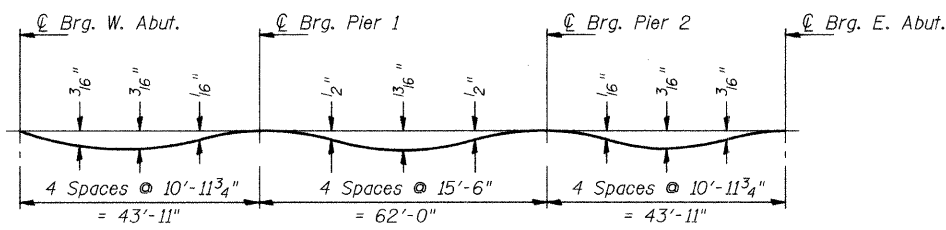


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	#	DUPAGE	106	24
SHEET NO. S3 of S34 SHEETS				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

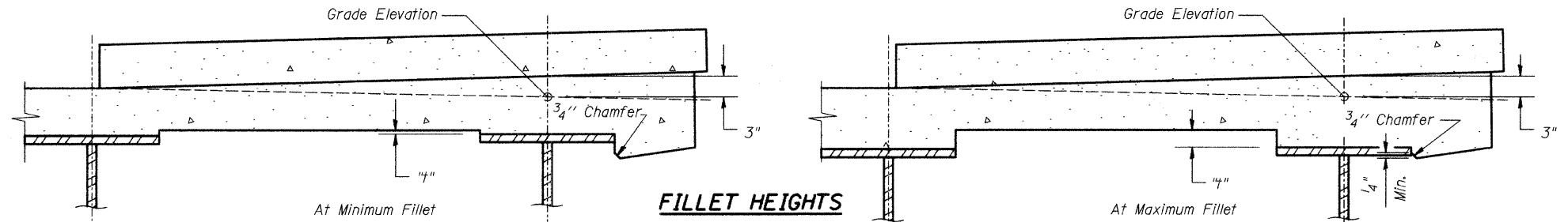
To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below and on Sheets, #S4 and #S5 of S34, minus slab thickness, equals the fillet heights "f" above top flange of beams.



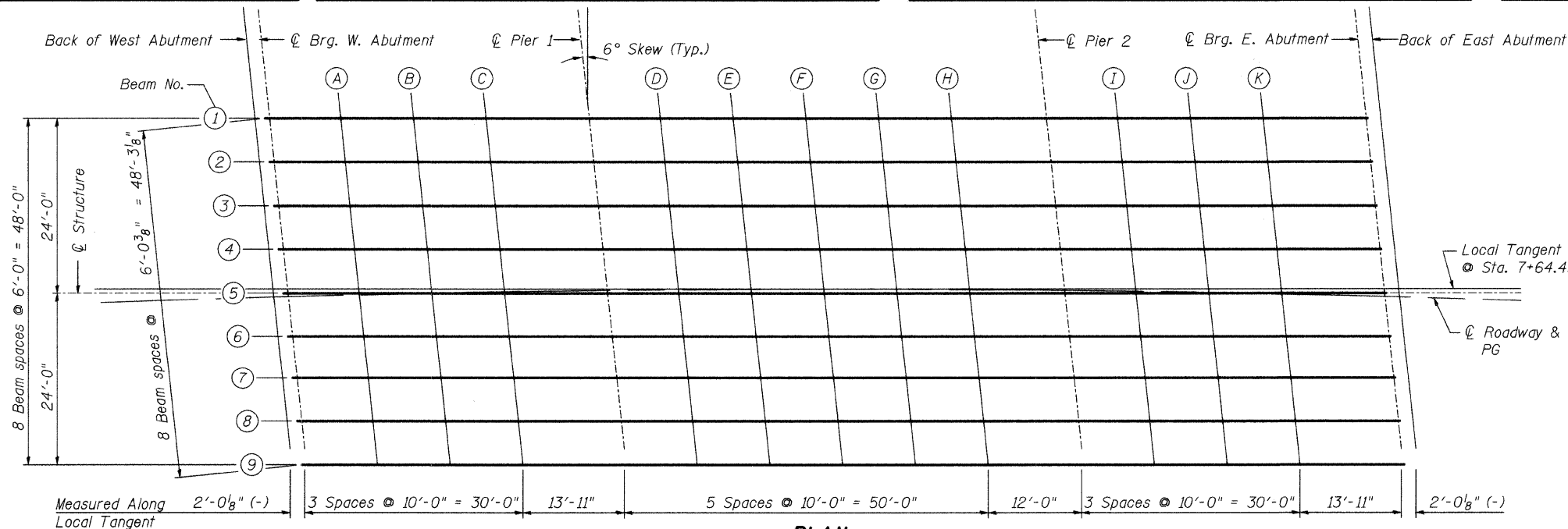
**DEAD LOAD DEFLECTION DIAGRAM**

(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 and on Sheets #S4 and #S5 of S34.



