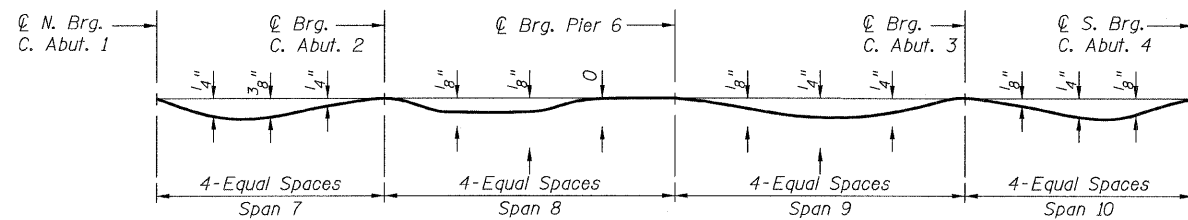


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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	628.36	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	629.13	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**

<b>TYLIN INTERNATIONAL</b>	DESIGNED - JF, EKH	REVISIONS		SHEET NO. 15	F.A.I. RTE. 55	SECTION 0711.2R & 1011.1BR	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 45
	CHECKED - AMD,	NAME	DATE						
	DRAWN - JPM, EKH								
	CHECKED - AMD,								
DATE - 08/02/10				137 SHEETS	CONTRACT NO. 60L39				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT									