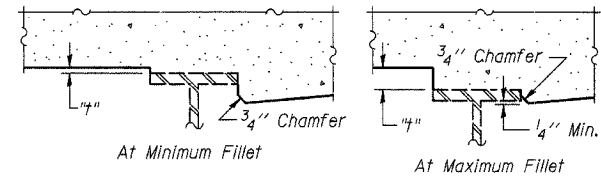


DEAD LOAD DEFLECTION DIAGRAM

(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 5 of 20.



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.

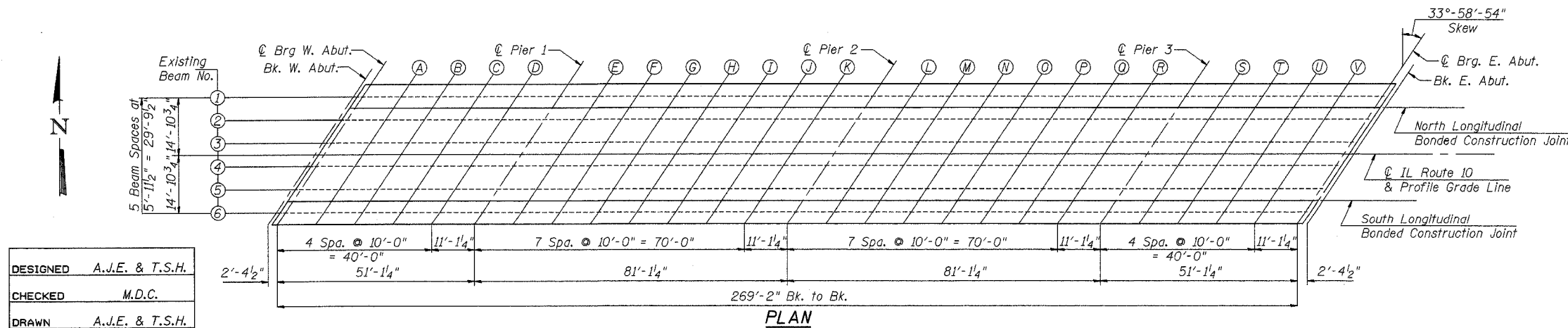
FILLET HEIGHTS

BEAM 1				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	4072.87	-14.896	751.453	751.453
⊕ Brg W. Abut.	4075.25	-14.896	751.461	751.461
A	4085.25	-14.896	751.490	751.494
B	4095.25	-14.896	751.514	751.519
C	4105.25	-14.896	751.530	751.533
D	4115.25	-14.896	751.540	751.540
⊕ Pier 1	4126.35	-14.896	751.543	751.543
E	4136.35	-14.896	751.539	751.555
F	4146.35	-14.896	751.529	751.560
G	4156.35	-14.896	751.512	751.550
H	4166.35	-14.896	751.488	751.534
I	4176.35	-14.896	751.458	751.495
J	4186.35	-14.896	751.421	751.448
K	4196.35	-14.896	751.377	751.391
⊕ Pier 2	4207.45	-14.896	751.321	751.321
L	4217.45	-14.896	751.264	751.277
M	4227.45	-14.896	751.200	751.225
N	4237.45	-14.896	751.129	751.165
O	4247.45	-14.896	751.052	751.098
P	4257.45	-14.896	750.968	751.008
Q	4267.45	-14.896	750.878	750.910
R	4277.45	-14.896	750.781	750.798
⊕ Pier 3	4288.56	-14.896	750.665	750.665
S	4298.56	-14.896	750.555	750.555
T	4308.56	-14.896	750.437	750.440
U	4318.56	-14.896	750.313	750.318
V	4328.56	-14.896	750.182	750.187
⊕ Brg. E. Abut.	4339.66	-14.896	750.030	750.030
Bk. E. Abut.	4342.04	-14.896	749.996	749.996

NORTH LONGITUDINAL BONDED CONSTRUCTION JOINT				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	4070.92	-12.000	751.506	751.506
⊕ Brg W. Abut.	4073.29	-12.000	751.514	751.514
A	4083.29	-12.000	751.545	751.549
B	4093.29	-12.000	751.570	751.575
C	4103.29	-12.000	751.588	751.591
D	4113.29	-12.000	751.599	751.599
⊕ Pier 1	4124.40	-12.000	751.604	751.604
E	4134.40	-12.000	751.601	751.616
F	4144.40	-12.000	751.592	751.622
G	4154.40	-12.000	751.576	751.615
H	4164.40	-12.000	751.553	751.600
I	4174.40	-12.000	751.524	751.561
J	4184.40	-12.000	751.489	751.516
K	4194.40	-12.000	751.446	751.461
⊕ Pier 2	4205.50	-12.000	751.392	751.392
L	4215.50	-12.000	751.336	751.349
M	4225.50	-12.000	751.273	751.299
N	4235.50	-12.000	751.204	751.240
O	4245.50	-12.000	751.128	751.174
P	4255.50	-12.000	751.045	751.085
Q	4265.50	-12.000	750.956	750.988
R	4275.50	-12.000	750.860	750.878
⊕ Pier 3	4286.61	-12.000	750.747	750.747
S	4296.61	-12.000	750.637	750.637
T	4306.61	-12.000	750.521	750.524
U	4316.61	-12.000	750.398	750.403
V	4326.61	-12.000	750.269	750.273
⊕ Brg. E. Abut.	4337.71	-12.000	750.117	750.117
Bk. E. Abut.	4340.09	-12.000	750.084	750.084

