00	1.2500	0.000				0.7500		
C5	STRINGERE	-17.346	157+05.43	697.746	0.405	4.86	G3-SE	10.128	9.500		1.2500	0.000	-0.048		1.298		0.7500	6.576
C5	STRINGERF	-7.282	157+05.43	697.343	0.403	4.84	SE-SF	10.064		4.00	1.2500	0.000				0.7500		
C5	GDR4	2.729	157+05.43	696.943	0.400	4.80	SF-G4	10.011		4.00	1.2500	0.000				0.7500		
C5	STRINGERG	12.902	157+05.43	696.536	0.407	4.88	G4-SG	10.173	9.500		1.2500	0.000	-0.043		1.293		0.7500	6.516
C5	STRINGERH	22.99	157+05.43	696.132	0.404	4.85	SG-SH	10.088		4.00	1.2500	0.000				0.7500		
C5	GDR5	32.999	157+05.43	695.732	0.400	4.80	SH-G5	10.009		4.00	1.2500	0.000		-0.036	1.286		0.7500	
C6	GDR1	-88.122	157+29.33	700.387														
C6	STRINGERA	-77.985	157+29.33	700.052	0.335	4.02	G1-SA	10.137	9.500		1.2500	0.000	-0.045		1.295		0.7500	6.540
C6	STRINGERB	-67.928	157+29.33	699.65	0.402	4.82	SA-SB	10.057		4.00	1.2500	0.000				0.7500		
C6	GDR2	-57.942	157+29.33	699.25	0.400	4.80	SB-G2	9.986		4.01	1.2500	0.000				0.7500		
C6	STRINGERC	-47.781	157+29.33	698.844	0.406	4.87	G2-SC	10.161	9.500		1.2500	0.000	-0.043		1.293		0.7500	6.516
C6	STRINGERD	-37.7	157+29.33	698.44	0.404	4.85	SC-SD	10.081		4.01	1.2500	0.000				0.7500		
C6	GDR3	-27.693	157+29.33	698.04	0.400	4.80	SD-G3	10.007		4.00	1.2500	0.000				0.7500		
C6	STRINGERE	-17.515	157+29.33	697.633	0.407	4.88	G3-SE	10.178	9.500		1.2500	0.000	-0.041		1.291		0.7500	6.492
C6	STRINGERF	-7.408	157+29.33	697.229	0.404	4.85	SE-SF	10.107		4.00	1.2500	0.000				0.7500		
C6	GDR4	2.622	157+29.33	696.828	0.401	4.81	SF-G4	10.030		4.00	1.2500	0.000				0.7500		
C6	STRINGERG	12.827	157+29.33	696.419	0.409	4.91	G4-SG	10.205	9.500		1.2500	0.000	-0.034		1.284		0.7500	6.408
C6	STRINGERH	22.955	157+29.33	696.014	0.405	4.86	SG-SH	10.128		4.00	1.2500	0.000				0.7500		
C6	GDR5	32.999	157+29.33	695.612	0.402	4.82	SH-G5	10.044		4.00	1.2500	0.000		-0.026	1.276		0.7500	
C7	GDR1	-88.566	157+53.23	700.286														
C7	STRINGERA	-78.411	157+53.23	699.949	0.337	4.04	G1-SA	10.155	9.500		1.2500	0.000	-0.037		1.287		0.7500	6.444
C7	STRINGERB	-68.308	157+53.23	699.545	0.404	4.85	SA-SB	10.103		4.00	1.2500	0.000				0.7500		
C7	GDR2	-58.267	157+53.23	699.144	0.401	4.81	SB-G2	10.041		3.99	1.2500	0.000				0.7500		
C7	STRINGERC	-48.092	157+53.23	698.737	0.407	4.88	G2-SC	10.175	9.500		1.2500	0.000	-0.034		1.284		0.7500	6.408
C7	STRINGERD	-37.968	157+53.23	698.332	0.405	4.86	SC-SD	10.124		4.00	1.2500	0.000				0.7500		
C7	GDR3	-27.905	157+53.23	697.929	0.403	4.84	SD-G3	10.063		4.00	1.2500	0.000				0.7500		
C7	STRINGERE	-17.696	157+53.23	697.521	0.408	4.90	G3-SE	10.209	9.500		1.2500	0.000	-0.029		1.279		0.7500	6.348
C7	STRINGERF	-7.564	157+53.23	697.116	0.405	4.86	SE-SF	10.132		4.00	1.2500	0.000				0.7500		
C7	GDR4	2.519	157+53.23	696.712	0.404	4.85	SF-G4	10.083		4.01	1.2500	0.000				0.7500		
C7	STRINGERG	12.732	157+53.23	696.304	0.408	4.90	G4-SG	10.213	9.500		1.2500	0.000	-0.023		1.273		0.7500	6.276
C7	STRINGERH	22.884	157+53.23	695.898	0.406	4.87	SG-SH	10.152		4.00	1.2500	0.000				0.7500		
C7	GDR5	32.999	157+53.23	695.493	0.405	4.86	SH-G5	10.115		4.00	1.2500	0.000		-0.015	1.265		0.7500	
C8	GDR1	-88.994	157+77.12	700.183														
C8	STRINGERA	-78.759	157+77.12	699.844	0.339	4.07	G1-SA	10.235	9.500		1.2500	0.000	-0.025		1.275		0.7500	6.300
C8	STRINGERB	-68.634	157+77.12	699.439	0.405	4.86	SA-SB	10.125		4.00	1.2500	0.000				0.7500		
C8	GDR2	-58.58	157+77.12	699.037	0.402	4.82	SB-G2	10.054		4.00	1.2500	0.000				0.7500		
C8	STRINGERC	-48.351	157+77.12	698.628	0.409	4.91	G2-SC	10.229	9.500		1.2500	0.000	-0.021		1.271		0.7500	6.252
C8	STRINGERD	-38.205	157+77.12	698.222	0.406	4.87	SC-SD	10.146		4.00	1.2500	0.000				0.7500		
C8	GDR3	-28.108	157+77.12	697.818	0.404	4.85	SD-G3	10.097		4.00	1.2500	0.000				0.7500		
C8	STRINGERE	-17.823	157+77.12	697.406	0.412	4.94	G3-SE	10.285	9.500		1.2500	0.000	-0.015		1.265		0.7500	6.180
C8	STRINGERF	-7.666	157+77.12	697	0.406	4.87	SE-SF	10.157		4.00	1.2500	0.000				0.7500		
C8	GDR4	2.419	157+77.12	696.597	0.403	4.84	SF-G4	10.085		4.00	1.2500	0.000				0.7500		
C8	STRINGERG	12.673	157+77.12	696.187	0.410	4.92	G4-SG	10.254	9.500		1.2500	0.000	-0.008		1.258		0.7500	6.096
C8	STRINGERH	22.849	157+77.12	695.78	0.407	4.88	SG-SH	10.176		4.00	1.2500	0.000				0.7500		
C8	GDR5	32.999	157+77.12	695.374	0.406	4.87	SH-G5	10.150		4.00	1.2500	0.000		-0.002	1.252		0.7500	
C9	GDR1	-89.412	158+01.50	700.078														
C9	STRINGERA	-79.14	158+01.50	699.737	0.341	4.09	G1-SA	10.272	9.500		1.2500	0.000	-0.012		1.262		0.7500	6.144
C9	STRINGERB	-68.987	158+01.50	699.331	0.406	4.87	SA-SB	10.153		4.00	1.2500	0.000				0.7500		
C9	GDR2	-58.888	158+01.50	698.927	0.404	4.85	SB-G2	10.099		4.00	1.2500	0.000				0.7500		



