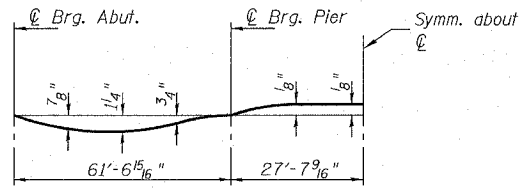


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I.	(102)	Whiteside	69	24
F. A. 646	BR-2			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 64427

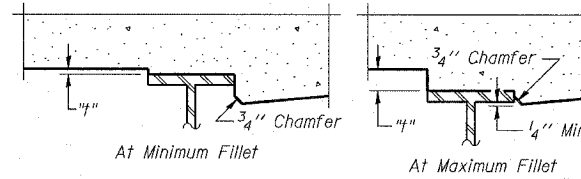
SHEET NO. 4
25 SHEETS



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.



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

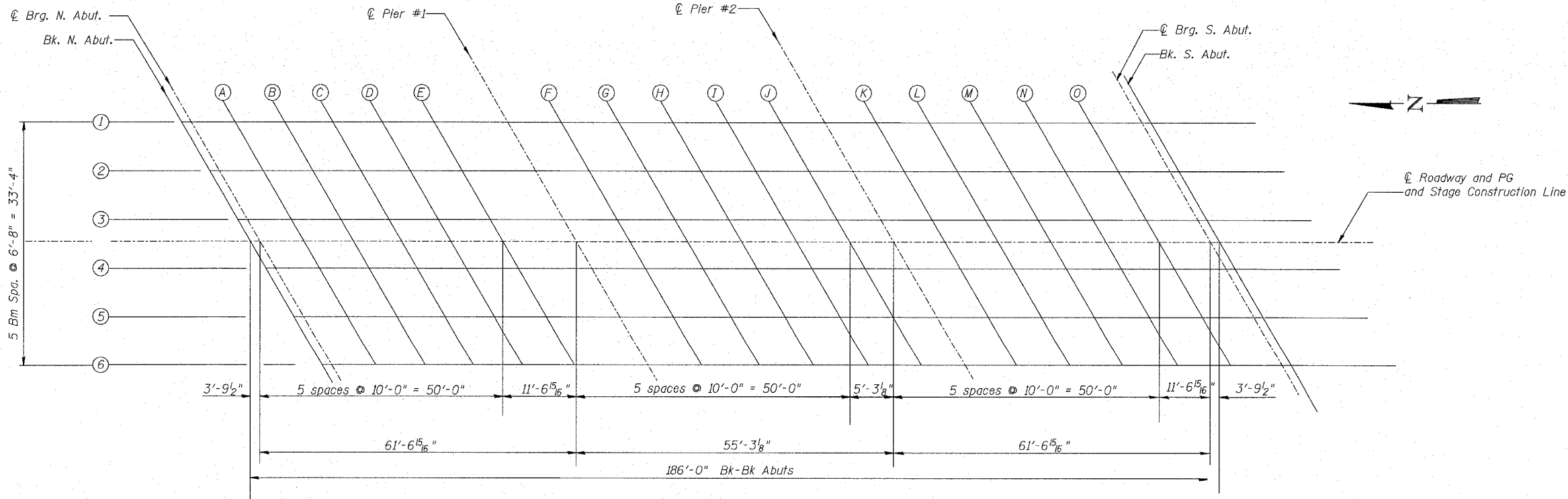
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
BK. N. ABUT.	673+72.16	16.667 Lt	646.828	646.828
BRG. N. ABUT.	673+75.95	16.667 Lt	646.849	646.849
A	673+85.95	16.667 Lt	646.902	646.959
B	673+95.95	16.667 Lt	646.949	647.044
C	674+05.95	16.667 Lt	646.991	647.095
D	674+15.95	16.667 Lt	647.027	647.111
E	674+25.95	16.667 Lt	647.058	647.102
PIER #1	674+37.53	16.667 Lt	647.087	647.087
F	674+47.53	16.667 Lt	647.106	647.093
G	674+57.53	16.667 Lt	647.119	647.106
H	674+67.53	16.667 Lt	647.128	647.116
I	674+77.53	16.667 Lt	647.130	647.117
J	674+87.53	16.667 Lt	647.128	647.119
PIER #2	674+92.79	16.667 Lt	647.124	647.124
K	675+02.79	16.667 Lt	647.113	647.150
L	675+12.79	16.667 Lt	647.097	647.175
M	675+22.79	16.667 Lt	647.075	647.178
N	675+32.79	16.667 Lt	647.048	647.146
O	675+42.79	16.667 Lt	647.015	647.080
BRG. S. ABUT.	675+54.37	16.667 Lt	646.970	646.970
BK. S. ABUT.	675+58.16	16.667 Lt	646.954	646.954

