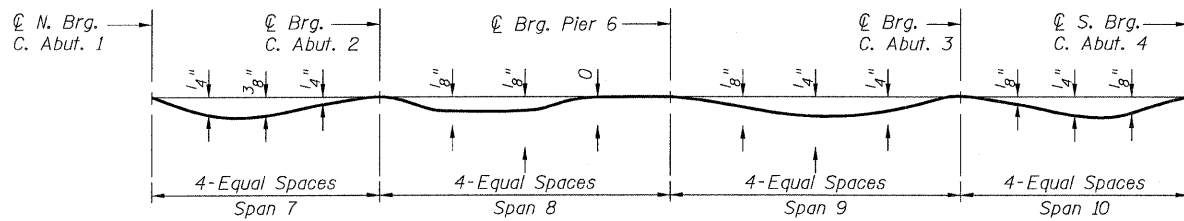


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GIRDER G1					N.B. CONST. JOINT				GIRDER G2					GIRDER G3					
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTIONS	LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTIONS	LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTIONS	LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTIONS
☉ C. Abut. 1	18+51.77	71.42	626.81	626.81	☉ C. Abut. 1	17+97.56	65.13	625.84	625.84	☉ C. Abut. 1	18+48.91	64.13	626.90	626.90	☉ C. Abut. 1	18+46.22	50.63	626.99	626.99
☉ N. Brg.	18+53.38	71.42	626.84	626.84	☉ N. Brg.	17+99.17	65.13	625.87	625.87	☉ N. Brg.	18+50.52	64.13	626.93	626.93	☉ N. Brg.	18+47.84	50.63	627.02	627.02
C. Abut. 1					C. Abut. 1					C. Abut. 1					C. Abut. 1				
A	18+63.38	71.42	627.01	627.02	A	18+09.17	65.13	626.09	626.09	A	18+60.52	64.13	627.11	627.11	A	18+57.84	50.63	627.20	627.22
B	18+73.38	71.42	627.18	627.20	B	18+19.17	65.13	626.30	626.30	B	18+70.52	64.13	627.28	627.28	B	18+67.84	50.63	627.37	627.41
C	18+83.38	71.42	627.34	627.37	C	18+29.17	65.13	626.50	626.50	C	18+80.52	64.13	627.44	627.44	C	18+77.84	50.63	627.53	627.58
D	18+93.38	71.42	627.49	627.52	D	18+39.17	65.13	626.70	626.70	D	18+90.52	64.13	627.59	627.59	D	18+87.84	50.63	627.69	627.73
E	19+03.38	71.42	627.63	627.65	E	18+49.17	65.13	626.88	626.88	E	19+00.52	64.13	627.74	627.74	E	18+97.84	50.63	627.84	627.87
F	19+13.38	71.42	627.77	627.78	F	18+59.17	65.13	627.06	627.06	F	19+10.52	64.13	627.88	627.88	F	19+07.84	50.63	627.98	627.99
☉ Brg.	19+26.82	71.42	627.94	627.94	☉ Brg.	18+72.61	65.13	627.29	627.29	☉ Brg.	19+23.95	64.13	628.05	628.05	☉ Brg.	19+21.27	50.63	628.15	628.15
C. Abut. 2					C. Abut. 2					C. Abut. 2					C. Abut. 2				
G	19+36.82	71.42	628.06	628.06	G	18+82.61	65.13	627.45	627.45	G	19+33.95	64.13	628.17	628.17	G	19+31.27	50.63	628.27	628.28
H	19+46.82	71.42	628.17	628.17	H	18+92.61	65.13	627.60	627.60	H	19+43.95	64.13	628.28	628.28	H	19+41.27	50.63	628.39	628.41
I	19+56.82	71.42	628.27	628.28	I	19+02.61	65.13	627.75	627.75	I	19+53.95	64.13	628.39	628.39	I	19+51.27	50.63	628.49	628.53
J	19+66.82	71.42	628.37	628.37	J	19+12.61	65.13	627.88	627.88	J	19+63.95	64.13	628.48	628.48	J	19+61.27	50.63	628.59	628.64
K	19+76.82	71.42	628.45	628.46	K	19+22.61	65.13	628.01	628.01	K	19+73.95	64.13	628.57	628.57	K	19+71.27	50.63	628.68	628.73
L	19+86.82	71.42	628.53	628.53	L	19+32.61	65.13	628.13	628.13	L	19+83.95	64.13	628.65	628.66	L	19+81.27	50.63	628.77	628.80
M	19+96.82	71.42	628.60	628.60	M	19+42.61	65.13	628.25	628.25	M	19+93.95	64.13	628.73	628.73	M	19+91.27	50.63	628.84	628.86
N	20+06.82	71.42	628.66	628.66	N	19+52.61	65.13	628.35	628.35	N	20+03.95	64.13	628.79	628.79	N	20+01.27	50.63	628.91	628.91
☉ Brg. Pier 6	20+14.77	71.42	628.71	628.71	☉ Brg. Pier 6	19+60.56	65.13	628.43	628.43	☉ Brg. Pier 6	20+11.91	64.13	628.84	628.84	☉ Brg. Pier 6	20+09.23	50.63	628.96	628.96