BEAM 2				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	4068.85	-8.938	751.546	751.546
⊕ Brg W. Abut.	4071.23	-8.938	751.555	751.555
A	4081.23	-8.938	751.587	751.591
B	4091.23	-8.938	751.613	751.618
C	4101.23	-8.938	751.632	751.636
D	4111.23	-8.938	751.645	751.645
⊕ Pier 1	4122.33	-8.938	751.651	751.651
E	4132.33	-8.938	751.650	751.665
F	4142.33	-8.938	751.642	751.673
G	4152.33	-8.938	751.627	751.666
H	4162.33	-8.938	751.606	751.653
I	4172.33	-8.938	751.579	751.616
J	4182.33	-8.938	751.544	751.571
K	4192.33	-8.938	751.504	751.518
⊕ Pier 2	4203.44	-8.938	751.450	751.450
L	4213.44	-8.938	751.396	751.409
M	4223.44	-8.938	751.334	751.360
N	4233.44	-8.938	751.266	751.302
O	4243.44	-8.938	751.192	751.238
P	4253.44	-8.938	751.111	751.150
Q	4263.44	-8.938	751.023	751.055
R	4273.44	-8.938	750.929	750.946
⊕ Pier 3	4284.54	-8.938	750.816	750.816
S	4294.54	-8.938	750.708	750.708
T	4304.54	-8.938	750.593	750.596
U	4314.54	-8.938	750.472	750.477
V	4324.54	-8.938	750.344	750.348
⊕ Brg. E. Abut.	4335.65	-8.938	750.194	750.194
Bk. E. Abut.	4338.02	-8.938	750.161	750.161

BEAM 3				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	4064.84	-2.979	751.624	751.624
⊕ Brg W. Abut.	4067.21	-2.979	751.633	751.633
A	4077.21	-2.979	751.668	751.672
B	4087.21	-2.979	751.697	751.702
C	4097.21	-2.979	751.719	751.722
D	4107.21	-2.979	751.734	751.734
⊕ Pier 1	4118.32	-2.979	751.743	751.743
E	4128.32	-2.979	751.744	751.760
F	4138.32	-2.979	751.739	751.770
G	4148.32	-2.979	751.727	751.766
H	4158.32	-2.979	751.709	751.755
I	4168.32	-2.979	751.684	751.721
J	4178.32	-2.979	751.652	751.679
K	4188.32	-2.979	751.614	751.628
⊕ Pier 2	4199.42	-2.979	751.564	751.564
L	4209.42	-2.979	751.512	751.524
M	4219.42	-2.979	751.453	751.479
N	4229.42	-2.979	751.388	751.424
O	4239.42	-2.979	751.316	751.362
P	4249.42	-2.979	751.237	751.277
Q	4259.42	-2.979	751.152	751.184
R	4269.42	-2.979	751.060	751.078
⊕ Pier 3	4280.53	-2.979	750.951	750.951
S	4290.53	-2.979	750.845	750.845
T	4300.53	-2.979	750.733	750.736
U	4310.53	-2.979	750.614	750.620
V	4320.53	-2.979	750.489	750.494
⊕ Brg. E. Abut.	4331.63	-2.979	750.342	750.342
Bk. E. Abut.	4334.01	-2.979	750.310	750.310



DESIGNED	A.J.E. & T.S.H.
CHECKED	M.D.C.
DRAWN	A.J.E. & T.S.H.
CHECKED	M.D.C.

E-S 4-30-97

Work this sheet with sheet 5 of 20.

TOP OF SLAB ELEVATIONS

IL ROUTE 10 OVER I-72
F.A.I. ROUTE 72 SECTION 74-70HBR
PIATT COUNTY
STA. 1421+61.77
S.N. 074-0007

CUMMINS ENGINEERING CORPORATION	JOB #: 2088
	FILE: 088SLAB
	DATE: 5/14/04