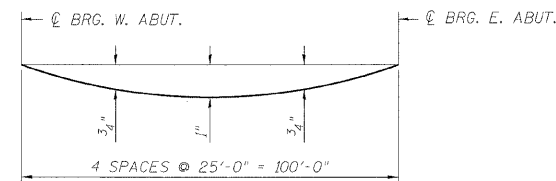


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

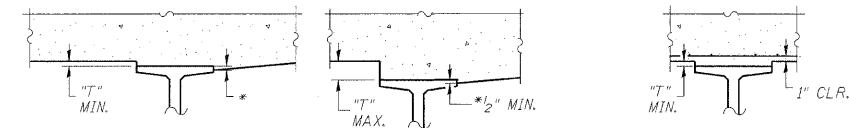
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3 SHEETS 19
F.A.P. 17	101BR-4	OGLE	60	20	
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT		

Contract # 64D11



**DEAD LOAD DEFLECTION DIAGRAM**  
(INCLUDES WEIGHT OF CONCRETE ONLY.)

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 BELOW.



\* VARIABLE (NOT LESS THAN 1/2")  
AT MINIMUM FILLET      AT MAXIMUM FILLET

**EXTERIOR BEAMS      INTERIOR BEAMS**  
**METHOD OF DETERMINING FILLET HEIGHTS "T"**

AFTER ALL BEAMS HAVE BEEN ERECTED, ELEVATIONS OF THE TOP FLANGES OF THE BEAMS SHALL BE TAKEN AT THE INTERVALS SHOWN ON THE PLANS. THESE ELEVATIONS SUBTRACTED FROM THE "THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION" SHOWN ON THE PLANS, MINUS SLAB THICKNESS EQUALS THE FILLET HEIGHTS "T" ABOVE TOP FLANGE OF BEAMS.

**CL BRIDGE / SURVEY**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	124+39.40	0.00	790.78	790.78
CL BRG. W. ABUT.	124+41.00	0.00	790.81	790.81
A	124+51.00	0.00	791.02	791.02
B	124+61.00	0.00	791.23	791.23
C	124+71.00	0.00	791.45	791.45
D	124+81.00	0.00	791.68	791.68
E	124+91.00	0.00	791.91	791.91
F	125+01.00	0.00	792.15	792.15
G	125+11.00	0.00	792.40	792.40
H	125+21.00	0.00	792.65	792.65
I	125+31.00	0.00	792.91	792.91
CL BRG. E. ABUT.	125+41.00	0.00	793.18	793.18
BK. E. ABUT.	125+42.60	0.00	793.23	793.23

**BEAM 4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	124+40.50	3.00	790.76	790.76
CL BRG. W. ABUT.	124+42.09	3.00	790.79	790.79
A	124+52.09	3.00	791.00	791.03
B	124+62.09	3.00	791.21	791.26
C	124+72.09	3.00	791.43	791.50
D	124+82.09	3.00	791.65	791.73
E	124+92.09	3.00	791.89	791.97
F	125+02.09	3.00	792.13	792.21
G	125+12.09	3.00	792.38	792.45
H	125+22.09	3.00	792.63	792.69
I	125+32.09	3.00	792.90	792.93
CL BRG. E. ABUT.	125+42.09	3.00	793.17	793.17
BK. E. ABUT.	125+43.69	3.00	793.21	793.21

**BEAM 5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	124+42.68	9.00	790.71	790.71
CL BRG. W. ABUT.	124+44.28	9.00	790.74	790.74
A	124+54.28	9.00	790.95	790.98
B	124+64.28	9.00	791.16	791.22
C	124+74.28	9.00	791.38	791.45
D	124+84.28	9.00	791.61	791.69
E	124+94.28	9.00	791.84	791.93
F	125+04.28	9.00	792.09	792.17
G	125+14.28	9.00	792.34	792.41
H	125+24.28	9.00	792.59	792.65
I	125+34.28	9.00	792.86	792.89
CL BRG. E. ABUT.	125+44.28	9.00	793.13	793.13
BK. E. ABUT.	125+45.88	9.00	793.18	793.18

**BEAM 6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	124+44.86	15.00	790.64	790.64
CL BRG. W. ABUT.	124+46.46	15.00	790.68	790.68
A	124+56.46	15.00	790.89	790.91
B	124+66.46	15.00	791.10	791.15
C	124+76.46	15.00	791.32	791.39
D	124+86.46	15.00	791.55	791.62
E	124+96.46	15.00	791.79	791.86
F	125+06.46	15.00	792.03	792.10
G	125+16.46	15.00	792.28	792.35
H	125+26.46	15.00	792.54	792.59
I	125+36.46	15.00	792.81	792.84
CL BRG. E. ABUT.	125+46.46	15.00	793.08	793.08
BK. E. ABUT.	125+48.06	15.00	793.13	793.13

DESIGNED	WSP
CHECKED	ASP
DRAWN	BEM
CHECKED	ASP

**TOP OF SLAB ELEVATIONS**  
**IL 64 OVER FIVE MILE CREEK**  
**F.A.P. RT. 17 SECTION 101BR-4**  
**OGLE COUNTY**  
**STATION 124+91.00**  
**STRUCTURE NO. 071-0095**

**DLZ** 85 W. Algonquin Rd. Ste. 220  
Arlington Heights IL 60005  
DLZ Illinois, Inc.