

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	148+77.2500	-18.500	407.2952	407.2952
☉ Brg. W. Abutment	148+78.5000	-18.500	407.2997	407.2997
A	148+88.5000	-18.500	407.3349	407.3434
B	148+98.5000	-18.500	407.3664	407.3756
C	149+08.5000	-18.500	407.3937	407.3962
☉ Brg. Pier 1	149+20.5000	-18.500	407.4209	407.4209
D	149+30.5000	-18.500	407.4391	407.4522
E	149+40.5000	-18.500	407.4531	407.4817
F	149+50.5000	-18.500	407.4630	407.4976
G	149+60.5000	-18.500	407.4687	407.4961
H	149+70.5000	-18.500	407.4703	407.4817
☉ Brg. Pier 2	149+79.5000	-18.500	407.4681	407.4681
I	149+89.5000	-18.500	407.4618	407.4643
J	149+99.5000	-18.500	407.4514	407.4602
K	150+09.5000	-18.500	407.4368	407.4459
☉ Brg. E. Abutment	150+21.5000	-18.500	407.4141	407.4141
Bk. E. Abutment	150+22.7500	-18.500	407.4116	407.4116

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	148+77.2500	-12.3334	407.4237	407.4237
☉ Brg. W. Abutment	148+78.5000	-12.3334	407.4282	407.4282
A	148+88.5000	-12.3334	407.4634	407.4718
B	148+98.5000	-12.3334	407.4948	407.5041
C	149+08.5000	-12.3334	407.5221	407.5246
☉ Brg. Pier 1	149+20.5000	-12.3334	407.5494	407.5494
D	149+30.5000	-12.3334	407.5676	407.5807
E	149+40.5000	-12.3334	407.5816	407.6102
F	149+50.5000	-12.3334	407.5914	407.6261
G	149+60.5000	-12.3334	407.5972	407.6246
H	149+70.5000	-12.3334	407.5987	407.6102
☉ Brg. Pier 2	149+79.5000	-12.3334	407.5966	407.5966
I	149+89.5000	-12.3334	407.5903	407.5928
J	149+99.5000	-12.3334	407.5798	407.5887
K	150+09.5000	-12.3334	407.5652	407.5744
☉ Brg. E. Abutment	150+21.5000	-12.3334	407.5426	407.5426
Bk. E. Abutment	150+22.7500	-12.3334	407.5401	407.5401

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	148+77.2500	-6.1667	407.5217	407.5217
☉ Brg. W. Abutment	148+78.5000	+6.1667	407.5262	407.5262
A	148+88.5000	-6.1667	407.5615	407.5699
B	148+98.5000	-6.1667	407.5929	407.6022
C	149+08.5000	-6.1667	407.6202	407.6227
☉ Brg. Pier 1	149+20.5000	-6.1667	407.6475	407.6475
D	149+30.5000	-6.1667	407.6657	407.6787
E	149+40.5000	-6.1667	407.6797	407.7083
F	149+50.5000	-6.1667	407.6895	407.7242
G	149+60.5000	-6.1667	407.6953	407.7227
H	149+70.5000	-6.1667	407.6968	407.7082
☉ Brg. Pier 2	149+79.5000	-6.1667	407.6947	407.6947
I	149+89.5000	-6.1667	407.6884	407.6909
J	149+99.5000	-6.1667	407.6779	407.6868
K	150+09.5000	-6.1667	407.6633	407.6725
☉ Brg. E. Abutment	150+21.5000	-6.1667	407.6406	407.6406
Bk. E. Abutment	150+22.7500	-6.1667	407.6381	407.6381

**TOP OF SLAB ELEVATIONS
ILLINOIS ROUTE 4/15 OVER
KASKASKIA OVERFLOW
F.A.P. ROUTE 817 SEC 421B-1
ST. CLAIR COUNTY
STATION 149+50.00
STRUCTURE NO. 082-0275**

Notes:

Elevations are at top of concrete.

Work this sheet with sheet 4, 6, & 7 of 28.

All stations and offsets are given with respect to centerline of the profile grade.

DESIGNED	DB
CHECKED	RS
DRAWN	ER
CHECKED	WWH



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SHEET NO. 5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	817	421B-1	ST. CLAIR	56	24
28 SHEETS	STRUCTURE NO. 082-0275		CONTRACT NO. 76885		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		