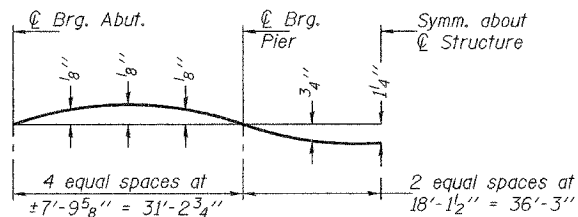


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

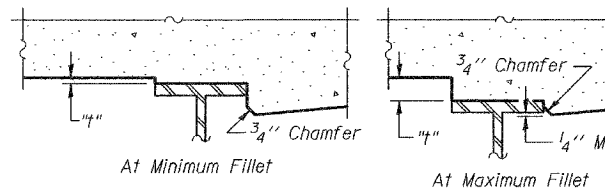
ROUTE NO. F.A.P. 669	SECTION 11BR-1	COUNTY TAZEWELL	STATION 442	SHEET NO. 215
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 6
32 SHEETS
Contract #88804



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.



To determine "I": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "I" above top flange of beams.

FILLET HEIGHTS

BEAM 1					BEAM 2					BEAM 3					BEAM 4				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK North Abut	30111.95	-40.83	459.49	459.49	BK North Abut	30112.98	-35.00	459.61	459.61	BK North Abut	30114.01	-29.16	459.73	459.73	BK North Abut	30115.04	-23.33	459.85	459.85
North Abut	30113.22	-40.83	459.50	459.50	North Abut	30114.25	-35.00	459.61	459.61	North Abut	30115.28	-29.16	459.73	459.73	North Abut	30116.31	-23.33	459.85	459.85
A	30123.22	-40.83	459.52	459.52	A	30124.25	-35.00	459.64	459.64	A	30125.28	-29.16	459.76	459.76	A	30126.31	-23.33	459.88	459.87
B	30133.22	-40.83	459.55	459.54	B	30134.25	-35.00	459.67	459.66	B	30135.28	-29.16	459.79	459.78	B	30136.31	-23.33	459.90	459.89
Pier 1	30144.45	-40.83	459.57	459.57	Pier 1	30145.48	-35.00	459.69	459.69	Pier 1	30146.51	-29.16	459.81	459.81	Pier 1	30147.54	-23.33	459.93	459.93
C	30154.45	-40.83	459.59	459.63	C	30155.48	-35.00	459.71	459.74	C	30156.51	-29.16	459.83	459.86	C	30157.54	-23.33	459.94	459.98
D	30164.45	-40.83	459.60	459.67	D	30165.48	-35.00	459.72	459.79	D	30166.51	-29.16	459.84	459.91	D	30167.54	-23.33	459.96	460.02
E	30174.45	-40.83	459.61	459.70	E	30175.48	-35.00	459.73	459.82	E	30176.51	-29.16	459.85	459.94	E	30177.54	-23.33	459.96	460.05
F	30184.45	-40.83	459.62	459.71	F	30185.48	-35.00	459.73	459.83	F	30186.51	-29.16	459.85	459.95	F	30187.54	-23.33	459.97	460.06
G	30194.45	-40.83	459.62	459.69	G	30195.48	-35.00	459.74	459.81	G	30196.51	-29.16	459.85	459.92	G	30197.54	-23.33	459.97	460.04
H	30204.45	-40.83	459.62	459.66	H	30205.48	-35.00	459.73	459.77	H	30206.51	-29.16	459.85	459.89	H	30207.54	-23.33	459.96	460.01
Pier 2	30216.95	-40.83	459.61	459.61	Pier 2	30217.98	-35.00	459.72	459.72	Pier 2	30219.01	-29.16	459.84	459.84	Pier 2	30220.04	-23.33	459.95	459.95
I	30226.95	-40.83	459.59	459.58	I	30227.98	-35.00	459.71	459.70	I	30229.01	-29.16	459.82	459.81	I	30230.04	-23.33	459.94	459.93
J	30236.95	-40.83	459.58	459.57	J	30237.98	-35.00	459.69	459.68	J	30239.01	-29.16	459.81	459.80	J	30240.04	-23.33	459.92	459.91
South Abut	30248.18	-40.83	459.56	459.56	South Abut	30249.21	-35.00	459.67	459.67	South Abut	30250.24	-29.16	459.78	459.78	South Abut	30251.27	-23.33	459.90	459.90
BK South Abut	30249.45	-40.83	459.55	459.55	BK South Abut	30250.48	-35.00	459.67	459.67	BK South Abut	30251.51	-29.16	459.78	459.78	BK South Abut	30252.54	-23.33	459.89	459.89

