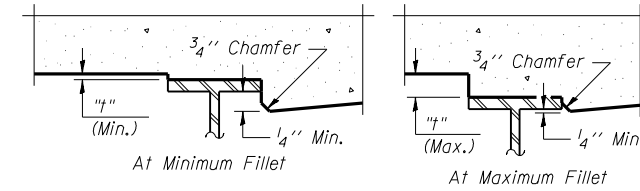


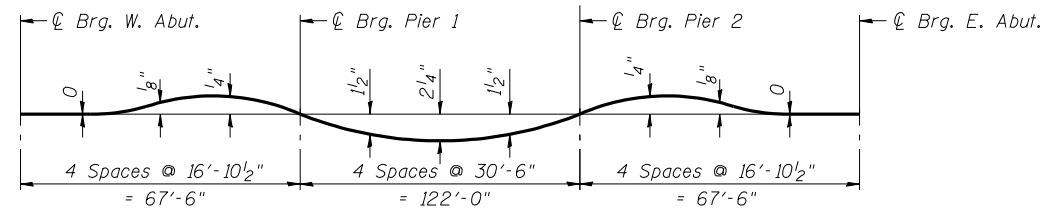
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 717	101B-1	LOGAN	49	21
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 5
23 SHEETS

Contract #72A04



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 on this sheet and sheet 6 of 23.

All elevations and offsets are in feet.

To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders 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 "t" above top flange of girders.

