

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	90-11VB1B	TAZEWELL	1366	395
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

LONGITUDINAL BONDED CONSTRUCTION JOINT

BEAM 6

BEAM 7

BEAM 8

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-11.500	148.530	148.530
☉ Brg. W. Abut.	152+656.488	-11.500	148.534	148.534
A	152+659.488	-11.500	148.567	148.569
B	152+662.488	-11.500	148.599	148.602
C	152+665.488	-11.500	148.629	148.632
D	152+668.488	-11.500	148.659	148.661
☉ Brg. Pier 1	152+671.883	-11.500	148.692	148.692
☉ Pier 1	152+672.108	-11.500	148.694	148.694
☉ Brg. Pier 1	152+672.333	-11.500	148.696	148.696
E	152+675.333	-11.500	148.724	148.734
F	152+678.333	-11.500	148.750	148.768
G	152+681.333	-11.500	148.776	148.800
H	152+684.333	-11.500	148.801	148.827
I	152+687.333	-11.500	148.825	148.850
J	152+690.333	-11.500	148.848	148.869
K	152+693.333	-11.500	148.870	148.883
☉ Brg. Pier 2	152+697.563	-11.500	148.899	148.899
☉ Pier 2	152+697.788	-11.500	148.901	148.901
☉ Brg. Pier 2	152+698.013	-11.500	148.902	148.902
L	152+701.013	-11.500	148.921	148.924
M	152+704.013	-11.500	148.940	148.944
N	152+707.013	-11.500	148.958	148.963
O	152+710.013	-11.500	148.974	148.977
☉ Brg. E. Abut.	152+714.218	-11.500	148.996	148.996
Bk. of E. Abut.	152+714.598	-11.500	148.998	148.998

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-10.840	148.543	148.543
☉ Brg. W. Abut.	152+656.488	-10.840	148.547	148.547
A	152+659.488	-10.840	148.580	148.582
B	152+662.488	-10.840	148.612	148.615
C	152+665.488	-10.840	148.643	148.646
D	152+668.488	-10.840	148.672	148.674
☉ Brg. Pier 1	152+671.883	-10.840	148.705	148.705
☉ Pier 1	152+672.108	-10.840	148.707	148.707
☉ Brg. Pier 1	152+672.333	-10.840	148.709	148.709
E	152+675.333	-10.840	148.737	148.747
F	152+678.333	-10.840	148.764	148.782
G	152+681.333	-10.840	148.789	148.813
H	152+684.333	-10.840	148.814	148.840
I	152+687.333	-10.840	148.838	148.863
J	152+690.333	-10.840	148.861	148.882
K	152+693.333	-10.840	148.883	148.896
☉ Brg. Pier 2	152+697.563	-10.840	148.912	148.912
☉ Pier 2	152+697.788	-10.840	148.914	148.914
☉ Brg. Pier 2	152+698.013	-10.840	148.915	148.915
L	152+701.013	-10.840	148.935	148.938
M	152+704.013	-10.840	148.953	148.957
N	152+707.013	-10.840	148.971	148.976
O	152+710.013	-10.840	148.987	149.000
☉ Brg. E. Abut.	152+714.218	-10.840	149.009	149.009
Bk. of E. Abut.	152+714.598	-10.840	149.011	149.011

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-8.615	148.588	148.588
☉ Brg. W. Abut.	152+656.488	-8.615	148.592	148.592
A	152+659.488	-8.615	148.625	148.627
B	152+662.488	-8.615	148.656	148.660
C	152+665.488	-8.615	148.687	148.691
D	152+668.488	-8.615	148.717	148.719
☉ Brg. Pier 1	152+671.883	-8.615	148.750	148.750
☉ Pier 1	152+672.108	-8.615	148.752	148.752
☉ Brg. Pier 1	152+672.333	-8.615	148.754	148.754
E	152+675.333	-8.615	148.781	148.791
F	152+678.333	-8.615	148.808	148.827
G	152+681.333	-8.615	148.834	148.859
H	152+684.333	-8.615	148.859	148.886
I	152+687.333	-8.615	148.883	148.909
J	152+690.333	-8.615	148.905	148.927
K	152+693.333	-8.615	148.927	148.941
☉ Brg. Pier 2	152+697.563	-8.615	148.957	148.957
☉ Pier 2	152+697.788	-8.615	148.958	148.958
☉ Brg. Pier 2	152+698.013	-8.615	148.960	148.960
L	152+701.013	-8.615	148.979	148.982
M	152+704.013	-8.615	148.998	149.002
N	152+707.013	-8.615	149.015	149.020
O	152+710.013	-8.615	149.032	149.035
☉ Brg. E. Abut.	152+714.218	-8.615	149.054	149.054
Bk. of E. Abut.	152+714.598	-8.615	149.055	149.055

