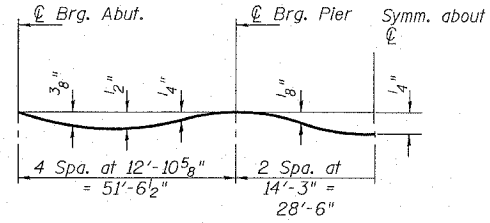


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

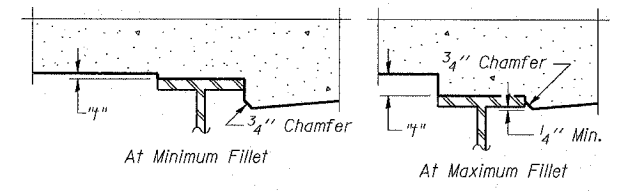
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.L. F.A. 646	(102) BR-3	Whiteside	57	16
ILLINOIS FED. AID PROJECT-		CONTRACT NO. 64426		

24 SHEETS



**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.



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**

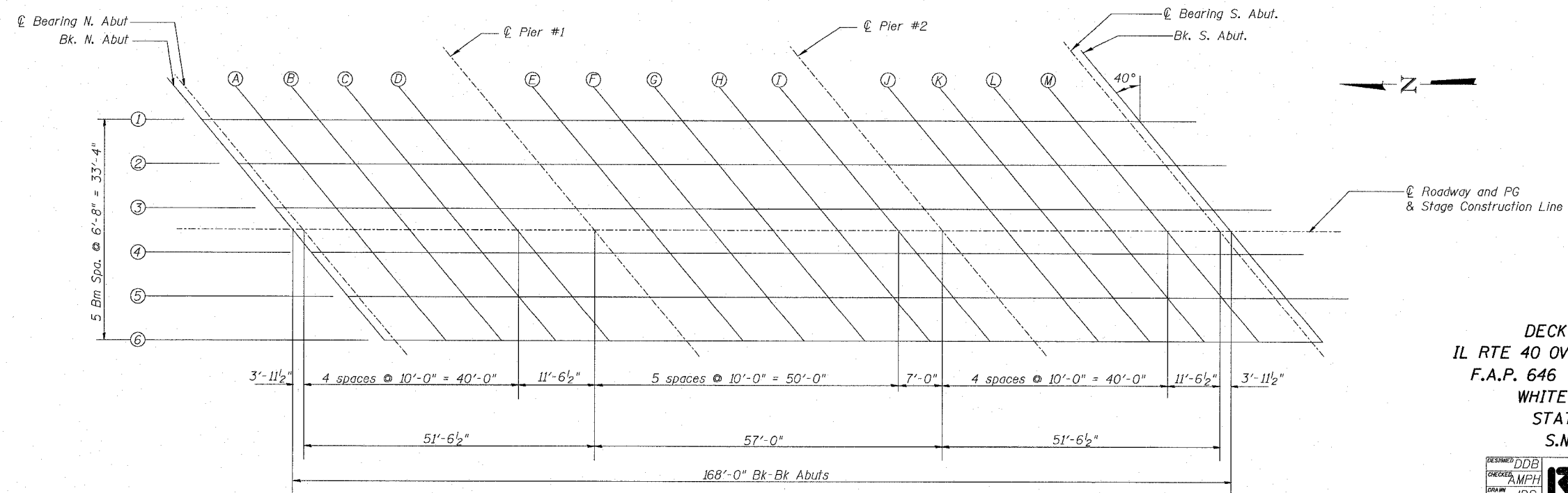
Location	Station	Offset		Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
BK. N. ABUT.	557+40.02	16.667	Lt	648.229	648.229
CL. BRG. N. ABUT.	557+43.97	16.667	Lt	648.238	648.238
A	557+53.97	16.667	Lt	648.257	648.292
B	557+63.97	16.667	Lt	648.273	648.327
C	557+73.97	16.667	Lt	648.286	648.334
D	557+83.97	16.667	Lt	648.295	648.320
CL. PIER #1	557+95.52	16.667	Lt	648.302	648.302
E	558+05.52	16.667	Lt	648.304	648.308
F	558+15.52	16.667	Lt	648.303	648.320
G	558+25.52	16.667	Lt	648.298	648.319
H	558+35.52	16.667	Lt	648.290	648.304
I	558+45.52	16.667	Lt	648.279	648.281
CL. PIER #2	558+52.52	16.667	Lt	648.269	648.269
J	558+62.52	16.667	Lt	648.252	648.272
K	558+72.52	16.667	Lt	648.232	648.277
L	558+82.52	16.667	Lt	648.208	648.262
M	558+92.52	16.667	Lt	648.181	648.221
CL BRG. S. ABUT.	559+04.06	16.667	Lt	648.146	648.146
BK. S. ABUT.	559+08.02	16.667	Lt	648.133	648.133

