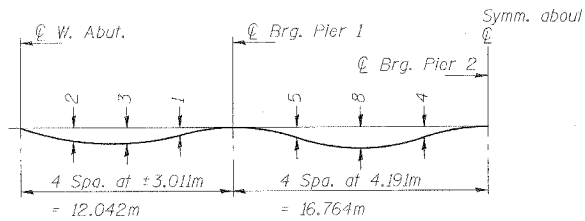


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RT. 305	28R-2-RS-1	McHenry	53	21
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NUMBER: 60756				

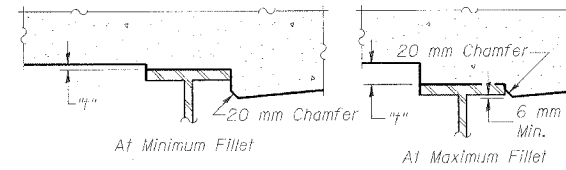


**DEAD LOAD DEFLECTION DIAGRAM**

(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.

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



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. 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 beams.

**FILLET HEIGHTS**

Beam 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	29+971.220	-5.267	290.603	290.603
CL W. Abut.	29+971.602	-5.267	290.607	290.607
A	29+974.602	-5.267	290.636	290.638
B	29+977.602	-5.267	290.661	290.664
C	29+980.602	-5.267	290.683	290.684
CL Brg. Pier 1	29+983.644	-5.267	290.702	290.702
D	29+986.644	-5.267	290.717	290.720
E	29+989.644	-5.267	290.728	290.735
F	29+992.644	-5.267	290.736	290.743
G	29+995.644	-5.267	290.740	290.745
H	29+998.644	-5.267	290.741	290.741
CL Brg. Pier 2	30+000.408	-5.267	290.739	290.739
I	30+003.408	-5.267	290.735	290.737
J	30+006.408	-5.267	290.726	290.733
K	30+009.408	-5.267	290.714	290.722
L	30+012.408	-5.267	290.699	290.705
M	30+015.408	-5.267	290.680	290.681
CL Brg. Pier 3	30+017.172	-5.267	290.667	290.667
N	30+020.172	-5.267	290.642	290.643
O	30+023.172	-5.267	290.614	290.617
P	30+026.172	-5.267	290.583	290.585
CL E. Abut.	30+029.214	-5.267	290.547	290.547
Bk. E. Abut.	30+029.596	-5.267	290.542	290.542

Beam 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	29+971.049	-3.507	290.588	290.588
CL W. Abut.	29+971.431	-3.507	290.592	290.592
A	29+974.431	-3.507	290.621	290.623
B	29+977.431	-3.507	290.647	290.650
C	29+980.431	-3.507	290.669	290.670
CL Brg. Pier 1	29+983.473	-3.507	290.688	290.688
D	29+986.473	-3.507	290.703	290.706
E	29+989.473	-3.507	290.714	290.721
F	29+992.473	-3.507	290.722	290.730
G	29+995.473	-3.507	290.727	290.731
H	29+998.473	-3.507	290.728	290.728
CL Brg. Pier 2	30+000.237	-3.507	290.726	290.726
I	30+003.237	-3.507	290.722	290.724
J	30+006.237	-3.507	290.714	290.720
K	30+009.237	-3.507	290.702	290.710
L	30+012.237	-3.507	290.687	290.692
M	30+015.237	-3.507	290.668	290.669
CL Brg. Pier 3	30+017.001	-3.507	290.655	290.655
N	30+020.001	-3.507	290.631	290.632
O	30+023.001	-3.507	290.603	290.606
P	30+026.001	-3.507	290.572	290.574
CL E. Abut.	30+029.043	-3.507	290.536	290.536
Bk. E. Abut.	30+029.425	-3.507	290.531	290.531

**TOP OF SLAB ELEVATIONS - 1**

Date	Designed MFR	SOUTH ST. OVER US 14 FAP ROUTE NO. 305 SECTION 28R-2-RS-1 STATION 29+999.897 COUNTY McHENRY STRUCTURE NO. 056-3015	Sheet No.
Revisions	Drawn MR		8
	Checked KSM		of 31
	Approved KSM		
HARRY O. HEFTER ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS		65 East Jackson Blvd. Chicago, Illinois 60604 312.646.8333	File Name: 1962S08.DGN Job No. 1962

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