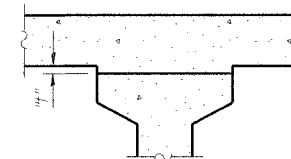


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	(X1-6-2)HBK	Williamson	272	140
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract # 98994

To determine "t": After all precast prestressed beams have 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 Deflections" shown below, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS

BEAM 1					BEAM 2					BEAM 3					ROADWAY AND PROFILE GRADE				
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.	32+89.28	-13.333	491.548	491.548	BK. W. ABUT.	32+87.37	-7.083	491.621	491.621	BK. W. ABUT.	32+85.46	-0.833	491.694	491.694	BK. W. ABUT.	32+85.21	0.000	491.703	491.703
Q BRG W ABUT	32+90.58	-13.333	491.564	491.564	Q BRG W ABUT	32+88.67	-7.083	491.638	491.638	Q BRG W ABUT	32+86.77	-0.833	491.711	491.711	Q BRG W ABUT	32+86.51	0.000	491.720	491.720
A	33+00.58	-13.333	491.689	491.717	A	32+98.67	-7.083	491.764	491.791	A	32+96.77	-0.833	491.838	491.865	A	32+96.51	0.000	491.848	491.875
B	33+10.58	-13.333	491.810	491.860	B	33+08.67	-7.083	491.885	491.935	B	33+06.77	-0.833	491.960	492.010	B	33+06.51	0.000	491.970	492.020
C	33+20.58	-13.333	491.925	491.992	C	33+18.67	-7.083	492.001	492.068	C	33+16.77	-0.833	492.077	492.144	C	33+16.51	0.000	492.087	492.154
D	33+30.58	-13.333	492.035	492.110	D	33+28.67	-7.083	492.112	492.187	D	33+26.77	-0.833	492.189	492.264	D	33+26.51	0.000	492.199	492.274
E	33+40.58	-13.333	492.140	492.214	E	33+38.67	-7.083	492.218	492.292	E	33+36.77	-0.833	492.296	492.370	E	33+36.51	0.000	492.306	492.380
F	33+50.58	-13.333	492.240	492.304	F	33+48.67	-7.083	492.319	492.382	F	33+46.77	-0.833	492.398	492.461	F	33+46.51	0.000	492.408	492.471
G	33+60.58	-13.333	492.340	492.385	G	33+58.67	-7.083	492.419	492.464	G	33+56.77	-0.833	492.498	492.543	G	33+56.51	0.000	492.508	492.553
H	33+70.58	-13.333	492.440	492.462	H	33+68.67	-7.083	492.519	492.541	H	33+66.77	-0.833	492.598	492.619	H	33+66.51	0.000	492.608	492.630
W. Q BRG. PIER 1	33+78.86	-13.333	492.523	492.523	W. Q BRG. PIER 1	33+76.96	-7.083	492.602	492.602	W. Q BRG. PIER 1	33+75.05	-0.833	492.680	492.680	W. Q BRG. PIER 1	33+74.79	0.000	492.691	492.691
Q PIER 1	33+79.61	-13.333	492.531	492.531	Q PIER 1	33+77.71	-7.083	492.609	492.609	Q PIER 1	33+75.80	-0.833	492.688	492.688	Q PIER 1	33+75.54	0.000	492.698	492.698
E. Q BRG. PIER 1	33+80.36	-13.333	492.538	492.538	E. Q BRG. PIER 1	33+78.46	-7.083	492.617	492.617	E. Q BRG. PIER 1	33+76.55	-0.833	492.695	492.695	E. Q BRG. PIER 1	33+76.29	0.000	492.706	492.706
I	33+90.36	-13.333	492.638	492.667	I	33+88.46	-7.083	492.717	492.745	I	33+86.55	-0.833	492.795	492.824	I	33+86.29	0.000	492.806	492.834
J	34+00.36	-13.333	492.738	492.792	J	33+98.46	-7.083	492.817	492.870	J	33+96.55	-0.833	492.895	492.949	J	33+96.29	0.000	492.906	492.959
K	34+10.36	-13.333	492.838	492.911	K	34+08.46	-7.083	492.917	492.989	K	34+06.55	-0.833	492.995	493.068	K	34+06.29	0.000	493.006	493.078
L	34+20.36	-13.333	492.939	493.022	L	34+18.46	-7.083	493.018	493.101	L	34+16.55	-0.833	493.095	493.179	L	34+16.29	0.000	493.106	493.189
M	34+30.36	-13.333	493.027	493.111	M	34+28.46	-7.083	493.108	493.193	M	34+26.55	-0.833	493.190	493.274	M	34+26.29	0.000	493.201	493.285
N	34+40.36	-13.333	493.101	493.177	N	34+38.46	-7.083	493.185	493.261	N	34+36.55	-0.833	493.269	493.345	N	34+36.29	0.000	493.281	493.356
O	34+50.36	-13.333	493.161	493.220	O	34+48.46	-7.083	493.249	493.307	O	34+46.55	-0.833	493.335	493.394	O	34+46.29	0.000	493.347	493.405
P	34+60.36	-13.333	493.208	493.243	P	34+58.46	-7.083	493.298	493.332	P	34+56.55	-0.833	493.387	493.422	P	34+56.29	0.000	493.399	493.433
W. Q BRG. PIER 2	34+72.53	-13.333	493.247	493.247	W. Q BRG. PIER 2	34+70.62	-7.083	493.340	493.340	W. Q BRG. PIER 2	34+68.71	-0.833	493.432	493.432	W. Q BRG. PIER 2	34+68.46	0.000	493.445	493.445
