

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5
FAP 821	13B-1	JEFFERSON	39	18	17 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #98957

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	119966.50	-18.33	440.54	440.54
⊕ Brg. W. Abut	119967.75	-18.33	440.54	440.54
A	119977.75	-18.33	440.57	440.58
B	119987.75	-18.33	440.59	440.61
C	119997.75	-18.33	440.61	440.63
D	120007.75	-18.33	440.62	440.63
E	120017.75	-18.33	440.63	440.63
⊕ Brg. Pier	120029.00	-18.33	440.63	440.63
F	120039.00	-18.33	440.63	440.65
G	120049.00	-18.33	440.63	440.67
H	120059.00	-18.33	440.62	440.68
I	120069.00	-18.33	440.61	440.68
J	120079.00	-18.33	440.59	440.66
K	120089.00	-18.33	440.57	440.62
⊕ Brg. E. Abut	120102.25	-18.33	440.54	440.54
Bk. E. Abut	120103.50	-18.33	440.54	440.54

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	119966.50	-11.00	440.69	440.69
⊕ Brg. W. Abut	119967.75	-11.00	440.69	440.69
A	119977.75	-11.00	440.71	440.73
B	119987.75	-11.00	440.74	440.76
C	119997.75	-11.00	440.75	440.77
D	120007.75	-11.00	440.77	440.78
E	120017.75	-11.00	440.77	440.78
⊕ Brg. Pier	120029.00	-11.00	440.78	440.78
F	120039.00	-11.00	440.78	440.80
G	120049.00	-11.00	440.78	440.82
H	120059.00	-11.00	440.77	440.83
I	120069.00	-11.00	440.76	440.83
J	120079.00	-11.00	440.74	440.81
K	120089.00	-11.00	440.72	440.77
⊕ Brg. E. Abut	120102.25	-11.00	440.69	440.69
Bk. E. Abut	120103.50	-11.00	440.69	440.69

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	119966.50	-3.67	440.80	440.80
⊕ Brg. W. Abut	119967.75	-3.67	440.80	440.80
A	119977.75	-3.67	440.83	440.84
B	119987.75	-3.67	440.85	440.87
C	119997.75	-3.67	440.87	440.89
D	120007.75	-3.67	440.88	440.89
E	120017.75	-3.67	440.89	440.89
⊕ Brg. Pier	120029.00	-3.67	440.89	440.89
F	120039.00	-3.67	440.89	440.92
G	120049.00	-3.67	440.89	440.93
H	120059.00	-3.67	440.88	440.95
I	120069.00	-3.67	440.87	440.95
J	120079.00	-3.67	440.86	440.92
K	120089.00	-3.67	440.84	440.88
⊕ Brg. E. Abut	120102.25	-3.67	440.80	440.80
Bk. E. Abut	120103.50	-3.67	440.80	440.80

⊕ ROADWAY, P.G. & STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	119966.50	0.00	440.86	440.86
⊕ Brg. W. Abut	119967.75	0.00	440.86	440.86
A	119977.75	0.00	440.89	440.90
B	119987.75	0.00	440.91	440.93
C	119997.75	0.00	440.92	440.95
D	120007.75	0.00	440.94	440.95
E	120017.75	0.00	440.95	440.95
⊕ Brg. Pier	120029.00	0.00	440.95	440.95
F	120039.00	0.00	440.95	440.97
G	120049.00	0.00	440.95	440.99
H	120059.00	0.00	440.94	441.00
I	120069.00	0.00	440.93	441.00
J	120079.00	0.00	440.91	440.98
K	120089.00	0.00	440.89	440.94
⊕ Brg. E. Abut	120102.25	0.00	440.86	440.86
Bk. E. Abut	120103.50	0.00	440.86	440.86

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	119966.50	3.67	440.80	440.80
⊕ Brg. W. Abut	119967.75	3.67	440.80	440.80
A	119977.75	3.67	440.83	440.84
B	119987.75	3.67	440.85	440.87
C	119997.75	3.67	440.87	440.89
D	120007.75	3.67	440.88	440.89
E	120017.75	3.67	440.89	440.89
⊕ Brg. Pier	120029.00	3.67	440.89	440.89
F	120039.00	3.67	440.89	440.92
G	120049.00	3.67	440.89	440.93
H	120059.00	3.67	440.88	440.95
I	120069.00	3.67	440.87	440.95
J	120079.00	3.67	440.86	440.92
K	120089.00	3.67	440.84	440.88
⊕ Brg. E. Abut	120102.25	3.67	440.80	440.80
Bk. E. Abut	120103.50	3.67	440.80	440.80

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	119966.50	11.00	440.69	440.69
⊕ Brg. W. Abut	119967.75	11.00	440.69	440.69
A	119977.75	11.00	440.71	440.73
B	119987.75	11.00	440.74	440.76
C	119997.75	11.00	440.75	440.77
D	120007.75	11.00	440.77	440.78
E	120017.75	11.00	440.77	440.78
⊕ Brg. Pier	120029.00	11.00	440.78	440.78
F	120039.00	11.00	440.78	440.80
G	120049.00	11.00	440.78	440.82
H	120059.00	11.00	440.77	440.83
I	120069.00	11.00	440.76	440.83
J	120079.00	11.00	440.74	440.81
K	120089.00	11.00	440.72	440.77
⊕ Brg. E. Abut	120102.25	11.00	440.69	440.69
Bk. E. Abut	120103.50	11.00	440.69	440.69

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	119966.50	18.33	440.54	440.54
⊕ Brg. W. Abut	119967.75	18.33	440.54	440.54
A	119977.75	18.33	440.57	440.58
B	119987.75	18.33	440.59	440.61
C	119997.75	18.33	440.61	440.63
D	120007.75	18.33	440.62	440.63
E	120017.75	18.33	440.63	440.63
⊕ Brg. Pier	120029.00	18.33	440.63	440.63
F	120039.00	18.33	440.63	440.65
G	120049.00	18.33	440.63	440.67
H	120059.00	18.33	440.62	440.68
I	120069.00	18.33	440.61	440.68
J	120079.00	18.33	440.59	440.66
K	120089.00	18.33	440.57	440.62
⊕ Brg. E. Abut	120102.25	18.33	440.54	440.54
Bk. E. Abut	120103.50	18.33	440.54	440.54

DESIGNED	R.L. Tharp
CHECKED	P.R. Litchfield
DRAWN	h.t. duong
CHECKED	RLT/PRL

EXAMINED	Thomas J. Damagala ENGINEER OF BRIDGE DESIGN
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
F.A.P. RT. 821 - SECTION 13B-1
JEFFERSON COUNTY
STATION 1200+35.00
STRUCTURE NO. 041-0106