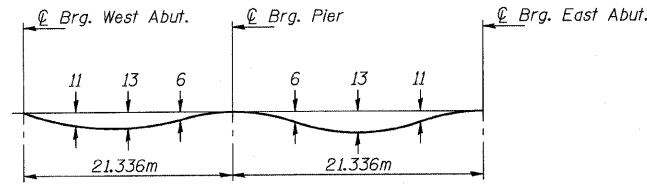


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 23 SHEETS
FAP 303 IL 173	2010-086-F	LAKE	29	17	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

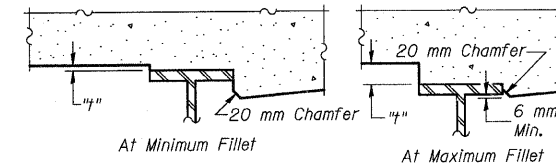


**DEAD LOAD DEFLECTION DIAGRAM**

(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 Sheet 5 of 23.

All offsets are in meters.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below and on Sheet 5 of 23. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below and on Sheet 5 of 23, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**FILLET HEIGHTS**

**GIRDER NO. 1**

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	26+247.352	-6.688	228.857	228.857
☉ W. Abut.	26+247.780	-6.654	228.858	228.858
C	26+250.710	-6.433	228.862	228.870
D	26+253.643	-6.242	228.865	228.877
E	26+256.580	-6.078	228.867	228.880
F	26+259.520	-5.943	228.866	228.878
G	26+262.462	-5.837	228.864	228.872
H	26+265.406	-5.760	228.861	228.864
☉ Pier	26+268.680	-5.707	228.855	228.855
I	26+271.626	-5.690	228.848	228.851
J	26+274.572	-5.702	228.840	228.847
K	26+277.517	-5.742	228.830	228.841
L	26+280.461	-5.811	228.818	228.832
M	26+283.403	-5.908	228.805	228.817
N	26+286.344	-6.035	228.790	228.798
☉ E. Abut.	26+289.611	-6.208	228.772	228.772
Bk. E. Abut.	26+290.040	-6.234	228.769	228.769

**GIRDER NO. 2**

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	26+248.564	-4.109	228.725	228.725
☉ W. Abut.	26+248.996	-4.076	228.726	228.726
C	26+251.950	-3.868	228.730	228.737
D	26+254.909	-3.688	228.732	228.744
E	26+257.870	-3.537	228.733	228.746
F	26+260.834	-3.415	228.732	228.744
G	26+263.801	-3.322	228.729	228.737
H	26+266.768	-3.257	228.725	228.728
☉ Pier	26+270.070	-3.220	228.719	228.719
I	26+273.039	-3.216	228.711	228.713
J	26+276.007	-3.242	228.702	228.708
K	26+278.975	-3.296	228.691	228.702
L	26+281.942	-3.379	228.678	228.692
M	26+284.907	-3.491	228.664	228.676
N	26+287.870	-3.632	228.648	228.656
☉ E. Abut.	26+291.161	-3.822	228.629	228.629
Bk. E. Abut.	26+291.593	-3.850	228.626	228.626

**GIRDER NO. 3**

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	26+249.796	-1.534	228.593	228.593
☉ W. Abut.	26+250.231	-1.503	228.594	228.594
C	26+253.211	-1.307	228.597	228.604
D	26+256.195	-1.140	228.599	228.611
E	26+259.181	-1.001	228.599	228.612
F	26+262.170	-0.892	228.597	228.609
G	26+265.161	-0.812	228.594	228.601
H	26+268.153	-0.761	228.589	228.592
☉ Pier	26+271.481	-0.738	228.581	228.581
I	26+274.474	-0.749	228.573	228.575
J	26+277.466	-0.788	228.563	228.570
K	26+280.457	-0.857	228.551	228.562
L	26+283.447	-0.955	228.537	228.551
M	26+286.434	-1.081	228.522	228.534
N	26+289.419	-1.237	228.505	228.513
☉ E. Abut.	26+292.732	-1.444	228.485	228.485
Bk. E. Abut.	26+293.168	-1.474	228.482	228.482

**STAGE CONSTRUCTION JOINT and ☉ STRUCTURE**

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	26+250.420	-0.249	228.527	228.527
☉ W. Abut.	26+250.857	-0.219	228.528	228.528
C	26+253.850	-0.028	228.531	228.538
D	26+256.846	0.133	228.532	228.544
E	26+259.845	0.264	228.532	228.545
F	26+262.847	0.367	228.530	228.541
G	26+265.850	0.441	228.526	228.533
H	26+268.854	0.485	228.521	228.523
☉ Pier	26+272.195	0.500	228.513	228.513
I	26+275.200	0.482	228.504	228.506
J	26+278.204	0.436	228.493	228.500
K	26+281.207	0.360	228.481	228.492
L	26+284.208	0.255	228.467	228.480
M	26+287.207	0.121	228.451	228.463
N	26+290.203	-0.043	228.434	228.441
☉ E. Abut.	26+293.530	-0.259	228.412	228.412
Bk. E. Abut.	26+293.968	-0.290	228.409	228.409

**NOTES**

For information about ☉ of roadway and girders 4 thru 6, See Sheet 5 of 23.

All dimensions are in millimeters (mm) except as noted.

**TOP OF SLAB ELEVATIONS-1**  
**FAP 303 IL. ROUTE 173**  
**OVER EAST BOAT CHANNEL**  
**SECTION 2010-086-F**  
**LAKE COUNTY**  
**STATION 26+271.906**  
**STRUCTURE NO. 049-0198**

DESIGNED	JRF
CHECKED	RCJ
DRAWN	RDS
CHECKED	JRF