<u>Girder Haunch</u> <u>(Bottom of Slab</u> <u>to Top of Web)</u> <u>(Right)</u> <u>(in)</u>	<u>Final</u> <u>Top of</u> <u>Girder Web</u> <u>Elev.</u> <u>(Left)</u>	<u>Final</u> <u>Top of</u> <u>Girder Web</u> <u>Elev.</u> <u>(Right)</u>	<u>Final Dead</u> <u>Load Defl.</u> <u>Left Girder</u> <u>(ft)</u>	<u>Final Dead</u> <u>Load Defl.</u> <u>Right Girder</u> <u>(ft)</u>	<u>No Load</u> <u>Top of</u> <u>Girder Web</u> <u>Elev.</u> <u>(Left)</u>	<u>No Load</u> <u>Top of</u> <u>Girder Web</u> <u>Elev.</u> <u>(Right)</u>	<u>(SW<sub>o</sub>) No Load</u> <u>Top of</u> <u>Girder Web</u> <u>Cross-slope</u> <u>G1-G2 (%)</u>	<u>(SW<sub>f</sub>) Final</u> <u>Top of</u> <u>Girder Web</u> <u>Cross-slope</u> <u>G1-G2 (%)</u>	<u>(SS<sub>o</sub>)</u> <u>Slope of</u> <u>Stringer</u> <u>line</u> <u>G1-G2 (%)</u>	<u>Str.</u>	<u>A<sub>o</sub> Str.</u> <u>(ft)</u>	<u>Top of</u> <u>Stringer</u> <u>Elev.</u>	<u>Stringer</u> <u>Haunch</u> <u>(in)</u>	<u>Depth of</u> <u>Stringer</u> <u>(ft)</u>	<u>Elev. Top of</u> <u>Diaphragm</u> <u>(ft)</u>	<u>Fill PL</u> <u>thickness</u> <u>(in)</u>	<u>Dist from</u> <u>Bott. of Left</u> <u>Girder Top Flg to</u> <u>Top of Diaphragm</u> <u>(ft)</u>	<u>Dist from</u> <u>Bott. of Right</u> <u>Girder Top Flg to</u> <u>Top of Diaphragm</u> <u>(ft)</u>	<u>Depth of</u> <u>Diaphragm</u> <u>(ft)</u>	<u>Dist from</u> <u>Bott. Of Diaph.</u> <u>to top of bott.</u> <u>Flange - Left</u> <u>Girder (ft)</u>	<u>Dist from</u> <u>Bott. Of Diaph.</u> <u>to top of bott.</u> <u>Flange - Right</u> <u>Girder (ft)</u>
	699.188		-0.952		700.140					A	0.3860	700.070	3.969	1.5521		4.632	2.008		4.3125	3.180	
6.612		698.055		-0.997		699.052	3.620	3.770	3.851	B	0.3822	699.684	3.789	1.5521	698.132			0.920	4.3125		4.268
	698.055		-0.997		699.052					C	0.4068	698.892	3.454	1.5521		4.882	2.119		4.3125	3.069	
6.576		696.853		-0.979		697.832				D	0.4033	698.485	3.512	1.5521	696.933				4.3125		4.289
	696.853		-0.979		697.832					E	0.4308	697.648	2.839	1.5521		5.170	2.167		4.3125	3.021	
6.516		695.650		-0.889		696.539				F	0.4286	697.218	3.173	1.5521	695.665			0.874	4.3125		4.314
	695.650		-0.889		696.539					G	0.4566	696.329	2.165	1.5521		5.479	2.219		4.3125	2.968	
6.432		694.446		-0.723		695.169				H	0.4530	695.872	2.796	1.5521	694.320			0.849	4.3125		4.338
	699.092		-0.884		699.976					A	0.4007	699.894	3.558	1.5521		4.808	2.035		4.3125	3.152	
6.516		697.957		-0.888		698.845	3.748	3.761	3.984	B	0.3978	699.493	3.542	1.5521	697.941			0.904	4.3125		4.283
	697.957		-0.888		698.845					C	0.4206	698.671	3.083	1.5521		5.047	2.147		4.3125	3.041	
6.492		696.749		-0.834		697.583				D	0.4175	698.250	3.282	1.5521	696.698				4.3125		4.303
	696.749		-0.834		697.583					E	0.4408	697.389	2.530	1.5521		5.289	2.187		4.3125	3.001	
6.408		695.544		-0.717		696.261				F	0.4374	696.948	2.971	1.5521	695.396			0.865	4.3125		4.323
	695.544		-0.717		696.261					G	0.4618	696.046	1.959	1.5521		5.541	2.229		4.3125	2.958	
6.312		694.336		-0.540		694.876				H	0.4579	695.584	2.641	1.5521	694.032			0.844	4.3125		4.343
	698.999		-0.735		699.734					A	0.4163	699.638	3.107	1.5521		4.996	2.064		4.3125	3.123	
6.408		697.860		-0.698		698.558	3.881	3.759	4.121	B	0.4138	699.222	3.255	1.5521	697.670			0.888	4.3125		4.299
	697.860		-0.698		698.558					C	0.4335	698.372	2.672	1.5521		5.202	2.171		4.3125	3.016	
6.348		696.650		-0.608		697.258				D	0.4309	697.939	3.014	1.5521	696.387				4.3125		4.316
	696.650		-0.608		697.258					E	0.4476	697.057	2.268	1.5521		5.371	2.201		4.3125	2.987	
6.276		695.439		-0.475		695.914				F	0.4454	696.609	2.779	1.5521	695.057			0.857	4.3125		4.331
	695.439		-0.475		695.914					G	0.4593	695.702	1.909	1.5521		5.512	2.223		4.3125	2.964	
6.180		694.228		-0.307		694.535				H	0.4576	695.243	2.548	1.5521	693.691			0.844	4.3125		4.343
	698.908		-0.514		699.422					A	0.4306	699.311	2.637	1.5521		5.168	2.093		4.3125	3.094	
6.252		697.766		-0.437		698.203	4.008	3.755	4.253	B	0.4276	698.881	2.945	1.5521	697.329			0.874	4.3125		4.313
	697.766		-0.437		698.203					C	0.4428	698.007	2.298	1.5521		5.314	2.191		4.3125	2.996	
6.180		696.553		-0.320		696.873				D	0.4407	697.564	2.740	1.5521	696.012				4.3125		4.326
	696.553		-0.320		696.873					E	0.4502	696.667	2.038	1.5521		5.402	2.208		4.3125	2.979	
6.096		695.339		-0.181		695.520				F	0.4470	696.217	2.568	1.5521	694.665			0.855	4.3125		4.332
	695.339		-0.181		695.520					G	0.4512	695.315	1.964	1.5521		5.415	2.208		4.3125	2.979	
6.024		694.122		-0.042		694.164				H	0.4501	694.864	2.495	1.5521	693.312			0.852	4.3125		4.335
	698.816		-0.226		699.042					A	0.4436	698.920	2.162	1.5521		5.323	2.118		4.3125	3.070	
6.060		697.672		-0.113		697.785	4.118	3.748	4.369	B	0.4412	698.476	2.613	1.5521	696.924			0.861	4.3125		4.327