**BEAM 2**

Location	Station	Offset		Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
BK. N. ABUT	557+45.61	10.000	Lt	648.370	648.370
CL. BRG. N. ABUT.	557+49.57	10.000	Lt	648.378	648.378
A	557+59.57	10.000	Lt	648.395	648.429
B	557+69.57	10.000	Lt	648.409	648.463
C	557+79.57	10.000	Lt	648.420	648.469
D	557+89.57	10.000	Lt	648.428	648.453
CL. PIER #1	558+01.11	10.000	Lt	648.432	648.432
E	558+11.11	10.000	Lt	648.432	648.436
F	558+21.11	10.000	Lt	648.429	648.447
G	558+31.11	10.000	Lt	648.423	648.444
H	558+41.11	10.000	Lt	648.413	648.426
I	558+51.11	10.000	Lt	648.400	648.401
CL. PIER #2	558+58.11	10.000	Lt	648.389	648.389
J	558+68.11	10.000	Lt	648.370	648.390
K	558+78.11	10.000	Lt	648.347	648.392
L	558+88.11	10.000	Lt	648.322	648.376
M	558+98.11	10.000	Lt	648.293	648.333
CL BRG. S. ABUT.	559+09.65	10.000	Lt	648.256	648.256
BK. S. ABUT.	559+13.61	10.000	Lt	648.242	648.242

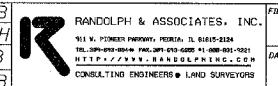
**BEAM 3**

Location	Station	Offset		Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
BK. N. ABUT	557+51.20	3.333	Lt	648.485	648.485
CL. BRG. N. ABUT.	557+55.16	3.333	Lt	648.492	648.492
A	557+65.16	3.333	Lt	648.508	648.542
B	557+75.16	3.333	Lt	648.520	648.573
C	557+85.16	3.333	Lt	648.529	648.577
D	557+95.16	3.333	Lt	648.534	648.559
CL. PIER #1	558+06.70	3.333	Lt	648.537	648.537
E	558+16.70	3.333	Lt	648.535	648.539
F	558+26.70	3.333	Lt	648.530	648.548
G	558+36.70	3.333	Lt	648.522	648.543
H	558+46.70	3.333	Lt	648.510	648.523
I	558+56.70	3.333	Lt	648.495	648.497
CL. PIER #2	558+63.70	3.333	Lt	648.482	648.482
J	558+73.70	3.333	Lt	648.462	648.482
K	558+83.70	3.333	Lt	648.438	648.483
L	558+93.70	3.333	Lt	648.410	648.464
M	559+03.70	3.333	Lt	648.380	648.420
CL BRG. S. ABUT.	559+15.25	3.333	Lt	648.340	648.340
BK. S. ABUT.	559+19.20	3.333	Lt	648.325	648.325



DECK ELEVATIONS  
IL RTE 40 OVER WINNEBAGO DITCH  
F.A.P. 646 SECTION (102)BR-3  
WHITESIDE COUNTY  
STATION 558+38  
S.N. 098-0109

DESIGNED	DDB	FILE NUMBER	136.110
CHECKED	AMPH	DATE	Aug. 2005
DRAWN	JDB		
CHECKED	DDB		



R:\Projects\0136\110 Wrm.ph\1\br\tdge.planset\04 deck elevat ions.dgn

8/2/2005 9:59:29 AM