

GIRDER 4E - SPANS 1 & 2

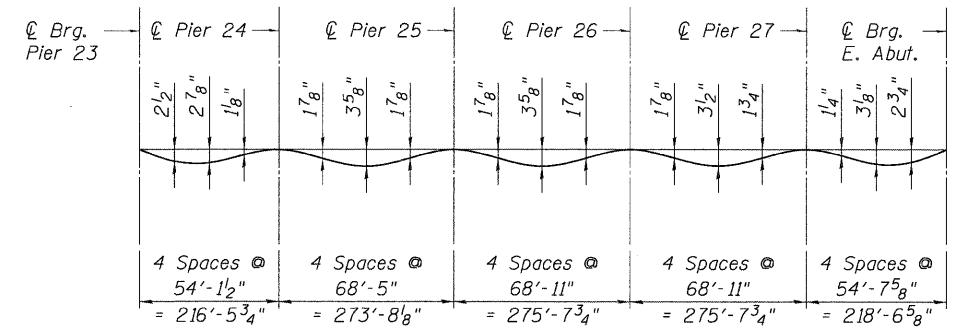
Location	Station	Offset From EB 1-70 P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflections
☉ Brg P23	127+83.10	22.83	464.47	464.47
AA	127+93.26	22.83	464.42	464.46
AB	128+03.42	22.83	464.37	464.46
AC	128+13.58	22.83	464.31	464.45
AD	128+23.73	22.83	464.26	464.43
AE	128+33.89	22.83	464.21	464.41
AF	128+44.05	22.83	464.16	464.39
AG	128+54.21	22.83	464.11	464.35
AH	128+64.36	22.83	464.06	464.31
AI	128+74.52	22.83	464.01	464.26
AJ	128+84.68	22.83	463.96	464.20
AK	128+94.84	22.83	463.91	464.14
AL	129+05.00	22.83	463.86	464.07
AM	129+15.15	22.83	463.81	464.00
AN	129+25.31	22.83	463.76	463.92
AO	129+35.47	22.83	463.71	463.84
AP	129+45.63	22.83	463.65	463.76
AQ	129+55.79	22.83	463.60	463.68
AR	129+65.94	22.83	463.55	463.60
AS	129+76.10	22.83	463.50	463.53
AT	129+86.26	22.83	463.45	463.46
AU	129+96.42	22.83	463.40	463.41
☉ Pier 24	130+03.00	22.83	463.37	463.37
AV	130+13.16	22.83	463.32	463.33
AW	130+23.32	22.83	463.27	463.29
AX	130+33.47	22.83	463.22	463.26
AY	130+43.63	22.83	463.16	463.23
AZ	130+53.79	22.83	463.11	463.21
BA	130+63.95	22.83	463.06	463.19
BB	130+74.10	22.83	463.01	463.18
BC	130+84.26	22.83	462.96	463.16
BD	130+94.42	22.83	462.91	463.14
BE	131+04.58	22.83	462.86	463.11
BF	131+14.74	22.83	462.81	463.08
BG	131+24.89	22.83	462.76	463.04
BH	131+35.05	22.83	462.71	463.00
BI	131+45.21	22.83	462.66	462.95
BJ	131+55.37	22.83	462.61	462.89
BK	131+65.52	22.83	462.55	462.83
BL	131+75.68	22.83	462.50	462.76
BM	131+85.84	22.83	462.45	462.68
BN	131+96.00	22.83	462.40	462.60
BO	132+06.16	22.83	462.35	462.52
BP	132+16.31	22.83	462.29	462.43
BQ	132+26.47	22.83	462.23	462.33
BR	132+36.63	22.83	462.16	462.23
BS	132+46.79	22.83	462.08	462.13
BT	132+56.95	22.83	462.00	462.03
BU	132+67.10	22.83	461.92	461.93
BV				

