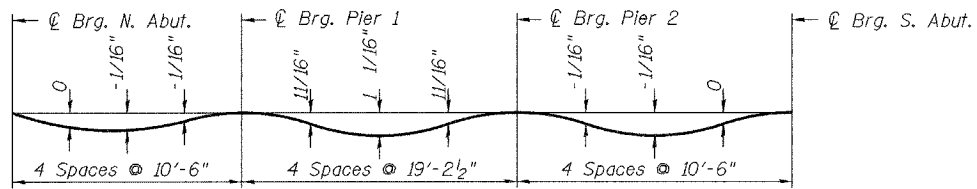


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
FAP 553	125 VBR-1F	DEKALB	15	5
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract #64B90



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.

SCREED ELEVATION FOR BEAM BM1				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BKNAB	143+38.78	14.79	789.2998	789.2998
BRNAB	143+40.13	14.79	789.3066	789.3066
A	143+50.13	14.79	789.3526	789.3526
B	143+60.13	14.79	789.3920	789.3889
C	143+70.13	14.79	789.4250	789.4181
PIER 1	143+82.13	14.79	789.4559	789.4559
D	143+92.13	14.79	789.4744	789.5012
E	144+02.13	14.79	789.4865	789.5450
F	144+12.13	14.79	789.4920	789.5745
G	144+22.13	14.79	789.4910	789.5796
H	144+32.13	14.79	789.4834	789.5594
I	144+42.13	14.79	789.4693	789.5182
J	144+52.13	14.79	789.4487	789.4658
PIER 2	144+58.96	14.79	789.4308	789.4308
K	144+68.96	14.79	789.3992	789.3922
L	144+78.96	14.79	789.3610	789.3570
M	144+88.96	14.79	789.3163	789.3160
BRSAB	145+00.96	14.79	789.2541	789.2541
BKSAB	145+02.32	14.79	789.2464	789.2464

SCREED ELEVATION FOR BEAM BM2				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BKNAB	143+36.34	8.87	789.3944	789.3944
BRNAB	143+37.69	8.87	789.4013	789.4013
A	143+47.69	8.87	789.4489	789.4489
B	143+57.69	8.87	789.4900	789.4869
C	143+67.69	8.87	789.5245	789.5176
PIER 1	143+79.69	8.87	789.5574	789.5574
D	143+89.69	8.87	789.5775	789.6043
E	143+99.69	8.87	789.5911	789.6496
F	144+09.69	8.87	789.5982	789.6807
G	144+19.69	8.87	789.5988	789.6874
H	144+29.69	8.87	789.5928	789.6688
I	144+39.69	8.87	789.5803	789.6292
J	144+49.69	8.87	789.5613	789.5784
PIER 2	144+56.52	8.87	789.5445	789.5445
K	144+66.52	8.87	789.5145	789.5075
L	144+76.52	8.87	789.4779	789.4739
M	144+86.52	8.87	789.4348	789.4345
BRSAB	144+98.52	8.87	789.3745	789.3745
BKSAB	144+99.88	8.87	789.3671	789.3671

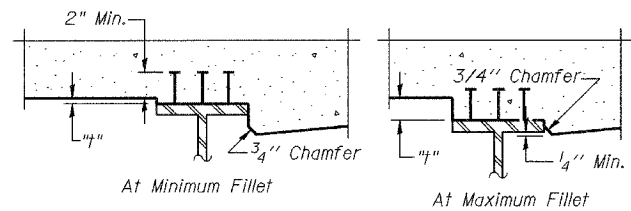
SCREED ELEVATION FOR PGL				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BKNAB	143+32.68	0.00	789.5140	789.5140
BRNAB	143+34.03	0.00	789.5213	789.5213
A	143+44.03	0.00	789.5713	789.5713
B	143+54.03	0.00	789.6147	789.6116
C	143+64.03	0.00	789.6517	789.6448
PIER 1	143+76.03	0.00	789.6873	789.6873
D	143+86.03	0.00	789.7099	789.7367
E	143+96.03	0.00	789.7259	789.7844
F	144+06.03	0.00	789.7354	789.8179
G	144+16.03	0.00	789.7384	789.8270
H	144+26.03	0.00	789.7348	789.8108
I	144+36.03	0.00	789.7247	789.7736
J	144+46.03	0.00	789.7080	789.7251
PIER 2	144+52.86	0.00	789.6929	789.6929
K	144+62.86	0.00	789.6653	789.6583
L	144+72.86	0.00	789.6311	789.6271
M	144+82.86	0.00	789.5904	789.5901
BRSAB	144+94.86	0.00	789.5329	789.5329
BKSAB	144+96.22	0.00	789.5258	789.5258