O	20+24.77	71.42	628.76	628.76	O	19+70.56	65.13	628.52	628.52	O	20+21.91	64.13	628.89	628.89	O	20+19.23	50.63	629.01	629.02
P	20+34.77	71.42	628.80	628.81	P	19+80.56	65.13	628.60	628.60	P	20+31.91	64.13	628.93	628.93	P	20+29.23	50.63	629.06	629.08
Q	20+44.77	71.42	628.83	628.85	Q	19+90.56	65.13	628.68	628.68	Q	20+41.91	64.13	628.97	628.97	Q	20+39.23	50.63	629.09	629.13
R	20+54.77	71.42	628.87	628.89	R	20+00.56	65.13	628.75	628.75	R	20+51.91	64.13	629.01	629.00	R	20+49.23	50.63	629.13	629.17
S	20+64.77	71.42	628.91	628.93	S	20+10.56	65.13	628.81	628.81	S	20+61.91	64.13	629.04	629.04	S	20+59.23	50.63	629.17	629.21
T	20+74.77	71.42	628.94	628.96	T	20+20.56	65.13	628.86	628.86	T	20+71.91	64.13	629.08	629.07	T	20+69.23	50.63	629.21	629.24
U	20+84.77	71.42	628.98	628.99	U	20+30.56	65.13	628.90	628.90	U	20+81.91	64.13	629.12	629.11	U	20+79.23	50.63	629.24	629.26
V	20+94.77	71.42	629.02	629.02	V	20+40.56	65.13	628.94	628.94	V	20+91.91	64.13	629.15	629.15	V	20+89.23	50.63	629.28	629.28
☉ Brg.	21+02.73	71.42	629.05	629.05	☉ Brg.	20+48.52	65.13	628.97	628.97	☉ Brg.	20+99.87	64.13	629.18	629.18	☉ Brg.	20+97.19	50.63	629.31	629.31
C. Abut. 3					C. Abut. 3					C. Abut. 3					C. Abut. 3				
W	21+12.73	71.42	629.09	629.09	W	20+58.52	65.13	629.01	629.02	W	21+09.87	64.13	629.22	629.22	W	21+07.19	50.63	629.35	629.35
X	21+22.73	71.42	629.12	629.13	X	20+68.52	65.13	629.05	629.06	X	21+19.87	64.13	629.26	629.26	X	21+17.19	50.63	629.38	629.41
Y	21+32.73	71.42	629.16	629.18	Y	20+78.52	65.13	629.08	629.09	Y	21+29.87	64.13	629.29	629.30	Y	21+27.19	50.63	629.42	629.46
Z	21+42.73	71.42	629.20	629.21	Z	20+88.52	65.13	629.12	629.13	Z	21+39.87	64.13	629.33	629.34	Z	21+37.19	50.63	629.46	629.50
A1	21+52.73	71.42	629.23	629.25	A1	20+98.52	65.13	629.16	629.17	A1	21+49.87	64.13	629.37	629.38	A1	21+47.19	50.63	629.49	629.54
B1	21+62.73	71.42	629.26	629.27	B1	21+08.52	65.13	629.19	629.20	B1	21+59.87	64.13	629.40	629.41	B1	21+57.19	50.63	629.53	629.56
☉ S. Brg.	21+76.16	71.42	629.30	629.30	☉ S. Brg.	21+21.95	65.13	629.24	629.24	☉ S. Brg.	21+73.30	64.13	629.44	629.44	☉ S. Brg.	21+70.62	50.63	629.57	629.57
C. Abut. 4					C. Abut. 4					C. Abut. 4					C. Abut. 4				
☉ C. Abut. 4	21+77.78	71.42	629.31	629.31	☉ C. Abut. 4	21+23.57	65.13	629.25	629.25	☉ C. Abut. 4	21+74.91	64.13	629.44	629.44	☉ C. Abut. 4	21+72.23	50.63	629.57	629.57



DEAD LOAD DEFLECTION DIAGRAM (EXTERIOR GIRDER G1)

(Includes weight of concrete only)
(Girder G22 Opposite Hand)

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown above.

TOP OF SLAB ELEV. - 1
CENTRAL / I-55
STRUCTURE NO. 016-0724

TYLIN INTERNATIONAL	DESIGNED - JF, EKH	REVISIONS		SHEET NO. 21	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - AMD,	NAME	DATE		55				
	DRAWN - JPM, EKH								
	CHECKED - AMD,								
	DATE - 03/25/2011			239 SHEETS	CONTRACT NO. 60999		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

4/28/2011 11:25:28 AM