Assumed Girder flange height = 2 in

<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>
4		0.76		OK		3.98	
2.9167	4	0.72	0.82	OK	OK	5.86	5.97
2.9167	2.9167	0.74	0.74	OK	OK	2.44	16.02
2.9167	2.9167	0.74	0.74	<b>NG!</b>	OK	1.99	16.18
	2.9167		0.74		OK		16.39
2.9167		0.74		OK		3.80	
2.9167	2.9167	0.74	0.74	OK	OK	2.63	15.89
2.9167	2.9167	0.74	0.74	OK	OK	2.18	16.07
2.9167	2.9167	0.74	0.74	<b>NG!</b>	OK	1.62	16.29
	2.9167		0.74		OK		16.59
2.9167		0.74		OK		3.68	
2.9167	2.9167	0.74	0.74	OK	OK	2.40	15.94
2.9167	2.9167	0.74	0.74	<b>NG!</b>	OK	1.88	16.18
2.9167	2.9167	0.74	0.74	<b>NG!</b>	OK	1.22	16.46
	2.9167		0.74		OK		16.77
2.9167		0.74		OK		3.41	
2.9167	2.9167	0.74	0.74	OK	OK	2.09	16.02
2.9167	2.9167	0.74	0.74	<b>NG!</b>	OK	1.55	16.27
2.8333	2.9167	0.73	0.74	<b>NG!</b>	OK	1.88	16.61
	2.9167		0.74		OK		16.96

Assumed Girder flange height = 2 in

<u>Proposed knee brace height Left (ft)</u>	<u>Proposed knee brace height Right (ft)</u>	<u>Diaph % of Girder Depth Left</u>	<u>Diaph % of Girder Depth Right</u>	<u>2" clr Room for Proposed knee brace? Left</u>	<u>2" clr Room for Proposed knee brace? Right</u>	<u>Clear below knee brace Left (in)</u>	<u>Clear below knee brace Right (in)</u>
2.9167		0.74		OK		3.16	
2.9167	2.9167	0.74	0.74	NG!	OK	1.82	16.21
2.9167	2.9167	0.74	0.74	NG!	OK	1.25	16.46
2.8333	2.9167	0.73	0.74	NG!	OK	1.62	16.77
	2.9167		0.74		OK		17.06
2.9167		0.74		OK		2.83	
2.9167	2.9167	0.74	0.74	NG!	OK	1.49	16.40
2.8333	2.9167	0.73	0.74	OK	OK	2.01	16.63
2.8333	2.9167	0.73	0.74	NG!	OK	1.50	16.87
	2.9167		0.74		OK		17.12
2.9167		0.74		OK		2.48	
2.9167	2.9167	0.74	0.74	NG!	OK	1.19	16.59
2.8333	2.9167	0.73	0.74	NG!	OK	1.84	16.79
2.8333	2.9167	0.73	0.74	NG!	OK	1.57	16.97
	2.9167		0.74		OK		17.12
2.9167		0.74		OK		2.13	
2.8333	2.9167	0.73	0.74	NG!	OK	1.95	16.76
2.8333	2.9167	0.73	0.74	NG!	OK	1.75	16.91
2.8333	2.9167	0.73	0.74	NG!	OK	1.75	16.99
	2.9167		0.74		OK		17.03
2.9167		0.74		NG!		1.84	
	2.9167		0.74		OK		16.92



