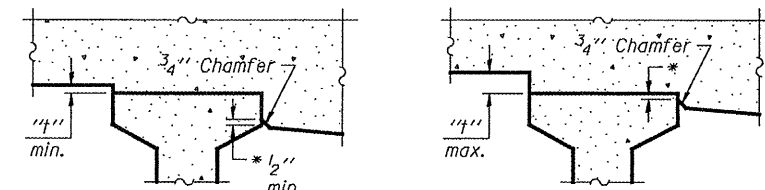


PLAN

DEAD LOAD DEFLECTION DIAGRAM  
(Includes weight of concrete slab 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.



At Minimum Fillet      At Maximum Fillet  
EXTERIOR BEAMS

To determine "t": After all beams have 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 Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	19+73.44	12.50	700.59	700.59
☉ Brg. W. Abut.	19+74.71	12.50	700.62	700.62
A	19+84.71	12.50	700.84	700.88
B	19+94.71	12.50	701.08	701.14
C	20+04.71	12.50	701.33	701.41
D	20+14.71	12.50	701.59	701.69
E	20+24.71	12.50	701.87	701.96
F	20+34.71	12.50	702.16	702.24
G	20+44.71	12.50	702.47	702.52
H	20+54.71	12.50	702.79	702.81
☉ Brg. E. Abut.	20+59.71	12.50	702.96	702.96
Bk. of E. Abut.	20+60.98	12.50	703.00	703.00

BEAM 2

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	19+72.34	6.25	700.67	700.67
☉ Brg. W. Abut.	19+73.61	6.25	700.70	700.70
A	19+83.61	6.25	700.92	700.95
B	19+93.61	6.25	701.15	701.21
C	20+03.61	6.25	701.40	701.48
D	20+13.61	6.25	701.66	701.75
E	20+23.61	6.25	701.94	702.02
F	20+33.61	6.25	702.23	702.30
G	20+43.61	6.25	702.53	702.58
H	20+53.61	6.25	702.85	702.87
☉ Brg. E. Abut.	20+58.61	6.25	703.02	703.02
Bk. of E. Abut.	20+59.88	6.25	703.06	703.06

BEAM 3

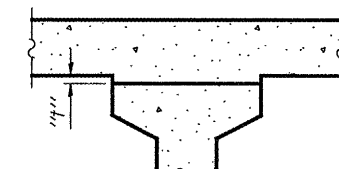
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	19+71.23	0.00	700.74	700.74
☉ Brg. W. Abut.	19+72.51	0.00	700.77	700.77
A	19+82.51	0.00	700.99	701.02
B	19+92.51	0.00	701.22	701.28
C	20+02.51	0.00	701.47	701.55
D	20+12.51	0.00	701.73	701.82
E	20+22.51	0.00	702.00	702.09
F	20+32.51	0.00	702.29	702.36
G	20+42.51	0.00	702.60	702.64
H	20+52.51	0.00	702.91	702.93
☉ Brg. E. Abut.	20+57.50	0.00	703.08	703.08
Bk. of E. Abut.	20+58.77	0.00	703.12	703.12

BEAM 4

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	19+70.13	6.25	700.62	700.62
☉ Brg. W. Abut.	19+71.40	6.25	700.65	700.65
A	19+81.40	6.25	700.87	700.90
B	19+91.40	6.25	701.10	701.16
C	20+01.40	6.25	701.34	701.42
D	20+11.40	6.25	701.60	701.69
E	20+21.40	6.25	701.87	701.96
F	20+31.40	6.25	702.16	702.23
G	20+41.40	6.25	702.46	702.51
H	20+51.40	6.25	702.78	702.80
☉ Brg. E. Abut.	20+56.40	6.25	702.95	702.95
Bk. of E. Abut.	20+57.67	6.25	702.99	702.99

BEAM 5

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	19+69.03	12.50	700.50	700.50
☉ Brg. W. Abut.	19+70.30	12.50	700.53	700.53
A	19+80.30	12.50	700.74	700.78
B	19+90.30	12.50	700.97	701.04
C	20+00.30	12.50	701.21	701.30
D	20+10.30	12.50	701.47	701.57
E	20+20.30	12.50	701.74	701.84
F	20+30.30	12.50	702.03	702.11
G	20+40.30	12.50	702.33	702.38
H	20+50.30	12.50	702.65	702.66
☉ Brg. E. Abut.	20+55.30	12.50	702.81	702.81
Bk. of E. Abut.	20+56.57	12.50	702.85	702.85



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown above, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS

FILE NAME = S:\PROJECTS\2010\1183D10\_Jodaviness\_County\_Bethel\_Road\DESIGN\STRUCT\Drawings\1183D10\_topofSlabElevations.dgn

USER NAME =	DESIGNED - M. C. WAGNER	REVISED -	<b>JODAVIESS COUNTY</b> <b>F.A.S. 72 (E. BETHEL RD.) OVER LITTLE RUSH CREEK</b> <b>STATION 20+15</b>	<b>TOP OF SLAB ELEVATIONS</b> <b>STRUCTURE NO. 043-3277</b> STRUCTURAL SHEET NO. 3 OF 17 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - B. K. CONVERSE	REVISED -	72			10-00134-00-BR	JODAVIESS	34	13	
PLOT SCALE =	DRAWN - F. D. LACHAT	REVISED -			WHA* 1183D10	CONTRACT NO. 85536			
PLOT DATE =	CHECKED - M. A. CACKLEY	REVISED -			ILLINOIS FED. AID PROJECT ER-00721031				