

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5 25 SHEETS
F.A.U. 9181	52BR	ST. CLAIR	41	21	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #76120

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	3936.05	-25.33	420.31	420.31
⊕ Brg. W. Abut.	3937.80	-25.33	420.32	420.32
C	3947.80	-25.33	420.38	420.38
D	3957.80	-25.33	420.43	420.43
⊕ Brg. Pier 1	3967.80	-25.33	420.47	420.47
E	3977.80	-25.33	420.50	420.51
F	3987.80	-25.33	420.52	420.54
G	3997.80	-25.33	420.53	420.54
⊕ Brg. Pier 2	4011.80	-25.33	420.53	420.53
H	4021.80	-25.33	420.52	420.52
I	4031.80	-25.33	420.50	420.51
⊕ Brg. E. Abut.	4041.80	-25.33	420.47	420.47
Bk. of E. Abut.	4043.55	-25.33	420.47	420.47

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	3936.05	-19.25	420.44	420.44
⊕ Brg. W. Abut.	3937.80	-19.25	420.45	420.45
C	3947.80	-19.25	420.51	420.51
D	3957.80	-19.25	420.56	420.56
⊕ Brg. Pier 1	3967.80	-19.25	420.59	420.59
E	3977.80	-19.25	420.62	420.63
F	3987.80	-19.25	420.65	420.66
G	3997.80	-19.25	420.66	420.67
⊕ Brg. Pier 2	4011.80	-19.25	420.66	420.66
H	4021.80	-19.25	420.65	420.65
I	4031.80	-19.25	420.63	420.63
⊕ Brg. E. Abut.	4041.80	-19.25	420.60	420.60
Bk. of E. Abut.	4043.55	-19.25	420.59	420.59

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	3936.05	-13.17	420.57	420.57
⊕ Brg. W. Abut.	3937.80	-13.17	420.58	420.58
C	3947.80	-13.17	420.63	420.64
D	3957.80	-13.17	420.68	420.68
⊕ Brg. Pier 1	3967.80	-13.17	420.72	420.72
E	3977.80	-13.17	420.75	420.76
F	3987.80	-13.17	420.77	420.79
G	3997.80	-13.17	420.78	420.80
⊕ Brg. Pier 2	4011.80	-13.17	420.78	420.78
H	4021.80	-13.17	420.77	420.78
I	4031.80	-13.17	420.76	420.76
⊕ Brg. E. Abut.	4041.80	-13.17	420.73	420.73
Bk. of E. Abut.	4043.55	-13.17	420.72	420.72

**BEAM 4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	3936.05	-7.08	420.67	420.67
⊕ Brg. W. Abut.	3937.80	-7.08	420.68	420.68
C	3947.80	-7.08	420.73	420.74
D	3957.80	-7.08	420.78	420.78
⊕ Brg. Pier 1	3967.80	-7.08	420.82	420.82
E	3977.80	-7.08	420.85	420.86
F	3987.80	-7.08	420.87	420.89
G	3997.80	-7.08	420.88	420.90
⊕ Brg. Pier 2	4011.80	-7.08	420.89	420.89
H	4021.80	-7.08	420.88	420.88
I	4031.80	-7.08	420.86	420.86
⊕ Brg. E. Abut.	4041.80	-7.08	420.83	420.83
Bk. of E. Abut.	4043.55	-7.08	420.82	420.82

**BEAM 5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	3936.05	-1.00	420.76	420.76
⊕ Brg. W. Abut.	3937.80	-1.00	420.77	420.77
C	3947.80	-1.00	420.83	420.83
D	3957.80	-1.00	420.88	420.88
⊕ Brg. Pier 1	3967.80	-1.00	420.92	420.92
E	3977.80	-1.00	420.95	420.96
F	3987.80	-1.00	420.97	420.98
G	3997.80	-1.00	420.98	420.99
⊕ Brg. Pier 2	4011.80	-1.00	420.98	420.98
H	4021.80	-1.00	420.97	420.97
I	4031.80	-1.00	420.95	420.95
⊕ Brg. E. Abut.	4041.80	-1.00	420.92	420.92
Bk. of E. Abut.	4043.55	-1.00	420.92	420.92

**⊕ ROADWAY, P.G., & STAGE CONSTRUCTION JOINT**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	3936.05	0.00	420.78	420.78
⊕ Brg. W. Abut.	3937.80	0.00	420.79	420.79
C	3947.80	0.00	420.85	420.85
D	3957.80	0.00	420.89	420.89
⊕ Brg. Pier 1	3967.80	0.00	420.93	420.93
E	3977.80	0.00	420.96	420.97
F	3987.80	0.00	420.98	421.00
G	3997.80	0.00	420.99	421.01
⊕ Brg. Pier 2	4011.80	0.00	421.00	421.00
H	4021.80	0.00	420.99	420.99
I	4031.80	0.00	420.97	420.97
⊕ Brg. E. Abut.	4041.80	0.00	420.94	420.94
Bk. of E. Abut.	4043.55	0.00	420.93	420.93

DESIGNED	W.A.B.
CHECKED	D.F.Z.
DRAWN	PAUL W. SWEET
CHECKED	DFZ/SMR/DPN

November 23, 2009  
 EXAMINED *Thomas J. Demagali*  
 ENGINEER OF BRIDGE DESIGN  
 PASSED *Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES

**TOP OF SLAB ELEVATIONS**  
**F.A.U. RTE. 9181 - SECTION 52BR**  
**ST. CLAIR COUNTY**  
**STATION 39+89.80**  
**STRUCTURE NO. 082-0136**