**Modified Delta Diaphragm - Type D, E, F**

Label	Group	Offset	Station	Top of Deck				Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD) <sub>F</sub> Final Deck Cross-slope G2-G5 (%)	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (in)
				Elevation	Elev Diff btwn Points (ft)	Elev Diff btwn Points (in)	Left Girder Web Height (ft)						Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)				
D7	STRINGERA	-67.424	154+54.44	701.004	0.505	6.06	G1-SA	14.379	14.135		1.2500	0.000	0.026		1.224		0.8333	4.688	
D7	GDR2	-53.317	154+54.44	700.44	0.564	6.77	SA-G2	14.107		4.00	1.2500	0.000		0.023		1.227	0.8333		
D7	STRINGERC	-38.867	154+54.44	699.862	0.578	6.94	G2-SC	14.450	8.000	4.00	1.2500	0.000	0.023		1.227		0.8333	4.724	
D7	GDR3	-24.683	154+54.44	699.294	0.568	6.82	SC-G3	14.184		4.00	1.2500	0.000		0.018		1.232	0.8333		
D7	STRINGERE	-10.164	154+54.44	698.713	0.581	6.97	G3-SE	14.519	8.000	4.00	1.2500	0.000	0.018		1.232		0.8333	4.784	
D7	GDR4	4.091	154+54.44	698.143	0.570	6.84	SE-G4	14.255		4.00	1.2500	0.000		0.013		1.237	0.8333		
D7	STRINGERG	18.676	154+54.44	697.56	0.583	7.00	G4-SG	14.585	8.000	4.00	1.2500	0.000	0.013		1.237		0.8333	4.844	
D7	GDR5	32.999	154+54.44	696.987	0.573	6.88	SG-G5	14.323		4.00	1.2500	0.000		0.005		1.245	0.8333		
D7_a	GDR1	-81.583	154+46.34	701.541															
D7_a	STRINGERA	-67.232	154+46.62	701.035	0.506	6.07	G1-SA	14.351	12.451		1.2500	0.000	0.026		1.224		0.8333	4.688	
D7_a	GDR2	-53.167	154+46.89	700.471	0.564	6.77	SA-G2	14.065		4.01	1.2500	0.000		0.023		1.227	0.8333		
D8	GDR1	-82.351	154+74.97	701.428															
D8	STRINGERA	-73.106	154+74.97	701.128	0.300	3.60	G1-SA	9.245	8.000		1.2500	0.000	0.014		1.236		0.8333	4.832	
D8	STRINGERA	-68.012	154+74.97	700.925	0.203	2.44	SA-SA1	5.094		3.99	1.2500	0.000					0.8333		
D8	STRINGERB	-63.511	154+74.97	700.745	0.180	2.16	SA1-SB	4.501		4.00	1.2500	0.000					0.8333		
D8	GDR2	-53.718	154+74.97	700.353	0.392	4.70	SB-G2	9.793		4.00	1.2500	0.000		0.010		1.240	0.8333		
D8	STRINGERC	-44.289	154+74.97	699.976	0.377	4.52	G2-SC	9.429	8.000	4.00	1.2500	0.000	0.010		1.240		0.8333	4.880	
D8	STRINGERC	-39.306	154+74.97	699.777	0.199	2.39	SC-SC1	4.983		3.99	1.2500	0.000					0.8333		
D8	STRINGERD	-34.662	154+74.97	699.591	0.186	2.23	SC1-SD	4.644		4.01	1.2500	0.000					0.8333		
D8	GDR3	-24.944	154+74.97	699.202	0.389	4.67	SD-G3	9.718		4.00	1.2500	0.000		0.005		1.245	0.8333		
D8	STRINGERE	-15.378	154+74.97	698.819	0.383	4.60	G3-SE	9.566	8.000	4.00	1.2500	0.000	0.005		1.245		0.8333	4.940	
D8	STRINGERE	-10.463	154+74.97	698.623	0.196	2.35	SE-SE1	4.915		3.99	1.2500	0.000					0.8333		
D8	STRINGERF	-5.721	154+74.97	698.433	0.190	2.28	SE1-SF	4.742		4.01	1.2500	0.000					0.8333		
D8	GDR4	3.964	154+74.97	698.046	0.387	4.64	SF-G4	9.685		4.00	1.2500	0.000					0.8333		
D8	STRINGERG	13.622	154+74.97	697.659	0.387	4.64	G4-SG	9.658	8.000	4.01	1.2500	0.000	0.000		1.250		0.8333	5.000	
D8	STRINGERG	18.512	154+74.97	697.464	0.195	2.34	SG-SG1	4.890		3.99	1.2500	0.000					0.8333		
D8	STRINGERH	23.307	154+74.97	697.272	0.192	2.30	SG1-SH	4.795		4.00	1.2500	0.000					0.8333		
D8	GDR5	33	154+74.97	696.884	0.388	4.66	SH-G5	9.693		4.00	1.2500	0.000		-0.008		1.258	0.8333		
D9	GDR1	-82.895	154+95.84	701.346															
D9	STRINGERA	-73.389	154+95.84	701.035	0.311	3.73	G1-SA	9.506	8.000		1.2500	0.000	0.001		1.249		0.7500	5.988	
D9	STRINGERB	-63.772	154+95.84	700.651	0.384	4.61	SA-SB	9.617		3.99	1.2500	0.000					0.7500		
D9	GDR2	-54.117	154+95.84	700.265	0.386	4.63	SB-G2	9.655		4.00	1.2500	0.000		-0.003		1.253	0.7500		
D9	STRINGERC	-44.508	154+95.84	699.88	0.385	4.62	G2-SC	9.609	8.000	4.01	1.2500	0.000	-0.003		1.253		0.7500	6.036	
D9	STRINGERD	-34.86	154+95.84	699.494	0.386	4.63	SC-SD	9.648		4.00	1.2500	0.000					0.7500		
D9	GDR3	-25.204	154+95.84	699.108	0.386	4.63	SD-G3	9.656		4.00	1.2500	0.000		-0.009		1.259	0.7500		
D9	STRINGERE	-15.536	154+95.84	698.721	0.387	4.64	G3-SE	9.668	8.000	4.00	1.2500	0.000	-0.009		1.259		0.7500	6.108	
D9	STRINGERF	-5.859	154+95.84	698.334	0.387	4.64	SE-SF	9.677		4.00	1.2500	0.000					0.7500		
D9	GDR4	3.837	154+95.84	697.946	0.388	4.66	SF-G4	9.696		4.00	1.2500	0.000		-0.012		1.262	0.7500		
D9	STRINGERG	13.522	154+95.84	697.559	0.387	4.64	G4-SG	9.685	8.000	4.00	1.2500	0.000	-0.012		1.262		0.7500	6.144	
D9	STRINGERH	23.227	154+95.84	697.171	0.388	4.66	SG-SH	9.705		4.00	1.2500	0.000					0.7500		
D9	GDR5	32.999	154+95.84	696.78	0.391	4.69	SH-G5	9.772		4.00	1.2500	0.000		-0.019		1.269	0.7500		
D10	GDR1	-83.432	155+16.90	701.262															
D10	STRINGERA	-73.803	155+16.90	700.947	0.315	3.78	G1-SA	9.629	8.000		1.2500	0.000	-0.009		1.259		0.7500	6.108	
D10	STRINGERB	-64.164	155+16.90	700.561	0.386	4.63	SA-SB	9.639		4.00	1.2500	0.000					0.7500		
D10	GDR2	-54.51	155+16.90	700.175	0.386	4.63	SB-G2	9.654		4.00	1.2500	0.000		-0.014		1.264	0.7500		
D10	STRINGERC	-44.856	155+16.90	699.789	0.386	4.63	G2-SC	9.654	8.000	4.00	1.2500	0.000	-0.014		1.264		0.7500	6.168	
D10	STRINGERD	-35.187	155+16.90	699.402	0.387	4.64	SC-SD	9.669		4.00	1.2500	0.000					0.7500		
D10	GDR3	-25.46	155+16.90	699.013	0.389	4.67	SD-G3	9.727		4.00	1.2500	0.000		-0.019		1.269	0.7500		
D10	STRINGERE	-15.821	155+16.90	698.627	0.386	4.63	G3-SE	9.639	8.000	4.00	1.2500	0.000	-0.019		1.269		0.7500	6.228	
D10	STRINGERF	-6.124	155+16.90	698.24	0.387	4.64	SE-SF	9.697		3.99	1.2500	0.000					0.7500		
D10	GDR4	3.712	155+16.90	697.846	0.394	4.73	SF-G4	9.836		4.01	1.2500	0.000		-0.022		1.272	0.7500		
D10	STRINGERG	13.297	155+16.90	697.463	0.383	4.60	G4-SG	9.585	8.000	4.00	1.2500	0.000	-0.022		1.272		0.7500	6.264	
D10	STRINGERH	23.021	155+16.90	697.074	0.389	4.67	SG-SH	9.724		4.00	1.2500	0.000					0.7500		
D10	GDR5	32.999	155+16.90	696.675	0.399	4.79	SH-G5	9.978		4.00	1.2500	0.000		-0.028		1.278	0.7500		
D11	GDR1	-84.067	155+42.50	701.159															
D11	STRINGERA	-74.311	155+42.50	700.839	0.320	3.84	G1-SA	9.756	8.000		1.2500	0.000	-0.019		1.269		0.7500	6.228	
D11	STRINGERB	-64.633	155+42.50	700.452	0.387	4.64	SA-SB	9.678		4.00	1.2500	0.000					0.7500		
D11	GDR2	-54.975	155+42.50	700.066	0.386	4.63	SB-G2	9.658		4.00	1.2500	0.000		-0.023		1.273	0.7500		
D11	STRINGERC	-45.24	155+42.50	699.676	0.390	4.68	G2-SC	9.735	8.000	4.01	1.2500	0.000	-0.023		1.273		0.7500	6.276	
D11	STRINGERD	-35.533	155+42.50	699.288	0.388	4.66	SC-SD	9.707		4.00	1.2500	0.000					0.7500		