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. W. ABUT.	6+85.352	-24.593	680.037	680.037	BK. W. ABUT.	6+85.802	-18.577	680.174	680.174	BK. W. ABUT.	6+86.255	-12.561	680.311	680.311	BK. W. ABUT.	6+86.709	-6.545	680.419	680.419
☉ BRG. W. ABUT.	6+87.353	-24.534	680.089	680.089	☉ BRG. W. ABUT.	6+87.808	-18.518	680.226	680.226	☉ BRG. W. ABUT.	6+88.265	-12.503	680.363	680.363	☉ BRG. W. ABUT.	6+88.724	-6.487	680.471	680.471
A	6+97.259	-24.265	680.345	680.360	A	6+97.736	-18.251	680.483	680.497	A	6+98.215	-12.238	680.620	680.635	A	6+98.696	-6.224	680.727	680.742
B	7+07.167	-24.033	680.601	680.614	B	7+07.666	-18.021	680.739	680.752	B	7+08.168	-12.010	680.877	680.890	B	7+08.671	-5.998	680.983	680.997
C	7+17.077	-23.839	680.857	680.886	C	7+17.598	-17.828	680.995	681.025	C	7+18.122	-11.818	681.133	681.162	C	7+18.648	-5.809	681.240	681.270
☉ PIER 1	7+30.863	-23.629	681.224	681.224	☉ PIER 1	7+31.415	-17.622	681.364	681.364	☉ PIER 1	7+31.970	-11.614	681.502	681.502	☉ PIER 1	7+32.527	-5.607	681.611	681.611
D	7+40.776	-23.522	681.497	681.522	D	7+41.350	-17.517	681.638	681.663	D	7+41.926	-11.512	681.777	681.802	D	7+42.505	-5.507	681.887	681.912
E	7+50.689	-23.453	681.779	681.833	E	7+51.285	-17.449	681.921	681.976	E	7+51.884	-11.447	682.060	682.115	E	7+52.485	-5.444	682.171	682.226
F	7+60.602	-23.420	682.068	682.137	F	7+61.220	-17.419	682.211	682.281	F	7+61.841	-11.418	682.351	682.421	F	7+62.465	-5.418	682.463	682.533
G	7+70.516	-23.424	682.364	682.426	G	7+71.156	-17.425	682.509	682.570	G	7+71.799	-11.427	682.650	682.712	G	7+72.444	-5.429	682.764	682.825
H	7+80.429	-23.465	682.669	682.703	H	7+81.091	-17.469	682.815	682.848	H	7+81.756	-11.473	682.958	682.991	H	7+82.424	-5.477	683.072	683.106
☉ PIER 2	7+93.157	-23.572	683.071	683.071	☉ PIER 2	7+93.848	-17.579	683.219	683.219	☉ PIER 2	7+94.541	-11.586	683.364	683.364	☉ PIER 2	7+95.237	-5.594	683.480	683.480
I	8+03.069	-23.697	683.394	683.396	I	8+03.781	-17.707	683.542	683.545	I	8+04.497	-11.717	683.689	683.692	I	8+05.215	-5.727	683.807	683.810
J	8+12.980	-23.859	683.724	683.738	J	8+13.714	-17.872	683.873	683.887	J	8+14.452	-11.885	684.023	684.037	J	8+15.192	-5.898	684.142	684.156
K	8+22.890	-24.059	684.061	684.078	K	8+23.646	-18.074	684.213	684.229	K	8+24.405	-12.089	684.364	684.380	K	8+25.168	-6.105	684.485	684.501
☉ BRG. E. ABUT.	8+36.671	-24.397	684.544	684.544	☉ BRG. E. ABUT.	8+37.458	-18.416	684.697	684.697	☉ BRG. E. ABUT.	8+38.248	-12.436	684.850	684.850	☉ BRG. E. ABUT.	8+39.041	-6.456	684.975	684.975
BK. E. ABUT.	8+38.672	-24.452	684.615	684.615	BK. E. ABUT.	8+39.463	-18.472	684.769	684.769	BK. E. ABUT.	8+40.257	-12.492	684.922	684.922	BK. E. ABUT.	8+41.055	-6.512	685.047	685.047



DESIGNED	SRT
CHECKED	JJI
DRAWN	GM
CHECKED	JJI

Bellinger, Lach & Associates, Inc.

**TOP OF SLAB ELEVATIONS**  
**JEFFERSON AVENUE OVER WEST BRANCH DUPAGE RIVER**  
**FAU 3570 SECTION 00-00116-00-BR**  
**DUPAGE COUNTY**  
**STA. 7+64.45**  
**STRUCTURE NUMBER 022-6756**