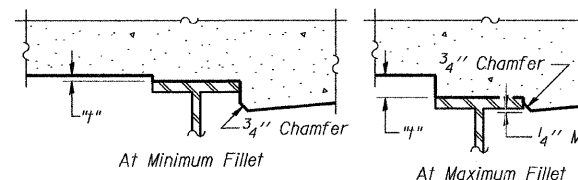


DEAD LOAD DEFLECTION DIAGRAM

(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 on sheets 7 thru 9 of 25.



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 on sheets 7 thru 9 of 25, 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	12530.830	-16.041	514.151	514.151
CL Brg W Abut	12533.000	-16.041	514.193	514.193
A	12543.000	-16.041	514.402	514.423
B	12553.000	-16.041	514.604	514.642
C	12563.000	-16.041	514.800	514.850
D	12573.000	-16.041	515.012	515.051
E	12583.000	-16.041	515.212	515.235
F	12593.000	-16.041	515.416	515.419
CL Pier 1	12601.000	-16.041	515.579	515.579
G	12611.000	-16.041	515.783	515.795
H	12621.000	-16.041	515.987	516.018
I	12631.000	-16.041	516.191	516.237
J	12641.000	-16.041	516.395	516.447
K	12651.000	-16.041	516.599	516.647
L	12661.000	-16.041	516.803	516.837
M	12671.000	-16.041	517.007	517.023
CL Pier 2	12683.000	-16.041	517.252	517.252
N	12693.000	-16.041	517.456	517.462
O	12703.000	-16.041	517.660	517.688
P	12713.000	-16.041	517.864	517.912
Q	12723.000	-16.041	518.068	518.122
R	12733.000	-16.041	518.272	518.316
S	12743.000	-16.041	518.476	518.496
CL Brg E Abut	12751.000	-16.041	518.639	518.639
Bk E Abut	12753.160	-16.041	518.683	518.683

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W Abut	12530.830	-9.625	514.242	514.242
CL Brg W Abut	12533.000	-9.625	514.291	514.291
A	12543.000	-9.625	514.490	514.522
B	12553.000	-9.625	514.703	514.740
C	12563.000	-9.625	514.902	514.953
D	12573.000	-9.625	515.102	515.152
E	12583.000	-9.625	515.308	515.332
F	12593.000	-9.625	515.512	515.515
CL Pier 1	12601.000	-9.625	515.676	515.676
G	12611.000	-9.625	515.880	515.892
H	12621.000	-9.625	516.084	516.114
I	12631.000	-9.625	516.288	516.333
J	12641.000	-9.625	516.492	516.544
K	12651.000	-9.625	516.696	516.743
L	12661.000	-9.625	516.900	516.933
M	12671.000	-9.625	517.104	517.119
CL Pier 2	12683.000	-9.625	517.348	517.348
N	12693.000	-9.625	517.552	517.558
O	12703.000	-9.625	517.756	517.784
P	12713.000	-9.625	517.960	518.008
Q	12723.000	-9.625	518.164	518.218
R	12733.000	-9.625	518.368	518.412
S	12743.000	-9.625	518.572	518.593
CL Brg E Abut	12751.000	-9.625	518.735	518.735
Bk E Abut	12753.160	-9.625	518.780	518.780

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W Abut	12530.830	-3.207	514.341	514.341
CL Brg W Abut	12533.000	-3.207	514.393	514.393
A	12543.000	-3.207	514.592	514.611
B	12553.000	-3.207	514.790	514.843
C	12563.000	-3.207	515.003	515.052
D	12573.000	-3.207	515.197	515.241
E	12583.000	-3.207	515.405	515.428
F	12593.000	-3.207	515.609	515.611
CL Pier 1	12601.000	-3.207	515.772	515.772
G	12611.000	-3.207	515.976	515.988
H	12621.000	-3.207	516.180	516.210
I	12631.000	-3.207	516.384	516.429
J	12641.000	-3.207	516.588	516.640
K	12651.000	-3.207	516.792	516.839
L	12661.000	-3.207	516.996	517.030
M	12671.000	-3.207	517.200	517.215
CL Pier 2	12683.000	-3.207	517.445	517.445
N	12693.000	-3.207	517.649	517.654
O	12703.000	-3.207	517.853	517.880
P	12713.000	-3.207	518.057	518.104
Q	12723.000	-3.207	518.260	518.314
R	12733.000	-3.207	518.465	518.508
S	12743.000	-3.207	518.669	518.689
CL Brg E Abut	12751.000	-3.207	518.832	518.832
Bk E Abut	12753.160	-3.207	518.876	518.876

PLOT DATE = 08/27/2009
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USER NAME = CFC.

E-S

11-1-06

ILLINOIS DEPARTMENT OF TRANSPORTATION	
SHEET TITLE TOP OF SLAB ELEVATIONS	
PROJECT F.A.S. RT. 287 (C.H. 29) SECTION 05-00039-03-BR GRUNDY COUNTY STATION 126+42.00 STRUCTURE NO. 032-3101	PROJECT NO. 05042 SCALE DATE 8/27/09 DRAWN BY TFG CHECKED BY MCB/CME DRAWING NO. 7
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	
OF 25 SHTS	