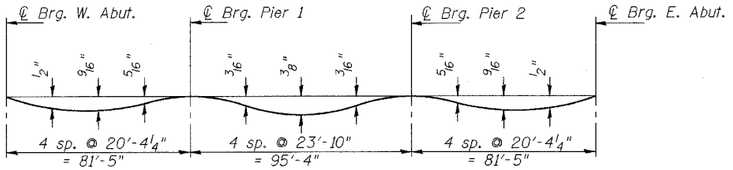
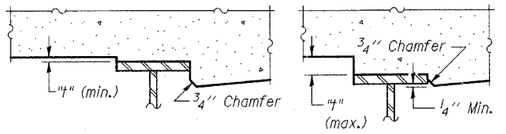


DEAD LOAD DEFLECTION DIAGRAM

(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 5 and 7 of 29.



At Minimum Fillet

At Maximum Fillet

To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown on this sheet and sheets 5 & 7 of 29. 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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 774	107BY	EFFINGHAM	273	232
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 6

29 SHEETS

CONTRACT NO. 94827

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	101011.285	-13.028	542.033	542.033
℄ BRG. W. ABUT	101014.200	-12.993	542.032	542.032
A	101024.188	-12.878	542.031	542.053
B	101034.177	-12.772	542.029	542.069
C	101044.165	-12.674	542.028	542.077
D	101054.154	-12.586	542.026	542.075
E	101064.142	-12.506	542.025	542.065
F	101074.131	-12.434	542.024	542.049
G	101084.120	-12.372	542.023	542.033
℄ PIER 1	101095.519	-12.311	542.022	542.022
H	101105.508	-12.267	542.021	542.023
I	101115.497	-12.232	542.021	542.032
J	101125.487	-12.205	542.020	542.042
K	101135.476	-12.187	542.020	542.049
L	101145.465	-12.178	542.020	542.051
M	101155.455	-12.178	542.020	542.046
N	101165.444	-12.186	542.020	542.037
O	101175.433	-12.203	542.020	542.027
P	101185.423	-12.229	542.021	542.020
℄ PIER 2	101190.757	-12.247	542.021	542.021
Q	101200.746	-12.286	542.021	542.029
R	101210.735	-12.334	542.022	542.045
S	101220.724	-12.390	542.023	542.062
T	101230.713	-12.456	542.024	542.072
U	101240.702	-12.530	542.025	542.075
V	101250.691	-12.612	542.027	542.068
W	101260.680	-12.704	542.028	542.053
℄ BRG. E. ABUT.	101272.086	-12.819	542.030	542.030
BK. E. ABUT.	101274.993	-12.850	542.030	542.030

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	101015.804	-4.973	541.908	541.908
℄ BRG. W. ABUT	101018.721	-4.939	541.907	541.907
A	101028.717	-4.828	541.905	541.927
B	101038.712	-4.726	541.904	541.943
C	101048.707	-4.633	541.902	541.951
D	101058.703	-4.548	541.901	541.950
E	101068.699	-4.472	541.900	541.940
F	101078.695	-4.404	541.899	541.924
G	101088.691	-4.346	541.898	541.908
℄ PIER 1	101100.097	-4.290	541.897	541.897
H	101110.093	-4.250	541.896	541.898
I	101120.090	-4.218	541.896	541.907
J	101130.086	-4.196	541.895	541.917
K	101140.082	-4.182	541.895	541.924
L	101150.079	-4.177	541.895	541.926
M	101160.075	-4.181	541.895	541.922
N	101170.071	-4.193	541.895	541.912
O	101180.068	-4.214	541.896	541.902
P	101190.064	-4.244	541.896	541.896
℄ PIER 2	101195.402	-4.264	541.896	541.896
Q	101205.398	-4.307	541.897	541.905
R	101215.394	-4.359	541.898	541.921
S	101225.390	-4.419	541.899	541.937
T	101235.386	-4.489	541.900	541.948
U	101245.382	-4.567	541.901	541.951
V	101255.377	-4.654	541.903	541.944
W	101265.373	-4.749	541.904	541.929
℄ BRG. E. ABUT.	101276.787	-4.869	541.906	541.906
BK. E. ABUT.	101279.696	-4.902	541.906	541.906