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-6.390	148.628	148.628
☉ Brg. W. Abut.	152+656.488	-6.390	148.632	148.632
A	152+659.488	-6.390	148.665	148.667
B	152+662.488	-6.390	148.697	148.701
C	152+665.488	-6.390	148.728	148.732
D	152+668.488	-6.390	148.757	148.759
☉ Brg. Pier 1	152+671.883	-6.390	148.790	148.790
☉ Pier 1	152+672.108	-6.390	148.792	148.792
☉ Brg. Pier 1	152+672.333	-6.390	148.794	148.794
E	152+675.333	-6.390	148.822	148.832
F	152+678.333	-6.390	148.849	148.868
G	152+681.333	-6.390	148.874	148.899
H	152+684.333	-6.390	148.899	148.926
I	152+687.333	-6.390	148.923	148.949
J	152+690.333	-6.390	148.946	148.968
K	152+693.333	-6.390	148.968	148.982
☉ Brg. Pier 2	152+697.563	-6.390	148.997	148.997
☉ Pier 2	152+697.788	-6.390	148.999	148.999
☉ Brg. Pier 2	152+698.013	-6.390	149.000	149.000
L	152+701.013	-6.390	149.020	149.023
M	152+704.013	-6.390	149.038	149.042
N	152+707.013	-6.390	149.056	149.061
O	152+710.013	-6.390	149.072	149.075
☉ Brg. E. Abut.	152+714.218	-6.390	149.094	149.094
Bk. of E. Abut.	152+714.598	-6.390	149.096	149.096

BEAM 9

BEAM 10

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-4.165	148.661	148.661
☉ Brg. W. Abut.	152+656.488	-4.165	148.666	148.666
A	152+659.488	-4.165	148.698	148.700
B	152+662.488	-4.165	148.730	148.734
C	152+665.488	-4.165	148.761	148.765
D	152+668.488	-4.165	148.791	148.793
☉ Brg. Pier 1	152+671.883	-4.165	148.823	148.823
☉ Pier 1	152+672.108	-4.165	148.825	148.825
☉ Brg. Pier 1	152+672.333	-4.165	148.828	148.828
E	152+675.333	-4.165	148.855	148.865
F	152+678.333	-4.165	148.882	148.901
G	152+681.333	-4.165	148.908	148.933
H	152+684.333	-4.165	148.933	148.960
I	152+687.333	-4.165	148.956	148.982
J	152+690.333	-4.165	148.979	149.001
K	152+693.333	-4.165	149.001	149.015
☉ Brg. Pier 2	152+697.563	-4.165	149.031	149.031
☉ Pier 2	152+697.788	-4.165	149.032	149.032
☉ Brg. Pier 2	152+698.013	-4.165	149.034	149.034
L	152+701.013	-4.165	149.053	149.056
M	152+704.013	-4.165	149.072	149.076
N	152+707.013	-4.165	149.089	149.094
O	152+710.013	-4.165	149.106	149.109
☉ Brg. E. Abut.	152+714.218	-4.165	149.127	149.127
Bk. of E. Abut.	152+714.598	-4.165	149.129	149.129

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-1.940	148.645	148.645
☉ Brg. W. Abut.	152+656.488	-1.940	148.649	148.649
A	152+659.488	-1.940	148.682	148.684
B	152+662.488	-1.940	148.714	148.718
C	152+665.488	-1.940	148.744	148.748
D	152+668.488	-1.940	148.774	148.776
☉ Brg. Pier 1	152+671.883	-1.940	148.807	148.807
☉ Pier 1	152+672.108	-1.940	148.809	148.809
☉ Brg. Pier 1	152+672.333	-1.940	148.811	148.811
E	152+675.333	-1.940	148.839	148.849
F	152+678.333	-1.940	148.866	148.885
G	152+681.333	-1.940	148.891	148.916
H	152+684.333	-1.940	148.916	148.943
I	152+687.333	-1.940	148.940	148.966
J	152+690.333	-1.940	148.963	148.985
K	152+693.333	-1.940	148.985	148.999
☉ Brg. Pier 2	152+697.563	-1.940	149.014	149.014
☉ Pier 2	152+697.788	-1.940	149.016	149.016
☉ Brg. Pier 2	152+698.013	-1.940	149.017	149.017
L	152+701.013	-1.940	149.037	149.040
M	152+704.013	-1.940	149.055	149.059
N	152+707.013	-1.940	149.073	149.078
O	152+710.013	-1.940	149.089	149.092
☉ Brg. E. Abut.	152+714.218	-1.940	149.111	149.111
Bk. of E. Abut.	152+714.598	-1.940	149.113	149.113

Note: All stations and elevations are in meters (m).  
All stations and offsets are given with respect to Profile Grade I-74 WB.  
Elevations are at Top of Concrete.  
Work this sheet with sheets no. 5, 6 & 8 of 33.

TOP OF SLAB ELEVATIONS			
Date	Designed	JLK	INTERSTATE 74 AND RAMPS J-4 OVER ALTORFER LANE AND TP&W R.R. F.A.I. RTE. 74 SECTION (90-11VB)BR TAZEWELL COUNTY STATION 152+685.353 STRUCTURE NO. 090-0159 (WB)
Revisions	Drawn	KDK	
	Checked	RME	
	Approved	DLC	
Date: 7-21-04			Sheet No. <b>7</b> of 33
URS CORPORATION ST. LOUIS, MO			URS Job No. 210001243.02