Q PIER 2	34+73.28	-13.333	493.249	493.249	Q PIER 2	34+71.37	-7.083	493.342	493.342	Q PIER 2	34+69.46	-0.833	493.435	493.435	Q PIER 2	34+69.21	0.000	493.447	493.447
E. Q BRG. PIER 2	34+74.03	-13.333	493.251	493.251	E. Q BRG. PIER 2	34+72.12	-7.083	493.344	493.344	E. Q BRG. PIER 2	34+70.21	-0.833	493.437	493.437	E. Q BRG. PIER 2	34+69.96	0.000	493.449	493.449
Q	34+84.03	-13.333	493.265	493.299	Q	34+82.12	-7.083	493.361	493.395	Q	34+80.21	-0.833	493.456	493.491	Q	34+79.96	0.000	493.469	493.503
R	34+94.03	-13.333	493.266	493.331	R	34+92.12	-7.083	493.365	493.430	R	34+90.21	-0.833	493.463	493.528	R	34+89.96	0.000	493.476	493.541
S	35+04.03	-13.333	493.342	493.342	S	35+02.12	-7.083	493.354	493.444	S	35+00.21	-0.833	493.455	493.544	S	34+99.96	0.000	493.468	493.558
T	35+14.03	-13.333	493.227	493.330	T	35+12.12	-7.083	493.331	493.434	T	35+10.21	-0.833	493.434	493.537	T	35+09.96	0.000	493.448	493.551
U	35+24.03	-13.333	493.187	493.294	U	35+22.12	-7.083	493.293	493.401	U	35+20.21	-0.833	493.399	493.507	U	35+19.96	0.000	493.413	493.521
V	35+34.03	-13.333	493.133	493.233	V	35+32.12	-7.083	493.242	493.342	V	35+30.21	-0.833	493.350	493.450	V	35+29.96	0.000	493.365	493.465
W	35+44.03	-13.333	493.066	493.148	W	35+42.12	-7.083	493.177	493.260	W	35+40.21	-0.833	493.288	493.371	W	35+39.96	0.000	493.303	493.385
X	35+54.03	-13.333	492.984	493.040	X	35+52.12	-7.083	493.099	493.154	X	35+50.21	-0.833	493.212	493.268	X	35+49.96	0.000	493.227	493.283
Y	35+64.03	-13.333	492.890	492.913	Y	35+62.12	-7.083	493.006	493.030	Y	35+60.21	-0.833	493.123	493.146	Y	35+59.96	0.000	493.138	493.162
W. Q BRG. PIER 3	35+71.03	-13.333	492.815	492.815	W. Q BRG. PIER 3	35+69.12	-7.083	492.934	492.934	W. Q BRG. PIER 3	35+67.21	-0.833	493.052	493.052	W. Q BRG. PIER 3	35+66.96	0.000	493.068	493.068
Q PIER 3	35+71.78	-13.333	492.807	492.807	Q PIER 3	35+69.87	-7.083	492.926	492.926	Q PIER 3	35+67.96	-0.833	493.044	493.044	Q PIER 3	35+67.71	0.000	493.060	493.060
E. Q BRG. PIER 3	35+72.53	-13.333	492.798	492.798	E. Q BRG. PIER 3	35+70.62	-7.083	492.917	492.917	E. Q BRG. PIER 3	35+68.71	-0.833	493.036	493.036	E. Q BRG. PIER 3	35+68.46	0.000	493.052	493.052
Z	35+82.53	-13.333	492.678	492.702	Z	35+80.62	-7.083	492.800	492.823	Z	35+78.71	-0.833	492.921	492.944	Z	35+78.46	0.000	492.937	492.960
AA	35+92.53	-13.333	492.544	492.589	AA	35+90.62	-7.083	492.669	492.713	AA	35+88.71	-0.833	492.792	492.837	AA	35+88.46	0.000	492.809	492.853
BB	36+02.53	-13.333	492.397	492.456	BB	36+00.62	-7.083	492.524	492.583	BB	35+98.71	-0.833	492.650	492.709	BB	35+98.46	0.000	492.667	492.726
CC	36+12.53	-13.333	492.236	492.303	CC	36+10.62	-7.083	492.365	492.432	CC	36+08.71	-0.833	492.494	492.561	CC	36+08.46	0.000	492.511	492.578
DD	36+22.53	-13.333	492.061	492.126	DD	36+20.62	-7.083	492.193	492.258	DD	36+18.71	-0.833	492.325	492.390	DD	36+18.46	0.000	492.342	492.407
EE	36+32.53	-13.333	491.873	491.928	EE	36+30.62	-7.083	492.007	492.062	EE	36+28.71	-0.833	492.142	492.197	EE	36+28.46	0.000	492.159	492.214
FF	36+42.53	-13.333	491.671	491.708	FF	36+40.62	-7.083	491.808	491.845	FF	36+38.71	-0.833	491.945	491.982	FF	36+38.46	0.000	491.963	492.000
GG	36+52.53	-13.333	491.455	491.469	GG	36+50.62	-7.083	491.595	491.609	GG	36+48.71	-0.833	491.734	491.748	GG	36+48.46	0.000	491.753	491.767
Q BRG E. ABUT.	36+58.31	-13.333	491.324	491.324	Q BRG E. ABUT.	36+56.40	-7.083	491.465	491.465	Q BRG E. ABUT.	36+54.50	-0.833	491.606	491.606	Q BRG E. ABUT.	36+54.24	0.000	491.625	491.625
BK. E. ABUT.	36+59.61	-13.333	491.294	491.294	BK. E. ABUT.	36+57.71	-7.083	491.435	491.435	BK. E. ABUT.	36+55.80	-0.833	491.577	491.577	BK. E. ABUT.	36+55.54	0.000	491.595	491.595

THOUVENOT, WADE & MOERCHEN, INC.



DESIGNED	ALN
CHECKED	BWP
DRAWN	KBF
CHECKED	ALN/BWP