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
BK. N. ABUT	673+77.15	10.000 Lt	646.984	646.984
BRG. N. ABUT.	673+80.94	10.000 Lt	647.005	647.005
A	673+90.94	10.000 Lt	647.054	647.111
B	674+00.94	10.000 Lt	647.099	647.194
C	674+10.94	10.000 Lt	647.138	647.242
D	674+20.94	10.000 Lt	647.171	647.255
E	674+30.94	10.000 Lt	647.200	647.244
PIER #1	674+42.52	10.000 Lt	647.225	647.225
F	674+52.52	10.000 Lt	647.242	647.229
G	674+62.52	10.000 Lt	647.253	647.240
H	674+72.52	10.000 Lt	647.258	647.246
I	674+82.52	10.000 Lt	647.258	647.245
J	674+92.52	10.000 Lt	647.253	647.244
PIER #2	674+97.78	10.000 Lt	647.248	647.248
K	675+07.78	10.000 Lt	647.234	647.271
L	675+17.78	10.000 Lt	647.215	647.293
M	675+27.78	10.000 Lt	647.190	647.293
N	675+37.78	10.000 Lt	647.160	647.258
O	675+47.78	10.000 Lt	647.125	647.190
BRG. S. ABUT.	675+59.36	10.000 Lt	647.077	647.077
BK. S. ABUT.	675+63.15	10.000 Lt	647.060	647.060

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
BK. N. ABUT	673+82.13	3.333 Lt	647.115	647.115
BRG. N. ABUT.	673+85.93	3.333 Lt	647.134	647.134
A	673+95.93	3.333 Lt	647.181	647.238
B	674+05.93	3.333 Lt	647.223	647.318
C	674+15.93	3.333 Lt	647.259	647.363
D	674+25.93	3.333 Lt	647.290	647.374
E	674+35.93	3.333 Lt	647.316	647.360
PIER #1	674+47.51	3.333 Lt	647.338	647.338
F	674+57.51	3.333 Lt	647.352	647.339
G	674+67.51	3.333 Lt	647.360	647.347
H	674+77.51	3.333 Lt	647.363	647.351
I	674+87.51	3.333 Lt	647.360	647.347
J	674+97.51	3.333 Lt	647.352	647.343
PIER #2	675+02.77	3.333 Lt	647.346	647.346
K	675+12.77	3.333 Lt	647.329	647.366
L	675+22.77	3.333 Lt	647.307	647.385
M	675+32.77	3.333 Lt	647.280	647.383
N	675+42.77	3.333 Lt	647.248	647.346
O	675+52.77	3.333 Lt	647.209	647.274
BRG. S. ABUT.	675+64.35	3.333 Lt	647.158	647.158
BK. S. ABUT.	675+68.14	3.333 Lt	647.140	647.140



PLAN

DECK ELEVATIONS
IL RTE 40 OVER GREEN RIVER
F.A.P. 646 SECTION (102)BR-2
WHITESIDE COUNTY
STATION 674+77.63
S.N. 098-0018

DESIGNED	DDB	FILE NUMBER	136.111
CHECKED	JFJ	DATE	Aug. 2005
DRAWN	JDB		
CHECKED	DDB		

RANDOLPH & ASSOCIATES, INC.
111 N. PEARSON PARKWAY, PEORIA, IL 61659-2124
TEL: (309) 691-2222 FAX: (309) 691-2223
ILLINOIS PROFESSIONAL ENGINEERS AND SURVEYORS

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