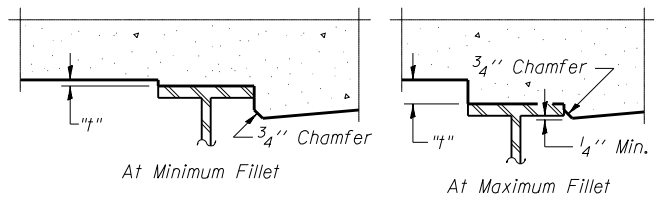


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

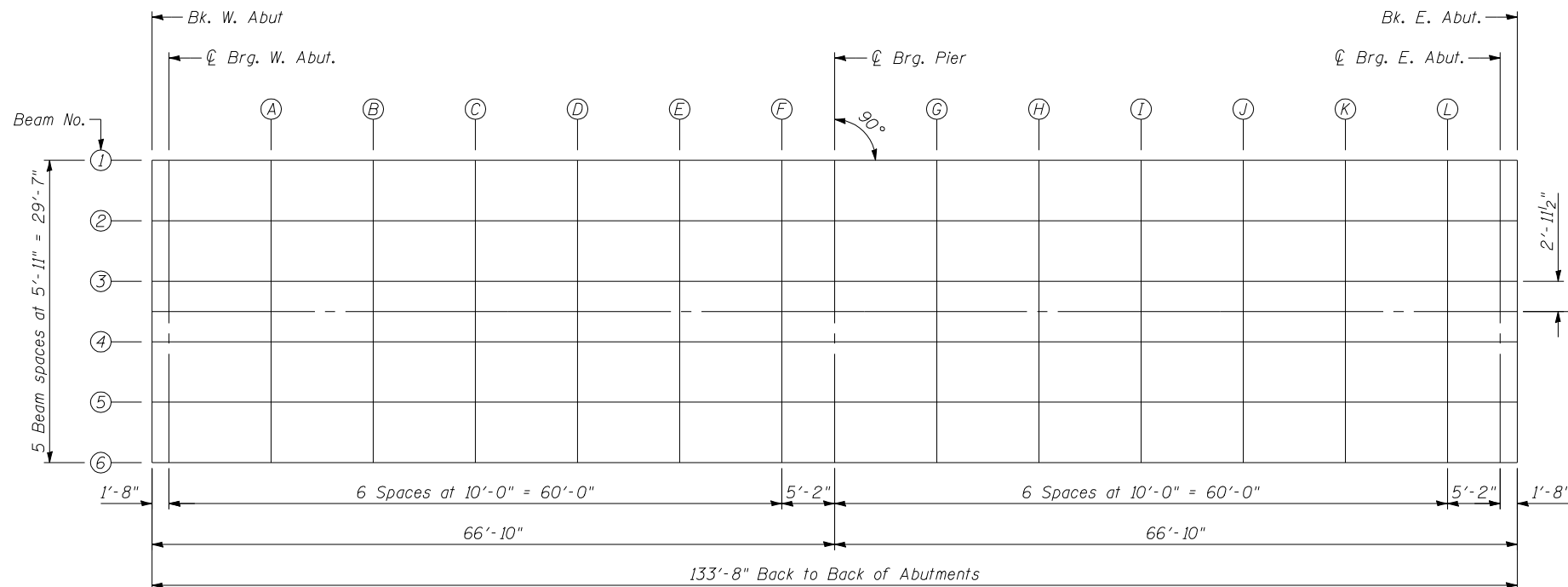
Note:

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 4 of 23 sheets.



FILLET HEIGHTS

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below and on sheet 4 of 23 sheets, minus slab thickness, equals the fillet heights "t" above top flange of beams.



PLAN

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of W. Abut.	51083.17	-14.79	544.56	544.56
☉ Brg. W. Abut.	51084.84	-14.79	544.56	544.56
A	51094.84	-14.79	544.53	544.55
B	51104.84	-14.79	544.50	544.53
C	51114.84	-14.79	544.47	544.51
D	51124.84	-14.79	544.44	544.47
E	51134.84	-14.79	544.41	544.43
F	51144.84	-14.79	544.38	544.38
☉ Brg. Pier	51150.00	-14.79	544.36	544.36
G	51160.00	-14.79	544.33	544.34
H	51170.00	-14.79	544.30	544.33
I	51180.00	-14.79	544.27	544.31
J	51190.00	-14.79	544.24	544.28
K	51200.00	-14.79	544.21	544.24
L	51210.00	-14.79	544.18	544.20
☉ Brg. E. Abut.	51215.17	-14.79	544.17	544.17
Back of E. Abut.	51216.84	-14.79	544.16	544.16

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of W. Abut.	51083.17	-8.87	544.67	544.67
☉ Brg. W. Abut.	51084.84	-8.87	544.66	544.66
A	51094.84	-8.87	544.63	544.66
B	51104.84	-8.87	544.60	544.64
C	51114.84	-8.87	544.57	544.61
D	51124.84	-8.87	544.54	544.58
E	51134.84	-8.87	544.51	544.53
F	51144.84	-8.87	544.48	544.49
☉ Brg. Pier	51150.00	-8.87	544.47	544.47
G	51160.00	-8.87	544.44	544.45
H	51170.00	-8.87	544.41	544.43
I	51180.00	-8.87	544.38	544.42
J	51190.00	-8.87	544.35	544.39
K	51200.00	-8.87	544.32	544.35
L	51210.00	-8.87	544.29	544.30
☉ Brg. E. Abut.	51215.17	-8.87	544.27	544.27
Back of E. Abut.	51216.84	-8.87	544.27	544.27

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of W. Abut.	51083.17	-2.96	544.76	544.76
☉ Brg. W. Abut.	51084.84	-2.96	544.76	544.76
A	51094.84	-2.96	544.73	544.75
B	51104.84	-2.96	544.70	544.73
C	51114.84	-2.96	544.67	544.71
D	51124.84	-2.96	544.64	544.67
E	51134.84	-2.96	544.61	544.62
F	51144.84	-2.96	544.58	544.58
☉ Brg. Pier	51150.00	-2.96	544.56	544.56
G	51160.00	-2.96	544.53	544.54
H	51170.00	-2.96	544.50	544.53
I	51180.00	-2.96	544.47	544.51
J	51190.00	-2.96	544.44	544.48
K	51200.00	-2.96	544.41	544.44
L	51210.00	-2.96	544.38	544.39
☉ Brg. E. Abut.	51215.17	-2.96	544.37	544.37
Back of E. Abut.	51216.84	-2.96	544.36	544.36

E-S 7-1-10

FILE NAME = 72B82-003-10s-elev1.dgn
 PROJECT NO. 072B84-B

Coombe-Bloxdorf P.C.
 CIVIL ENGINEERS-
 STRUCTURAL ENGINEERS-
 LAND SURVEYORS
 Design Firm License No. 184-002703

USER NAME = .MML.	DESIGNED - AMC	REVISED -
PLOT SCALE = 16:0.000000 '1' / IN.	CHECKED - MCB	REVISED -
PLOT DATE = 10/23/2013	DRAWN - CFC	REVISED -
	CHECKED - MCB	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
 STRUCTURE NO. 054-0515**

SHEET NO. 3 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
717	102B-1, 102CR, 102BR-2IRS-5	LOGAN	218	57
CONTRACT NO. 72B82				
ILLINOIS FED. AID PROJECT				