

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO. S4
F. A. P. 846	4-RB	WILL	87	32
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62269

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S ABUT.	1304+45.125	-16.125	569.452	569.452
CL BRG S ABUT.	1304+47.500	-16.125	569.464	569.464
A	1304+57.500	-16.125	569.514	569.521
B	1304+67.500	-16.125	569.564	569.570
CL PIER 2	1304+79.250	-16.125	569.622	569.622
C	1304+89.250	-16.125	569.672	569.681
D	1304+99.250	-16.125	569.722	569.738
E	1305+09.250	-16.125	569.772	569.783
CL PIER 1	1305+20.750	-16.125	569.830	569.830
F	1305+30.750	-16.125	569.880	569.885
G	1305+40.750	-16.125	569.930	569.938
CL BRG. N ABUT.	1305+52.500	-16.125	569.989	569.989
BK. OF N ABUT.	1305+54.875	-16.125	570.000	570.000

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S ABUT.	1304+45.125	-8.875	569.586	569.586
CL BRG S ABUT.	1304+47.500	-8.875	569.598	569.598
A	1304+57.500	-8.875	569.648	569.656
B	1304+67.500	-8.875	569.698	569.704
CL PIER 2	1304+79.250	-8.875	569.757	569.757
C	1304+89.250	-8.875	569.807	569.816
D	1304+99.250	-8.875	569.857	569.873
E	1305+09.250	-8.875	569.907	569.917
CL PIER 1	1305+20.750	-8.875	569.965	569.965
F	1305+30.750	-8.875	570.015	570.019
G	1305+40.750	-8.875	570.065	570.073
CL BRG. N ABUT.	1305+52.500	-8.875	570.123	570.123
BK. OF N ABUT.	1305+54.875	-8.875	570.135	570.135

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S ABUT.	1304+45.125	-1.625	569.700	569.700
CL BRG S ABUT.	1304+47.500	-1.625	569.712	569.712
A	1304+57.500	-1.625	569.762	569.769
B	1304+67.500	-1.625	569.812	569.818
CL PIER 2	1304+79.250	-1.625	569.870	569.870
C	1304+89.250	-1.625	569.920	569.929
D	1304+99.250	-1.625	569.970	569.986
E	1305+09.250	-1.625	570.020	570.031
CL PIER 1	1305+20.750	-1.625	570.078	570.078
F	1305+30.750	-1.625	570.128	570.133
G	1305+40.750	-1.625	570.178	570.186
CL BRG. N ABUT.	1305+52.500	-1.625	570.237	570.237
BK. OF N ABUT.	1305+54.875	-1.625	570.248	570.248

☉ N BOUND IL. RTE. 53 & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S ABUT.	1304+45.125	0.000	569.725	569.725
CL BRG S ABUT.	1304+47.500	0.000	569.737	569.737
A	1304+57.500	0.000	569.787	569.795
B	1304+67.500	0.000	569.837	569.843
CL PIER 2	1304+79.250	0.000	569.896	569.896
C	1304+89.250	0.000	569.946	569.954
D	1304+99.250	0.000	569.996	570.011
E	1305+09.250	0.000	570.046	570.056
CL PIER 1	1305+20.750	0.000	570.103	570.103
F	1305+30.750	0.000	570.153	570.158
G	1305+40.750	0.000	570.203	570.211
CL BRG. N ABUT.	1305+52.500	0.000	570.262	570.262
BK. OF N ABUT.	1305+54.875	0.000	570.274	570.274

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S ABUT.	1304+45.125	5.625	569.637	569.637
CL BRG S ABUT.	1304+47.500	5.625	569.649	569.649
A	1304+57.500	5.625	569.699	569.707
B	1304+67.500	5.625	569.749	569.755
CL PIER 2	1304+79.250	5.625	569.808	569.808
C	1304+89.250	5.625	569.858	569.867
D	1304+99.250	5.625	569.908	569.924
E	1305+09.250	5.625	569.958	569.968
CL PIER 1	1305+20.750	5.625	570.015	570.015
F	1305+30.750	5.625	570.065	570.07
G	1305+40.750	5.625	570.115	570.124
CL BRG. N ABUT.	1305+52.500	5.625	570.174	570.174
BK. OF N ABUT.	1305+54.875	5.625	570.186	570.186

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S ABUT.	1304+45.125	12.875	569.519	569.519
CL BRG S ABUT.	1304+47.500	12.875	569.531	569.531
A	1304+57.500	12.875	569.581	569.589
B	1304+67.500	12.875	569.631	569.637
CL PIER 2	1304+79.250	12.875	569.690	569.690
C	1304+89.250	12.875	569.740	569.749
D	1304+99.250	12.875	569.790	569.806
E	1305+09.250	12.875	569.840	569.850
CL PIER 1	1305+20.750	12.875	569.898	569.898
F	1305+30.750	12.875	569.947	569.952
G	1305+40.750	12.875	569.997	570.006
CL BRG. N ABUT.	1305+52.500	12.875	570.056	570.056
BK. OF N ABUT.	1305+54.875	12.875	570.068	570.068

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S ABUT.	1304+45.125	20.125	569.368	569.368
CL BRG S ABUT.	1304+47.500	20.125	569.380	569.380
A	1304+57.500	20.125	569.430	569.438
B	1304+67.500	20.125	569.480	569.486
CL PIER 2	1304+79.250	20.125	569.539	569.539
C	1304+89.250	20.125	569.589	569.598
D	1304+99.250	20.125	569.639	569.655
E	1305+09.250	20.125	569.689	569.699
CL PIER 1	1305+20.750	20.125	569.747	569.747
F	1305+30.750	20.125	569.796	569.801
G	1305+40.750	20.125	569.846	569.855
CL BRG. N ABUT.	1305+52.500	20.125	569.905	569.905
BK. OF N ABUT.	1305+54.875	20.125	569.917	569.917

DESIGNED	NDS/GMK
CHECKED	MTP/SMK/GBC
DRAWN	NDS/DCB
CHECKED	SMK/GBC

- NOTES:
1. For elevations location plan see sheet no. S3
  2. Elevations shown are to the top of concrete deck.
  3. All elevations and offsets are in feet.
  4. Offsets: + is to the right of ☉ IL Route 53 looking upstation.  
- is to the left of ☉ IL Route 53 looking upstation.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATION TABLES

FAP 846  
NB IL. ROUTE 53 OVER PRAIRIE CREEK  
STATION 1305+00 SECTION 4-RB  
WILL COUNTY

STRUCTURE NO. 099-0090

SCALE: NONE  
DATE: AUGUST 2007

 DELTA ENGINEERING INC.  
CONSULTING ENGINEERS, CHICAGO, ILLINOIS