**Modified Delta Diaphragm - Type D, E, F**

Label	Group	Offset	Station	Top of Deck		Elev Diff btwn Points (ft)	Elev Diff btwn Points (in)	Dist btwn Points (ft)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD <sub>F</sub> ) Final Deck Cross-slope G2-G5 (%)	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)	Girder Haunch (Bottom of Slab to Top of Web) (in)
				Elevation	Elevation								Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)				
D11	GDR3	-25.762	155+42.50	698.897	0.391	4.69	SD-G3	9.771		4.00	1.2500	0.000					0.7500		
D11	STRINGERE	-16.082	155+42.50	698.51	0.387	4.64	G3-SE	9.680	8.000	4.00	1.2500	0.000	-0.029	1.279			0.7500	6.348	
D11	STRINGERF	-6.346	155+42.50	698.12	0.390	4.68	SE-SF	9.736		4.01	1.2500	0.000					0.7500		
D11	GDR4	3.564	155+42.50	697.724	0.396	4.75	SF-G4	9.910	8.000	4.00	1.2500	0.000					0.7500		
D11	STRINGERG	13.147	155+42.50	697.341	0.383	4.60	G4-SG	9.583	8.000	4.00	1.2500	0.000	-0.024	1.274			0.7500	6.288	
D11	STRINGERH	22.909	155+42.50	696.95	0.391	4.69	SG-SH	9.762		4.01	1.2500	0.000					0.7500		
D11	GDR5	32.999	155+42.50	696.547	0.403	4.84	SH-G5	10.090	14.244	3.99	1.2500	0.000					0.7500		
D11_a	GDR4	3.525	155+49.45	697.691															
D11_a	STRINGERG	13.197	155+49.50	697.304	0.387	4.64	G4-SG	9.672	15.198	4.00	1.2500	0.000	-0.024	1.274			0.7500	6.288	
D11_a	STRINGERH	22.979	155+49.56	696.912	0.392	4.70	SG-SH	9.782		4.01	1.2500	0.000					0.7500		
D11_a	GDR5	33	155+49.61	696.511	0.401	4.81	SH-G5	10.021	12.891	4.00	1.2500	0.000					0.7500		
D12	GDR1	-84.604	155+64.76	701.069															
D12	STRINGERA	-74.696	155+64.76	700.743	0.326	3.91	G1-SA	9.908	8.000		1.2500	0.000	-0.027	1.277			0.7500	6.324	
D12	STRINGERB	-64.962	155+64.76	700.354	0.389	4.67	SA-SB	9.734		4.00	1.2500	0.000					0.7500		
D12	GDR2	-55.367	155+64.76	699.97	0.384	4.61	SB-G2	9.595	8.000	4.00	1.2500	0.000					0.7500		
D12	STRINGERC	-45.465	155+64.76	699.574	0.396	4.75	G2-SC	9.902	8.000	4.00	1.2500	0.000	-0.032	1.282			0.7500	6.384	
D12	STRINGERD	-35.701	155+64.76	699.183	0.391	4.69	SC-SD	9.764		4.00	1.2500	0.000					0.7500		
D12	GDR3	-26.018	155+64.76	698.796	0.387	4.64	SD-G3	9.683	14.288	4.00	1.2500	0.000					0.7500		
D12_a	GDR2	-55.486	155+71.59	699.941															
D12_a	STRINGERC	-45.565	155+71.76	699.543	0.398	4.78	G2-SC	9.921	15.198	4.01	1.2500	0.000	-0.032	1.282			0.7500	15.384	
D12_a	STRINGERD	-35.785	155+71.92	699.151	0.392	4.70	SC-SD	9.780		4.01	1.2500	0.000					0.7500		
D12_a	GDR3	-26.101	155+72.09	698.763	0.388	4.66	SD-G3	9.684	12.868	4.01	1.2500	0.000					0.7500		
D12_b	GDR3	-25.971	155+60.61	698.815															
D12_b	STRINGERE	-16.121	155+60.72	698.42	0.395	4.74	G3-SE	9.850	15.199	4.01	1.2500	0.000	-0.038	1.288			0.7500	15.456	
D12_b	STRINGERF	-6.338	155+60.83	698.028	0.392	4.70	SE-SF	9.783		4.01	1.2500	0.000					0.7500		
D12_b	GDR4	3.461	155+60.94	697.636	0.392	4.70	SF-G4	9.799	12.880	4.00	1.2500	0.000					0.7500		
D12_b	STRINGERG	13.25	155+61.06	697.244	0.392	4.70	G4-SG	9.789	12.880	4.00	1.2500	0.000	-0.042	1.292			0.7500	6.504	
D12_b	STRINGERH	23.064	155+61.17	696.851	0.393	4.72	SG-SH	9.814		4.00	1.2500	0.000					0.7500		
D12_b	GDR5	33	155+61.28	696.453	0.398	4.78	SH-G5	9.936	11.153	4.01	1.2500	0.000					0.7500		
D13	GDR1	-85.018	155+82.38	700.998															
D13	STRINGERA	-75.108	155+82.60	700.67	0.328	3.94	G1-SA	9.910	15.198		1.2500	0.000	-0.033	1.283			0.7500	6.396	
D13	STRINGERB	-65.335	155+82.82	700.278	0.392	4.70	SA-SB	9.773		4.01	1.2500	0.000					0.7500		
D13	GDR2	-55.682	155+83.03	699.891	0.387	4.64	SB-G2	9.653	12.856	4.01	1.2500	0.000					0.7500		
D13	STRINGERC	-45.761	155+83.26	699.493	0.398	4.78	G2-SC	9.921	12.856	4.01	1.2500	0.000	-0.039	1.289			0.7500	6.468	
D13	STRINGERD	-35.952	155+83.48	699.1	0.393	4.72	SC-SD	9.809		4.01	1.2500	0.000					0.7500		
D13	GDR3	-26.23	155+83.70	698.71	0.390	4.68	SD-G3	9.722	11.119	4.01	1.2500	0.000					0.7500		
D13	STRINGERE	-16.308	155+83.93	698.312	0.398	4.78	G3-SE	9.922	11.119	4.01	1.2500	0.000	-0.045	1.295			0.7500	6.540	
D13	STRINGERF	-6.465	155+84.16	697.917	0.395	4.74	SE-SF	9.843		4.01	1.2500	0.000					0.7500		
D13	GDR4	3.332	155+84.39	697.524	0.393	4.72	SF-G4	9.797	9.990	4.01	1.2500	0.000					0.7500		
D13	STRINGERG	13.241	155+84.62	697.126	0.398	4.78	G4-SG	9.909	9.990	4.02	1.2500	0.000	-0.049	1.299			0.7500	6.588	
D13	STRINGERH	23.119	155+84.85	696.73	0.396	4.75	SG-SH	9.878		4.01	1.2500	0.000					0.7500		
D13	GDR5	33	155+85.08	696.334	0.396	4.75	SH-G5	9.881	9.500	4.01	1.2500	0.000					0.7500		