SCREED ELEVATION FOR BEAM BM5				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BKNAB	143+29.02	-8.87	789.3548	789.3548
BRNAB	143+30.37	-8.87	789.3623	789.3623
A	143+40.37	-8.87	789.4147	789.4147
B	143+50.37	-8.87	789.4606	789.4575
C	143+60.37	-8.87	789.4999	789.4930
PIER 1	143+72.37	-8.87	789.5385	789.5385
D	143+82.37	-8.87	789.5634	789.5902
E	143+92.37	-8.87	789.5818	789.6403
F	144+02.37	-8.87	789.5937	789.6762
G	144+12.37	-8.87	789.5990	789.6876
H	144+22.37	-8.87	789.5978	789.6738
I	144+32.37	-8.87	789.5901	789.6390
J	144+42.37	-8.87	789.5759	789.5930
PIER 2	144+49.20	-8.87	789.5624	789.5624
K	144+59.20	-8.87	789.5371	789.5301
L	144+69.20	-8.87	789.5053	789.5013
M	144+79.20	-8.87	789.4670	789.4667
BRSAB	144+91.20	-8.87	789.4124	789.4124
BKSAB	144+92.56	-8.87	789.4056	789.4056

SCREED ELEVATION FOR BEAM BM3				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BKNAB	143+33.90	2.96	789.4746	789.4746
BRNAB	143+35.25	2.96	789.4817	789.4817
A	143+45.25	2.96	789.5309	789.5309
B	143+55.25	2.96	789.5736	789.5705
C	143+65.25	2.96	789.6097	789.6028
PIER 1	143+77.25	2.96	789.6444	789.6444
D	143+87.25	2.96	789.6662	789.6930
E	143+97.25	2.96	789.6814	789.7399
F	144+07.25	2.96	789.6901	789.7726
G	144+17.25	2.96	789.6923	789.7809
H	144+27.25	2.96	789.6879	789.7639
I	144+37.25	2.96	789.6770	789.7259
J	144+47.25	2.96	789.6595	789.6766
PIER 2	144+54.08	2.96	789.6439	789.6439
K	144+64.08	2.96	789.6154	789.6084
L	144+74.08	2.96	789.5805	789.5765
M	144+84.08	2.96	789.5390	789.5387
BRSAB	144+96.08	2.96	789.4805	789.4805
BKSAB	144+97.44	2.96	789.4733	789.4733

SCREED ELEVATION FOR BEAM BM4				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BKNAB	143+31.46	-2.96	789.4614	789.4614
BRNAB	143+32.81	-2.96	789.4687	789.4687
A	143+42.81	-2.96	789.5195	789.5195
B	143+52.81	-2.96	789.5638	789.5607
C	143+62.81	-2.96	789.6015	789.5946
PIER 1	143+74.81	-2.96	789.6381	789.6381
D	143+84.81	-2.96	789.6615	789.6883
E	143+94.81	-2.96	789.6783	789.7368
F	144+04.81	-2.96	789.6886	789.7711
G	144+14.81	-2.96	789.6923	789.7809
H	144+24.81	-2.96	789.6896	789.7656
I	144+34.81	-2.96	789.6803	789.7292
J	144+44.81	-2.96	789.6644	789.6815
PIER 2	144+51.64	-2.96	789.6498	789.6498
K	144+61.64	-2.96	789.6230	789.6160
L	144+71.64	-2.96	789.5896	789.5856
M	144+81.64	-2.96	789.5497	789.5494
BRSAB	144+93.64	-2.96	789.4932	789.4932
BKSAB	144+95.00	-2.96	789.4862	789.4862