LOCAL TANGENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	101018.166	-0.769	541.842	541.842
℄ BRG. W. ABUT	101021.085	-0.735	541.841	541.841
A	101031.083	-0.626	541.840	541.862
B	101041.082	-0.526	541.838	541.878
C	101051.082	-0.435	541.837	541.886
D	101061.081	-0.352	541.835	541.885
E	101071.080	-0.278	541.834	541.875
F	101081.080	-0.213	541.833	541.859
G	101091.080	-0.156	541.832	541.842
℄ PIER 1	101102.490	-0.102	541.832	541.832
H	101112.490	-0.064	541.831	541.833
I	101122.490	-0.035	541.831	541.842
J	101132.490	-0.015	541.830	541.852
K	101142.490	-0.003	541.830	541.859
L				
M	101152.490	0.000	541.830	541.861
N	101162.490	-0.006	541.830	541.857
O	101172.490	-0.020	541.830	541.847
P	101182.490	-0.044	541.831	541.837
	101192.490	-0.076	541.831	541.831
℄ PIER 2				
Q	101197.830	-0.096	541.831	541.831
R	101207.830	-0.142	541.832	541.840
S	101217.829	-0.196	541.833	541.856
T	101227.829	-0.258	541.834	541.873
U	101237.828	-0.330	541.835	541.883
V	101247.828	-0.410	541.836	541.886
W	101257.827	-0.499	541.838	541.879
	101267.826	-0.597	541.839	541.864
℄ BRG. E. ABUT.				
BK. E. ABUT.	101279.245	-0.719	541.841	541.841
	101282.154	-0.752	541.842	541.842

℄ PROPOSED STRUCTURE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	101018.384	-0.381	541.836	541.836
℄ BRG. W. ABUT	101021.302	-0.348	541.835	541.835
A	101031.302	-0.239	541.834	541.856
B	101041.301	-0.139	541.832	541.872
C	101051.300	-0.048	541.831	541.880
D	101061.300	0.035	541.829	541.879
E	101071.300	0.109	541.828	541.869
F	101081.300	0.174	541.827	541.853
G	101091.300	0.230	541.826	541.836
℄ PIER 1	101102.711	0.284	541.826	541.826
H	101112.711	0.321	541.825	541.827
I	101122.711	0.350	541.825	541.836
J	101132.712	0.371	541.824	541.846
K	101142.712	0.382	541.824	541.853
L	101152.712	0.385	541.824	541.855
M	101162.713	0.379	541.824	541.851
N	101172.713	0.364	541.824	541.841
O	101182.713	0.341	541.825	541.831
P	101192.713	0.309	541.825	541.825
℄ PIER 2	101198.054	0.288	541.826	541.826
Q	101208.054	0.242	541.826	541.834
R	101218.054	0.188	541.827	541.850
S	101228.054	0.125	541.828	541.867
T	101238.054	0.053	541.829	541.878
U	101248.053	-0.027	541.830	541.880
V	101258.053	-0.116	541.832	541.873
W	101268.052	-0.214	541.833	541.858
℄ BRG. E. ABUT.	101279.471	-0.337	541.835	541.835
BK. E. ABUT.	101282.381	-0.370	541.836	541.836

Work this sheet with sheets 5 & 7 of 29.

SHEET TITLE: TOP OF SLAB ELEVATIONS

PROJECT: IL RTE. 32/33 OVER LITTLE WABASH RIVER
F.A.P. RTE. 774 SECTION 107BY
EFFINGHAM COUNTY
STATION 1011+50.17
STRUCTURE NO. 025-0078

PROJECT NO. 02017

SCALE

DATE

DRAWN BY TFG

CHECKED BY GJB/MCB

DRAWING NO. 6 OF 29 SHTS

COOMBE-BLOXDORF P.C.
Engineers /Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

#FILEABBREV#

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