<b>Modified Delta Diaphragm - Type D, E, F</b>				<b>Girder Haunch</b>	<b>Final Top of</b>	<b>Final Top of</b>	<b>No Load</b>		<b>No Load</b>		<b>(SW<sub>C</sub>) No Load</b>	<b>(SW<sub>F</sub>) Final</b>	<b>(SS<sub>C</sub>)</b>	<b>Distance</b>								
<b>Label</b>	<b>Group</b>	<b>Offset</b>	<b>Station</b>	<b>(Bottom of Slab to Top of Web)</b>	<b>Girder Web Elev. (Left)</b>	<b>Girder Web Elev. (Right)</b>	<b>Final Dead Load Defl. (ft)</b>	<b>Final Dead Load Defl. (ft)</b>	<b>Girder Web Elev. (Left)</b>	<b>Girder Web Elev. (Right)</b>	<b>Top of Girder Web Cross-slope G1-G2 (%)</b>	<b>Top of Girder Web Cross-slope G1-G2 (%)</b>	<b>Slope of Stringer line G1-G2 (%)</b>	<b>Str.</b>	<b>A<sub>@_str</sub> (ft)</b>	<b>FB moved down from Stringer (ft)</b>	<b>Top of Stringer Elev.</b>	<b>Stringer Haunch (in)</b>	<b>Depth of Stringer (ft)</b>	<b>Elev. Top of Diaphragm (ft)</b>	<b>Fill PL thickness (in)</b>	
D7	STRINGERA	-67.424	154+54.44		700.285		0.230		700.055													
D7	GDR2	-53.317	154+54.44	4.724		699.213		0.172		699.041	3.560	3.763	3.794	A	0.5353	0.00	699.826	2.069	1.5521	698.274		
D7	STRINGERC	-38.867	154+54.44		699.213				699.041													
D7	GDR3	-24.683	154+54.44	4.784		698.062		0.123		697.939				C	0.5459	0.00	698.735	2.049	1.5521	697.183		
D7	STRINGERE	-10.164	154+54.44		698.062				697.939													
D7	GDR4	4.091	154+54.44	4.844		696.906		0.069		696.837				E	0.5459	0.00	697.633	2.133	1.5521	696.081		
D7	STRINGERG	18.676	154+54.44		696.906		0.069		696.837													
D7	GDR5	32.999	154+54.44	4.940		695.742		0.015		695.727				G	0.5500	0.00	696.527	2.216	1.5521	694.975		
D7_a	GDR1	-81.583	154+46.34																			
D7_a	STRINGERA	-67.232	154+46.62		700.317		0.230		700.087													
D7_a	GDR2	-53.167	154+46.89	4.724		699.244		0.172		699.072	3.572	3.776	3.806	A	0.5353	0.25	699.857		1.5521	698.055		
D8	GDR1	-82.351	154+74.97																			
D8	STRINGERA	-73.106	154+74.97		700.192		0.151		700.041		5.308	5.727	3.566	A	0.3421	0.00	699.982	2.884	1.5521		4.106	
D8	STRINGERA	-68.012	154+74.97											A1		0.00	699.640	2.394				
D8	STRINGERB	-63.511	154+74.97											B	0.3492	0.00	699.640	2.394	1.5521	698.088		
D8	GDR2	-53.718	154+74.97	4.880		699.113		0.072		699.041												
D8	STRINGERC	-44.289	154+74.97		699.113		0.072		699.041					C	0.3660	0.00	698.933	2.402	1.5521		4.392	
D8	STRINGERC	-39.306	154+74.97											C1		0.00	698.566	2.174				
D8	STRINGERD	-34.662	154+74.97											D	0.3695	0.00	698.566	2.174	1.5521	697.014		
D8	GDR3	-24.944	154+74.97	4.940		697.957		0.010		697.947												
D8	STRINGERE	-15.378	154+74.97		697.957		0.010		697.947					E	0.3671	0.00	697.833	2.452	1.5521		4.406	
D8	STRINGERE	-10.463	154+74.97											E1		0.00	697.466	2.226				
D8	STRINGERF	-5.721	154+74.97											F	0.3682	0.00	697.466	2.226	1.5521	695.914		
D8	GDR4	3.964	154+74.97	5.000		696.796		-0.052		696.848												
D8	STRINGERG	13.622	154+74.97		696.796		-0.052		696.848					G	0.3722	0.00	696.727	2.458	1.5521		4.467	
D8	STRINGERG	18.512	154+74.97											G1		0.00	696.355	2.281				
D8	STRINGERH	23.307	154+74.97											H	0.3726	0.00	696.355	2.281	1.5521	694.802		
D8	GDR5	33	154+74.97	5.096		695.626		-0.106		695.732												
D9	GDR1	-82.895	154+95.84																			
D9	STRINGERA	-73.389	154+95.84		700.097		0.038		700.059					A	0.3546	0.00	700.023	3.749	1.5521		4.255	
D9	STRINGERB	-63.772	154+95.84								3.464	3.770	3.687	B	0.3560	0.00	699.668	3.396	1.5521	698.116		
D9	GDR2	-54.117	154+95.84	6.036		699.012		-0.050		699.062												
D9	STRINGERC	-44.508	154+95.84		699.012		-0.050		699.062					C	0.3667	0.00	698.947	3.567	1.5521		4.401	
D9	STRINGERD	-34.86	154+95.84											D	0.3670	0.00	698.580	3.336	1.5521	697.028		
D9	GDR3	-25.204	154+95.84	6.108		697.849		-0.114		697.963												
D9	STRINGERE	-15.536	154+95.84		697.849		-0.114		697.963					E	0.3682	0.00	697.845	3.598	1.5521		4.418	
D9	STRINGERF	-5.859	154+95.84											F	0.3689	0.00	697.477	3.373	1.5521	695.925		
D9	GDR4	3.837	154+95.84	6.144		696.684		-0.174		696.858												
D9	STRINGERG	13.522	154+95.84		696.684		-0.174		696.858					G	0.3734	0.00	696.735	3.584	1.5521		4.481	
D9	STRINGERH	23.227	154+95.84											H	0.3760	0.00	696.362	3.408	1.5521	694.810		
D9	GDR5	32.999	154+95.84	6.228		695.511		-0.225		695.736												
D10	GDR1	-83.432	155+16.90																			
D10	STRINGERA	-73.803	155+16.90		700.003		-0.080		700.083					A	0.3577	0.00	700.042	3.841	1.5521		4.292	
D10	STRINGERB	-64.164	155+16.90								3.482	3.776	3.711	B	0.3582	0.00	699.684	3.501	1.5521	698.132		
D10	GDR2	-54.51	155+16.90	6.168		698.911		-0.165		699.076												
D10	STRINGERC	-44.856	155+16.90		698.911		-0.165		699.076					C	0.3698	0.00	698.957	3.639	1.5521		4.437	
D10	STRINGERD	-35.187	155+16.90											D	0.3720	0.00	698.587	3.432	1.5521	697.035		
D10	GDR3	-25.46	155+16.90	6.228		697.744		-0.221		697.965												
D10	STRINGERE	-15.821	155+16.90		697.744		-0.221		697.965					E	0.3703	0.00	697.847	3.685	1.5521		4.444	
D10	STRINGERF	-6.124	155+16.90											F	0.3756	0.00	697.477	3.485	1.5521	695.925		
D10	GDR4	3.712	155+16.90	6.264		696.574		-0.277		696.851												
D10	STRINGERG	13.297	155+16.90		696.574		-0.277		696.851					G	0.3755	0.00	696.731	3.662	1.5521		4.506	
D10	STRINGERH	23.021	155+16.90											H	0.3853	0.00	696.355	3.500	1.5521	694.803		
D10	GDR5	32.999	155+16.90	6.336		695.397		-0.323		695.720												
D11	GDR1	-84.067	155+42.50																			
D11	STRINGERA	-74.311	155+42.50		699.890		-0.192		700.082					A	0.3587	0.00	700.037	3.952	1.5521		4.305	
D11	STRINGERB	-64.633	155+42.50								3.479	3.771	3.707	B	0.3580	0.00	699.678	3.612	1.5521	698.126		
D11	GDR2	-54.975	155+42.50	6.276		698.793		-0.277		699.070												
D11	STRINGERC	-45.24	155+42.50		698.793		-0.277		699.070					C	0.3705	0.00	698.948	3.775	1.5521		4.446	
D11	STRINGERD	-35.533	155+42.50											D	0.3729	0.00	698.578	3.565	1.5521	697.026		







