

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 751	101B-2	PIKE	48	29
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 4  
14 SHEETS

Contract #72928

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	38061.50	-16.67	464.92	464.92
⊕ Brg. W. Abut.	38062.75	-16.67	464.92	464.92
A	38072.75	-16.67	464.95	465.01
B	38082.75	-16.67	464.97	465.08
C	38092.75	-16.67	464.98	465.11
D	38102.75	-16.67	464.98	465.13
E	38112.75	-16.67	464.98	465.10
F	38122.75	-16.67	464.96	465.05
⊕ Brg. E. Abut.	38137.25	-16.67	464.93	464.93
Bk. E. Abut.	38138.50	-16.67	464.93	464.93

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	38061.50	-10.00	465.05	465.05
⊕ Brg. W. Abut.	38062.75	-10.00	465.05	465.05
A	38072.75	-10.00	465.08	465.14
B	38082.75	-10.00	465.10	465.21
C	38092.75	-10.00	465.11	465.24
D	38102.75	-10.00	465.11	465.25
E	38112.75	-10.00	465.10	465.23
F	38122.75	-10.00	465.09	465.18
⊕ Brg. E. Abut.	38137.25	-10.00	465.06	465.06
Bk. E. Abut.	38138.50	-10.00	465.05	465.05

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	38061.50	-3.33	465.15	465.15
⊕ Brg. W. Abut.	38062.75	-3.33	465.15	465.15
A	38072.75	-3.33	465.18	465.24
B	38082.75	-3.33	465.20	465.31
C	38092.75	-3.33	465.21	465.35
D	38102.75	-3.33	465.21	465.36
E	38112.75	-3.33	465.21	465.33
F	38122.75	-3.33	465.19	465.28
⊕ Brg. E. Abut.	38137.25	-3.33	465.16	465.16
Bk. E. Abut.	38138.50	-3.33	465.16	465.16

**⊕ ROADWAY & P.G.**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	38061.50	0.00	465.20	465.20
⊕ Brg. W. Abut.	38062.75	0.00	465.21	465.21
A	38072.75	0.00	465.23	465.29
B	38082.75	0.00	465.25	465.36
C	38092.75	0.00	465.26	465.40
D	38102.75	0.00	465.26	465.41
E	38112.75	0.00	465.26	465.38
F	38122.75	0.00	465.25	465.33
⊕ Brg. E. Abut.	38137.25	0.00	465.21	465.21
Bk. E. Abut.	38138.50	0.00	465.21	465.21

**BEAM 4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	38061.50	3.33	465.15	465.15
⊕ Brg. W. Abut.	38062.75	3.33	465.15	465.15
A	38072.75	3.33	465.18	465.24
B	38082.75	3.33	465.20	465.31
C	38092.75	3.33	465.21	465.35
D	38102.75	3.33	465.21	465.36
E	38112.75	3.33	465.21	465.33
F	38122.75	3.33	465.19	465.28
⊕ Brg. E. Abut.	38137.25	3.33	465.16	465.16
Bk. E. Abut.	38138.50	3.33	465.16	465.16

**BEAM 5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	38061.50	10.00	465.05	465.05
⊕ Brg. W. Abut.	38062.75	10.00	465.05	465.05
A	38072.75	10.00	465.08	465.14
B	38082.75	10.00	465.10	465.21
C	38092.75	10.00	465.11	465.24
D	38102.75	10.00	465.11	465.25
E	38112.75	10.00	465.10	465.23
F	38122.75	10.00	465.09	465.18
⊕ Brg. E. Abut.	38137.25	10.00	465.06	465.06
Bk. E. Abut.	38138.50	10.00	465.05	465.05

**BEAM 6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	38061.50	16.67	464.92	464.92
⊕ Brg. W. Abut.	38062.75	16.67	464.92	464.92
A	38072.75	16.67	464.95	465.01
B	38082.75	16.67	464.97	465.08
C	38092.75	16.67	464.98	465.11
D	38102.75	16.67	464.98	465.13
E	38112.75	16.67	464.98	465.10
F	38122.75	16.67	464.96	465.05
⊕ Brg. E. Abut.	38137.25	16.67	464.93	464.93
Bk. E. Abut.	38138.50	16.67	464.93	464.93

DESIGNED	Nicholas R. Barnett
CHECKED	Phillip R. Litchfield
DRAWN	Greg D. Farmer
CHECKED	NRB/PRL

August 30, 2007  
 EXAMINED *Thomas J. Damagalki*  
 ENGINEER OF BRIDGE DESIGN  
 PASSED *Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES

**TOP OF SLAB ELEVATIONS  
F.A.P. RT. 751 SEC. 101B-2  
PIKE COUNTY  
STATION 381+00.00  
STRUCTURE NO. 075-0507**