FILLET HEIGHTS

GIRDER 1					GIRDER 2					GIRDER 3					CL ROADWAY & P.G.L.				
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 W Abut	25346.16	-15.000	530.092	530.092	Bk W Abut	25346.16	-9.000	530.201	530.201	Bk W Abut	25346.16	-3.000	530.295	530.295	Bk W Abut	25346.16	0.000	530.342	530.342
CL Brg W Abut	25347.41	-15.000	530.098	530.098	CL Brg W Abut	25347.41	-9.000	530.207	530.207	CL Brg W Abut	25347.41	-3.000	530.301	530.301	CL Brg W Abut	25347.41	0.000	530.348	530.348
A	25357.41	-15.000	530.143	530.144	A	25357.41	-9.000	530.252	530.253	A	25357.41	-3.000	530.346	530.347	A	25357.41	0.000	530.393	530.394
B	25367.41	-15.000	530.188	530.187	B	25367.41	-9.000	530.297	530.297	B	25367.41	-3.000	530.391	530.391	B	25367.41	0.000	530.438	530.437
C	25377.41	-15.000	530.233	530.226	C	25377.41	-9.000	530.342	530.335	C	25377.41	-3.000	530.436	530.429	C	25377.41	0.000	530.483	530.476
D	25387.41	-15.000	530.278	530.263	D	25387.41	-9.000	530.387	530.372	D	25387.41	-3.000	530.481	530.466	D	25387.41	0.000	530.528	530.513
E	25397.41	-15.000	530.323	530.303	E	25397.41	-9.000	530.432	530.412	E	25397.41	-3.000	530.526	530.506	E	25397.41	0.000	530.573	530.553
F	25407.41	-15.000	530.366	530.352	F	25407.41	-9.000	530.476	530.462	F	25407.41	-3.000	530.570	530.556	F	25407.41	0.000	530.616	530.602
CL Brg Pier 1	25414.91	-15.000	530.396	530.396	CL Brg Pier 1	25414.91	-9.000	530.505	530.505	CL Brg Pier 1	25414.91	-3.000	530.599	530.599	CL Brg Pier 1	25414.91	0.000	530.646	530.646
G	25424.91	-15.000	530.430	530.466	G	25424.91	-9.000	530.539	530.576	G	25424.91	-3.000	530.633	530.670	G	25424.91	0.000	530.680	530.716
H	25434.91	-15.000	530.457	530.540	H	25434.91	-9.000	530.567	530.649	H	25434.91	-3.000	530.661	530.743	H	25434.91	0.000	530.707	530.790
I	25444.91	-15.000	530.479	530.608	I	25444.91	-9.000	530.589	530.718	I	25444.91	-3.000	530.682	530.812	I	25444.91	0.000	530.729	530.858
J	25454.91	-15.000	530.495	530.665	J	25454.91	-9.000	530.604	530.774	J	25454.91	-3.000	530.698	530.868	J	25454.91	0.000	530.745	530.915
K	25464.91	-15.000	530.505	530.704	K	25464.91	-9.000	530.614	530.814	K	25464.91	-3.000	530.708	530.907	K	25464.91	0.000	530.755	530.954
L	25474.91	-15.000	530.509	530.719	L	25474.91	-9.000	530.618	530.829	L	25474.91	-3.000	530.712	530.922	L	25474.91	0.000	530.759	530.969
M	25484.91	-15.000	530.507	530.708	M	25484.91	-9.000	530.616	530.817	M	25484.91	-3.000	530.710	530.911	M	25484.91	0.000	530.757	530.958
N	25494.91	-15.000	530.498	530.675	N	25494.91	-9.000	530.608	530.784	N	25494.91	-3.000	530.701	530.878	N	25494.91	0.000	530.748	530.925
O	25504.91	-15.000	530.484	530.622	O	25504.91	-9.000	530.594	530.732	O	25504.91	-3.000	530.687	530.826	O	25504.91	0.000	530.734	530.872
P	25514.91	-15.000	530.464	530.556	P	25514.91	-9.000	530.573	530.666	P	25514.91	-3.000	530.667	530.759	P	25514.91	0.000	530.714	530.806
Q	25524.91	-15.000	530.438	530.482	Q	25524.91	-9.000	530.547	530.591	Q	25524.91	-3.000	530.641	530.685	Q	25524.91	0.000	530.688	530.732
CL Brg Pier 2	25536.91	-15.000	530.399	530.399	CL Brg Pier 2	25536.91	-9.000	530.508	530.508	CL Brg Pier 2	25536.91	-3.000	530.602	530.602	CL Brg Pier 2	25536.91	0.000	530.649	530.649
R	25546.91	-15.000	530.359	530.343	R	25546.91	-9.000	530.469	530.452	R	25546.91	-3.000	530.562	530.546	R	25546.91	0.000	530.609	530.593
S	25556.91	-15.000	530.314	530.294	S	25556.91	-9.000	530.423	530.404	S	25556.91	-3.000	530.517	530.497	S	25556.91	0.000	530.564	530.544
T	25566.91	-15.000	530.262	530.250	T	25566.91	-9.000	530.372	530.359	T	25566.91	-3.000	530.466	530.453	T	25566.91	0.000	530.512	530.500
U	25576.91	-15.000	530.205	530.201	U	25576.91	-9.000	530.314	530.310	U	25576.91	-3.000	530.408	530.404	U	25576.91	0.000	530.455	530.451
V	25586.91	-15.000	530.142	530.142	V	25586.91	-9.000	530.251	530.252	V	25586.91	-3.000	530.345	530.345	V	25586.91	0.000	530.392	530.392
W	25596.91	-15.000	530.072	530.074	W	25596.91	-9.000	530.182	530.183	W	25596.91	-3.000	530.275	530.277	W	25596.91	0.000	530.322	530.324
CL Brg E Abut	25604.41	-15.000	530.017	530.017	CL Brg E Abut	25604.41	-9.000	530.126	530.126	CL Brg E Abut	25604.41	-3.000	530.220	530.220	CL Brg E Abut	25604.41	0.000	530.267	530.267
Bk E Abut	25605.66	-15.000	530.007	530.007	Bk E Abut	25605.66	-9.000	530.117	530.117	Bk E Abut	25605.66	-3.000	530.210	530.210	Bk E Abut	25605.66	0.000	530.257	530.257

Note: For Elevation Location Plan see sheet 6 of 23.

DESIGNED	D.J.T. & S.D.S.
CHECKED	J.J.P. & S.D.S.
DRAWN	L.M.G. & D.L.H.
CHECKED	D.J.T. & S.D.S.

WHKS & CO.
ENGINEERS PLANNERS LAND SURVEYORS
MASON CITY, IOWA DUBUQUE, IOWA AMES, IOWA
E. DUBUQUE, ILLINOIS SPRINGFIELD, ILLINOIS ROCHESTER, MINNESOTA

E-S

10-22-04

TOP OF SLAB ELEVATIONS
IL ROUTE 10 OVER PRAIRIE CREEK
F.A.P. ROUTE 717 - SECTION 101B-1
LOGAN COUNTY
STATION 254+75.91
STRUCTURE NO. 054-0507