**Modified Delta Diaphragm - Type D, E, F**

Label	Group	Offset	Station	Dist from	Dist from	Depth of Diaphragm	Dist from	Dist from	Proposed knee brace height Left (ft)	Proposed knee brace height Right (ft)	Diaph % of Girder Depth Left	Diaph % of Girder Depth Right	2" clr	2" clr	Clear below knee brace Left (in)	Clear below knee brace Right (in)
				Bott. of Left Girder Top Flg to Top of Diaph. (ft)	Bott. of Right Girder Top Flg to Top of Diaph. (ft)		Bott. Of Diaph. to top of bott. Flange - Left Girder (ft)	Bott. Of Diaph. to top of bott. Flange - Right Girder (ft)					Room for Proposed knee brace? Left	Room for Proposed knee brace? Right		
D11	GDR3	-25.762	155+42.50		0.929	5.1458		1.925	1.6458	1.6458	0.82	0.82		OK		3.35
D11	STRINGERE	-16.082	155+42.50	2.035		5.1458	0.819		1.6458		0.82		OK			
D11	STRINGERF	-6.346	155+42.50			5.1458										
D11	GDR4	3.564	155+42.50		0.928	5.1458		1.926	1.6458	1.6458	0.82	0.82		OK		3.36
D11	STRINGERG	13.147	155+42.50	2.050		5.1458	0.804		1.6458		0.82		OK			
D11	STRINGERH	22.909	155+42.50			5.1458										
D11	GDR5	32.999	155+42.50		0.912	5.1458		8.186		6.5		0.80		OK		20.23
D11_a	GDR4	3.525	155+49.45													
D11_a	STRINGERG	13.197	155+49.50	2.055		5.1458	7.997		6.5		0.75		OK		17.96	
D11_a	STRINGERH	22.979	155+49.56			5.1458										
D11_a	GDR5	33	155+49.61		0.914	5.1458		6.831		4.5		0.73		OK		27.97
D12	GDR1	-84.604	155+64.76													
D12	STRINGERA	-74.696	155+64.76	1.964		5.1458	0.891		1.6458		0.82		OK			
D12	STRINGERB	-64.962	155+64.76			5.1458										
D12	GDR2	-55.367	155+64.76		0.948	5.1458		1.907	1.6458	1.6458	0.82	0.82		OK		3.13
D12	STRINGERC	-45.465	155+64.76	2.046		5.1458	0.808		1.6458		0.82		OK			
D12	STRINGERD	-35.701	155+64.76			5.1458										
D12	GDR3	-26.018	155+64.76		0.936	5.1458		8.206		6.5000		0.80		OK		20.48
D12_a	GDR2	-55.486	155+71.59													
D12_a	STRINGERC	-45.565	155+71.76	2.049		5.1458	8.003		6.5		0.75		OK		18.04	
D12_a	STRINGERD	-35.785	155+71.92			5.1458										
D12_a	GDR3	-26.101	155+72.09		0.935	5.1458		6.787		4.5		0.73		OK		27.45
D12_b	GDR3	-25.971	155+60.61													
D12_b	STRINGERE	-16.121	155+60.72	2.047		5.1458	8.007		6.5000		0.75		OK		18.08	
D12_b	STRINGERF	-6.338	155+60.83			5.1458										
D12_b	GDR4	3.461	155+60.94		0.931	5.1458		6.804	6.5000	6.5000	0.88	0.88		OK	OK	3.64
D12_b	STRINGERG	13.25	155+61.06	2.058		5.1458	5.676		4.5000		0.73		OK		14.11	
D12_b	STRINGERH	23.064	155+61.17			5.1458										
D12_b	GDR5	33	155+61.28		0.919	5.1458		5.088		4.5000		0.84		OK		7.06
D13	GDR1	-85.018	155+82.38													
D13	STRINGERA	-75.108	155+82.60	1.961		5.1458	8.091		6.5000		0.75		OK		19.10	
D13	STRINGERB	-65.335	155+82.82			5.1458										
D13	GDR2	-55.682	155+83.03		0.948	5.1458		6.762	6.5000	6.5000	0.88	0.88		OK	OK	3.15
D13	STRINGERC	-45.761	155+83.26	2.042		5.1458	5.669		4.5000		0.73		OK		14.02	
D13	STRINGERD	-35.952	155+83.48			5.1458										
D13	GDR3	-26.23	155+83.70		0.938	5.1458		5.036	4.5000	4.5000	0.84	0.84		OK	OK	6.43
D13	STRINGERE	-16.308	155+83.93	2.054		5.1458	3.919		3.0000		0.71		OK		11.03	
D13	STRINGERF	-6.465	155+84.16			5.1458										
D13	GDR4	3.332	155+84.39		0.929	5.1458		3.915	2.4583	2.4583	0.74	0.74		OK	OK	17.48
D13	STRINGERG	13.241	155+84.62	2.077		5.1458	2.767		2.4583		0.74		OK		3.71	
D13	STRINGERH	23.119	155+84.85			5.1458										
D13	GDR5	33	155+85.08		0.915	5.1458		3.439		2.4583		0.77		OK		11.77