GIRDER 4E - SPANS 3 & 4

Location	Station	Offset From EB 1-70 P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflections
☉ Pier 25	132+81.00	22.83	461.79	461.79
BW	132+91.16	22.83	461.70	461.71
BX	133+01.32	22.83	461.59	461.62
BY	133+11.47	22.83	461.49	461.52
BZ	133+21.63	22.83	461.37	461.44
CA	133+31.79	22.83	461.26	461.35
CB	133+41.95	22.83	461.13	461.26
CC	133+52.10	22.83	461.00	461.16
CD	133+62.26	22.83	460.87	461.06
CE	133+72.42	22.83	460.73	460.95
CF	133+82.58	22.83	460.59	460.83
CG	133+92.74	22.83	460.44	460.71
CH	134+02.89	22.83	460.29	460.57
CI	134+13.05	22.83	460.13	460.42
CJ	134+23.21	22.83	459.96	460.26
CK	134+33.37	22.83	459.79	460.08
CL	134+43.52	22.83	459.62	459.90
CM	134+53.68	22.83	459.44	459.70
CN	134+63.84	22.83	459.26	459.49
CO	134+74.00	22.83	459.07	459.27
CP	134+84.16	22.83	458.87	459.05
CQ	134+94.31	22.83	458.67	458.81
CR	135+04.47	22.83	458.47	458.58
CS	135+14.63	22.83	458.25	458.34
CT	135+24.79	22.83	458.04	458.09
CU	135+34.95	22.83	457.82	457.85
CV	135+45.10	22.83	457.59	457.61
CW	135+55.26	22.83	457.36	457.37
CX				
☉ Pier 26	135+61.00	22.83	457.23	457.23
CY	135+71.16	22.83	456.99	457.00
CZ	135+81.32	22.83	456.74	456.77
DA	135+91.47	22.83	456.49	456.53
DB	136+01.63	22.83	456.24	456.30
DC	136+11.79	22.83	455.98	456.07
DD	136+21.95	22.83	455.72	455.84
DE	136+32.10	22.83	455.44	455.60
DF	136+42.26	22.83	455.17	455.36
DG	136+52.42	22.83	454.89	455.10
DH	136+62.58	22.83	454.60	454.84
DI	136+72.74	22.83	454.31	454.58
DJ	136+82.89	22.83	454.02	454.29
DK	136+93.05	22.83	453.72	454.00
DL	137+03.21	22.83	453.41	453.70
DM	137+13.37	22.83	453.11	453.38
DN	137+23.52	22.83	452.80	453.07
DO	137+33.68	22.83	452.50	452.75
DP	137+43.84	22.83	452.19	452.42
DQ	137+54.00	22.83	451.89	452.09
DR	137+64.16	22.83	451.58	451.75
DS	137+74.31	22.83	451.28	451.41
DT	137+84.47	22.83	450.97	451.08
DU	137+94.63	22.83	450.67	450.75
DV	138+04.79	22.83	450.36	450.41
DW	138+14.95	22.83	450.06	450.08
DX	138+25.10	22.83	449.75	449.77
DY	138+35.26	22.83	449.45	449.45
DZ				

GIRDER 4E - SPAN 5

Location	Station	Offset From EB 1-70 P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflections
☉ Pier 27	138+41.00	22.83	449.28	449.28
EA	138+51.16	22.83	448.97	448.98
EB	138+61.32	22.83	448.67	448.69
EC	138+71.47	22.83	448.36	448.40
ED	138+81.63	22.83	448.06	448.12
EE	138+91.79	22.83	447.75	447.85
EF	139+01.95	22.83	447.45	447.57
EG	139+12.10	22.83	447.14	447.30
EH	139+22.26	22.83	446.84	447.02
EI	139+32.42	22.83	446.53	446.75
EJ	139+42.58	22.83	446.23	446.47
EK	139+52.74	22.83	445.92	446.18
EL	139+62.89	22.83	445.62	445.89
EM	139+73.05	22.83	445.32	445.59
EN	139+83.21	22.83	445.01	445.28
EO	139+93.37	22.83	444.71	444.96
EP	140+03.52	22.83	444.40	444.64
EQ	140+13.68	22.83	444.10	444.31
ER	140+23.84	22.83	443.79	443.97
ES	140+34.00	22.83	443.49	443.62
ET	140+44.16	22.83	443.18	443.27
EU	140+54.31	22.83	442.88	442.92
EV				
☉ Brg Abut	140+63.00	22.83	442.62	442.62



DEAD LOAD DEFLECTION DIAGRAM - GIRDER 4E

(Includes weight of concrete only.)

NOTES:

1. Work this sheet with Sheets S-6 through S-21.
2. 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 on this sheet.

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 BONDHUJO

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - JLR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION I-70 CONNECTION OVER NS, TRRA, MCT AND INDUSTRIAL DR.				TOP OF SLAB ELEVATIONS 5 OF 13				F.A.P. RTE. 998	SECTION 82-2-1HVB	COUNTY ST. CLAIR	TOTAL SHEETS 285	SHEET NO. 123
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = #SCALE#	DRAWN - JLR	REVISED -									SCALE:	SHEET NO. S-13 OF S-111	STA. 134+22.00 TO STA.	SN 082-0318 (EB) & 0319 (WB)	CONTRACT NO. 76C44
	PLOT DATE = #DATE#	CHECKED - TCU	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								