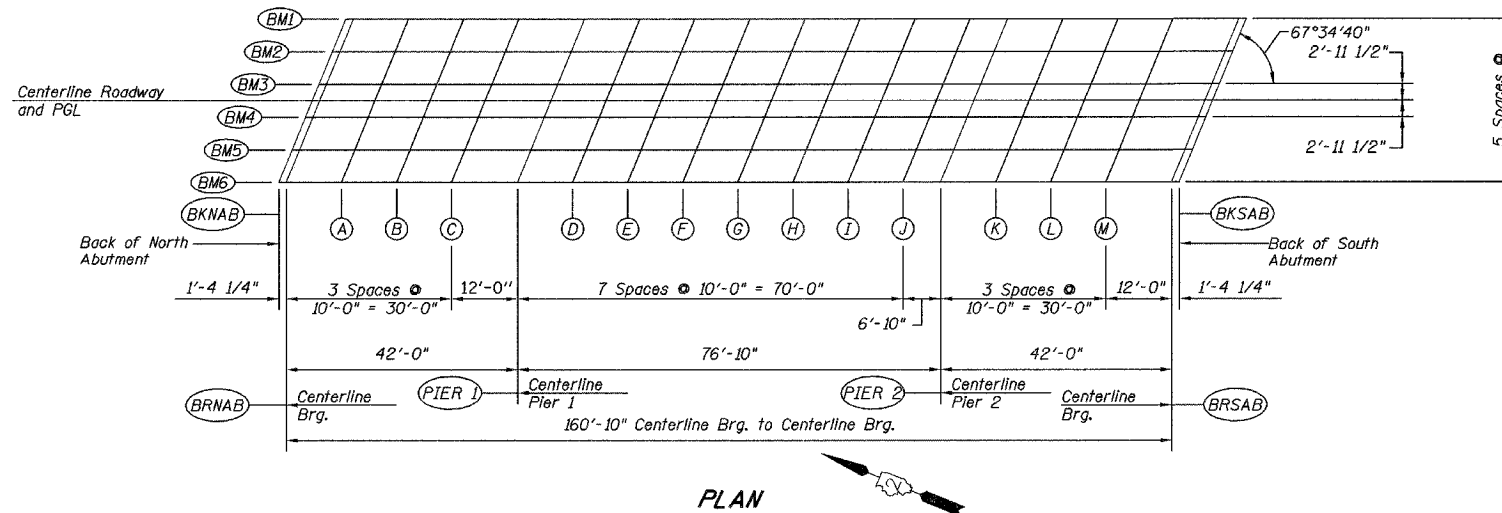
SCREED ELEVATION FOR BEAM BM6				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BKNAB	143+26.58	-14.79	789.2338	789.2338
BRNAB	143+27.93	-14.79	789.2416	789.2416
A	143+37.93	-14.79	789.2956	789.2956
B	143+47.93	-14.79	789.3430	789.3399
C	143+57.93	-14.79	789.3839	789.3770
PIER 1	143+69.93	-14.79	789.4244	789.4244
D	143+79.93	-14.79	789.4509	789.4777
E	143+89.93	-14.79	789.4709	789.5294
F	143+99.93	-14.79	789.4844	789.5669
G	144+09.93	-14.79	789.4913	789.5799
H	144+19.93	-14.79	789.4917	789.5677
I	144+29.93	-14.79	789.4856	789.5345
J	144+39.93	-14.79	789.4730	789.4901
PIER 2	144+46.76	-14.79	789.4605	789.4605
K	144+56.76	-14.79	789.4369	789.4299
L	144+66.76	-14.79	789.4067	789.4027
M	144+76.76	-14.79	789.3700	789.3697
BRSAB	144+88.76	-14.79	789.3173	789.3173
BKSAB	144+90.12	-14.79	789.3107	789.3107



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

DESIGNED	JKC
CHECKED	JDA
DRAWN	ARR
CHECKED	JKC



DECK ELEVATIONS
IL RTE 72 OVER
IOWA CHICAGO & EASTERN RAILROAD
FAP ROUTE 553
SECTION 125VBR-1F
DEKALB COUNTY
STA. 144+14.40
SN 019-0047