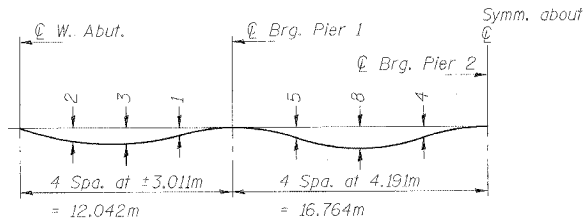


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. Rf. 305	28R-2-RS-1	McHenry	53	23
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NUMBER: 60756				

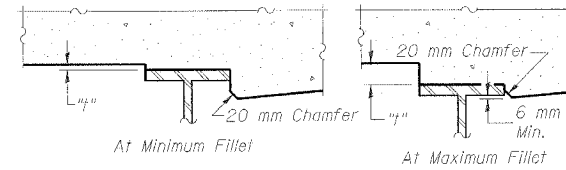


DEAD LOAD DEFLECTION DIAGRAM

(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 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	29+970.708	0.013	290.637	290.637
CL W. Abut.	29+971.090	0.013	290.641	290.641
A	29+974.090	0.013	290.671	290.673
B	29+977.090	0.013	290.697	290.700
C	29+980.090	0.013	290.719	290.720
CL Brg. Pier 1	29+983.132	0.013	290.739	290.739
D	29+986.132	0.013	290.754	290.757
E	29+989.132	0.013	290.766	290.773
F	29+992.132	0.013	290.774	290.782
G	29+995.132	0.013	290.779	290.784
H	29+998.132	0.013	290.781	290.781
CL Brg. Pier 2	29+999.896	0.013	290.780	290.780
I	30+002.896	0.013	290.775	290.778
J	30+005.896	0.013	290.768	290.774
K	30+008.896	0.013	290.756	290.764
L	30+011.896	0.013	290.742	290.747
M	30+014.896	0.013	290.723	290.725
CL Brg. Pier 3	30+016.660	0.013	290.711	290.711
N	30+019.660	0.013	290.687	290.688
O	30+022.660	0.013	290.659	290.662
P	30+025.660	0.013	290.628	290.630
CL E. Abut.	30+028.702	0.013	290.593	290.593
Bk. E. Abut.	30+029.084	0.013	290.589	290.589

Beam 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	29+970.537	1.773	290.609	290.609
CL W. Abut.	29+970.919	1.773	290.613	290.613
A	29+973.919	1.773	290.643	290.645
B	29+976.919	1.773	290.669	290.672
C	29+979.919	1.773	290.692	290.693
CL Brg. Pier 1	29+982.961	1.773	290.711	290.711
D	29+985.961	1.773	290.727	290.730
E	29+988.961	1.773	290.739	290.746
F	29+991.961	1.773	290.748	290.756
G	29+994.961	1.773	290.753	290.758
H	29+997.961	1.773	290.754	290.755
CL Brg. Pier 2	29+999.725	1.773	290.754	290.754
I	30+002.725	1.773	290.750	290.752
J	30+005.725	1.773	290.742	290.748
K	30+008.725	1.773	290.731	290.739
L	30+011.725	1.773	290.716	290.722
M	30+014.725	1.773	290.698	290.700
CL Brg. Pier 3	30+016.489	1.773	290.686	290.686
N	30+019.489	1.773	290.662	290.663
O	30+022.489	1.773	290.635	290.638
P	30+025.489	1.773	290.604	290.606
CL E. Abut.	30+028.531	1.773	290.569	290.569
Bk. E. Abut.	30+028.913	1.773	290.564	290.564

Beam 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	29+970.366	3.533	290.580	290.580
CL W. Abut.	29+970.748	3.533	290.584	290.584
A	29+973.748	3.533	290.614	290.616
B	29+976.748	3.533	290.641	290.644
C	29+979.748	3.533	290.664	290.665
CL Brg. Pier 1	29+982.790	3.533	290.683	290.683
D	29+985.790	3.533	290.699	290.702
E	29+988.790	3.533	290.711	290.718
F	29+991.790	3.533	290.720	290.728
G	29+994.790	3.533	290.725	290.730
H	29+997.790	3.533	290.727	290.728
CL Brg. Pier 2	29+999.554	3.533	290.727	290.727
I	30+002.554	3.533	290.723	290.725
J	30+005.554	3.533	290.715	290.722
K	30+008.554	3.533	290.704	290.712
L	30+011.554	3.533	290.690	290.696
M	30+014.554	3.533	290.672	290.673
CL Brg. Pier 3	30+016.318	3.533	290.660	290.660
N	30+019.318	3.533	290.636	290.637
O	30+022.318	3.533	290.609	290.612
P	30+025.318	3.533	290.578	290.581
CL E. Abut.	30+028.360	3.533	290.544	290.544
Bk. E. Abut.	30+028.742	3.533	290.539	290.539

TOP OF SLAB ELEVATIONS - 3

Date	Designed MR	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. 10 of 31	
Revisions	Drawn MR			
	Checked KSM			
	Approved KSM			
		66 East Jackson Blvd. Chicago, Illinois 60604 312/465-9331	File Name: 1962S10.DGN	Job No. 1962

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