BEAM 5					BEAM 6					BEAM 7					STAGE CONST. JOINT				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK North Abut	30116.06	-17.50	459.97	459.97	BK North Abut	30117.09	-11.66	460.09	460.09	BK North Abut	30118.12	-5.83	460.20	460.20	BK North Abut	30118.64	-2.91	460.26	460.26
North Abut	30117.34	-17.50	459.97	459.97	North Abut	30118.36	-11.66	460.09	460.09	North Abut	30119.39	-5.83	460.21	460.21	North Abut	30119.91	-2.91	460.27	460.27
A	30127.34	-17.50	460.00	459.99	A	30128.36	-11.66	460.12	460.11	A	30129.39	-5.83	460.24	460.23	A	30129.91	-2.91	460.29	460.29
B	30137.34	-17.50	460.02	460.01	B	30138.36	-11.66	460.14	460.13	B	30139.39	-5.83	460.26	460.25	B	30139.91	-2.91	460.32	460.31
Pier 1	30148.56	-17.50	460.05	460.05	Pier 1	30149.59	-11.66	460.16	460.16	Pier 1	30150.62	-5.83	460.28	460.28	Pier 1	30151.14	-2.91	460.34	460.34
C	30158.56	-17.50	460.06	460.10	C	30159.59	-11.66	460.18	460.21	C	30160.62	-5.83	460.29	460.33	C	30161.14	-2.91	460.35	460.39
D	30168.56	-17.50	460.07	460.14	D	30169.59	-11.66	460.19	460.26	D	30170.62	-5.83	460.31	460.37	D	30171.14	-2.91	460.36	460.43
E	30178.56	-17.50	460.08	460.17	E	30179.59	-11.66	460.20	460.29	E	30180.62	-5.83	460.31	460.40	E	30181.14	-2.91	460.37	460.46
F	30188.56	-17.50	460.08	460.18	F	30189.59	-11.66	460.20	460.29	F	30190.62	-5.83	460.31	460.41	F	30191.14	-2.91	460.37	460.47
G	30198.56	-17.50	460.08	460.15	G	30199.59	-11.66	460.20	460.27	G	30200.62	-5.83	460.31	460.39	G	30201.14	-2.91	460.37	460.44
H	30208.56	-17.50	460.08	460.12	H	30209.59	-11.66	460.19	460.24	H	30210.62	-5.83	460.31	460.35	H	30211.14	-2.91	460.36	460.41
Pier 2	30221.06	-17.50	460.07	460.07	Pier 2	30222.09	-11.66	460.18	460.18	Pier 2	30223.12	-5.83	460.29	460.29	Pier 2	30223.64	-2.91	460.35	460.35
I	30231.06	-17.50	460.05	460.04	I	30232.09	-11.66	460.17	460.16	I	30233.12	-5.83	460.28	460.27	I	30233.64	-2.91	460.34	460.33
J	30241.06	-17.50	460.03	460.03	J	30242.09	-11.66	460.15	460.14	J	30243.12	-5.83	460.26	460.25	J	30243.64	-2.91	460.32	460.31
South Abut	30252.29	-17.50	460.01	460.01	South Abut	30253.32	-11.66	460.12	460.12	South Abut	30254.35	-5.83	460.23	460.23	South Abut	30254.86	-2.91	460.29	460.29
BK South Abut	30253.56	-17.50	460.01	460.01	BK South Abut	30254.59	-11.66	460.12	460.12	BK South Abut	30255.62	-5.83	460.23	460.23	BK South Abut	30256.14	-2.91	460.29	460.29

DESIGNED	T.L.K.
CHECKED	A.M.J.
DRAWN	BECKY M. LEACH
CHECKED	A.M.J. & P.E.C.

EXAMINED	Thomas J. Damagala	May 10, 2006
PASSED	Rolab E. Anderson	

TOP OF SLAB ELEVATIONS
F.A.P. ROUTE 669 - SECTION 11BR-1
TAZEWELL COUNTY
STATION 301+87.90
STRUCTURE NO. 090-0172