<b>HNTB</b> <i>The HNTB Companies</i>	Made	<b>SJL</b>	Date	<b>6/5/2012</b>	Job Number	<b>49633</b>
	Checked	<b>DJG</b>	Date	<b>6/13/2012</b>		
	For	<b>Cleveland Innerbelt - Unit 2</b>	Backchk'd	<b>SJL</b>	Date	<b>6/18/2012</b>

\\kcow00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check[All\_diaphragms\_geometry\_2012-5-22.xlsm]Type G

**End Diaphragm - Type G**

Label	Group	Offset	Station	Top of Deck		Dist btwn Points (ft)	Elev Diff btwn Points (in)	Left Girder Web Height (ft)	Right Girder Web Height (ft)	(SD) <sub>F</sub> Final Deck Cross-slope G2-G5 (%)	Original Dist from top of slab to top of Girder Web (ft)	Optional Input			Actual Dist from top of slab to top of Girder Web (Left) (ft)	Actual Dist from top of slab to top of Girder Web (Right) (ft)	Slab Thickness (ft)
				Elevation	Elev Diff btwn Points (ft)							Δ in Bearing Height Elev. (ft)	Δ DY Left Girder (ft)	Δ DY Right Girder (ft)			
G1	End Diaph Pier 2	-55.724	126+96.57	701.033													
G1	End Diaph Pier 2	-45.169	126+97.80	701.132	-0.099	-1.19	G1-SA	10.555	8.000		1.2500	0.000	0.000		1.250		0.7500
G1	End Diaph Pier 2	-34.614	126+99.03	700.931	0.201	2.41	SA-G2	10.555	8.000	1.90	1.2500	0.000	0.000		1.250	1.250	0.7500
G1	End Diaph Pier 2	-23.337	127+00.35	700.716	0.215	2.58	G2-SC	11.277	8.000	1.91	1.2500	0.000	0.000		1.250		0.7500
G1	End Diaph Pier 2	-12.06	127+01.67	700.501	0.215	2.58	SC-G3	11.277	8.000	1.91	1.2500	0.000	0.000		1.250	1.250	0.7500
G1	End Diaph Pier 2	-0.791	127+03.00	700.287	0.214	2.57	G3-SE	11.269	8.000	1.90	1.2500	0.000	0.000		1.250		0.7500
G1	End Diaph Pier 2	10.478	127+04.33	700.072	0.215	2.58	SE-G4	11.269	8.000	1.91	1.2500	0.000	0.000		1.250	1.250	0.7500
G1	End Diaph Pier 2	21.739	127+05.66	699.858	0.214	2.57	G4-SG	11.261	8.000	1.90	1.2500	0.000	0.000		1.250		0.7500
G1	End Diaph Pier 2	33	127+06.99	699.644	0.214	2.57	SG-G5	11.261	8.000	1.90	1.2500	0.000	0.000		1.250	1.250	0.7500
G2	End Diaph Pier 11	-89.712	158+19.59	700													
G2	End Diaph Pier 11	-79.463	158+16.60	699.675	0.325	3.90	G1-SA	10.249	9.500		1.2500	0.000	0.000		1.250		0.7500
G2	End Diaph Pier 11	-69.226	158+13.59	699.28	0.395	4.74	SA-SB	10.237		3.86	1.2500	0.000					0.7500
G2	End Diaph Pier 11	-58.997	158+10.57	698.886	0.394	4.73	SB-G2	10.229	9.500	3.85	1.2500	0.000	0.000		1.250	1.250	0.7500
G2	End Diaph Pier 11	-48.76	158+07.53	698.492	0.394	4.73	G2-SC	10.237	9.500	3.85	1.2500	0.000	0.000		1.250		0.7500
G2	End Diaph Pier 11	-38.531	158+04.48	698.098	0.394	4.73	SC-SD	10.229		3.85	1.2500	0.000					0.7500
G2	End Diaph Pier 11	-28.307	158+01.41	697.704	0.394	4.73	SD-G3	10.224	9.500	3.85	1.2500	0.000	0.000		1.250	1.250	0.7500
G2	End Diaph Pier 11	-18.071	157+98.31	697.31	0.394	4.73	G3-SE	10.236	9.500	3.85	1.2500	0.000	0.000		1.250		0.7500
G2	End Diaph Pier 11	-7.85	157+95.20	696.917	0.393	4.72	SE-SF	10.221		3.85	1.2500	0.000					0.7500
G2	End Diaph Pier 11	2.359	157+92.08	696.524	0.393	4.72	SF-G4	10.209	9.500	3.85	1.2500	0.000	0.000		1.250	1.250	0.7500
G2	End Diaph Pier 11	12.583	157+88.93	696.131	0.393	4.72	G4-SG	10.224	9.500	3.84	1.2500	0.000	0.000		1.250		0.7500
G2	End Diaph Pier 11	22.796	157+85.76	695.738	0.393	4.72	SG-SH	10.213		3.85	1.2500	0.000					0.7500
G2	End Diaph Pier 11	33	157+82.58	695.346	0.392	4.70	SH-G5	10.204	9.500	3.84	1.2500	0.000	0.000		1.250	1.250	0.7500



