

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	90-11VB1B	TAZEWELL	1366	394
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

BEAM 1

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-20.039	148.359	148.359
☉ Brg. W. Abut.	152+656.488	-20.055	148.363	148.363
A	152+659.485	-20.181	148.393	148.395
B	152+662.483	-20.308	148.422	148.425
C	152+665.480	-20.434	148.451	148.454
D	152+668.477	-20.561	148.478	148.480
☉ Brg. Pier 1	152+671.883	-20.704	148.508	148.508
☉ Pier 1	152+672.108	-20.714	148.510	148.510
☉ Brg. Pier 1	152+672.333	-20.723	148.512	148.512
E	152+675.330	-20.850	148.537	148.546
F	152+678.327	-20.976	148.561	148.578
G	152+681.325	-21.103	148.584	148.607
H	152+684.322	-21.229	148.606	148.631
I	152+687.319	-21.355	148.628	148.652
J	152+690.317	-21.482	148.648	148.668
K	152+693.314	-21.608	148.667	148.680
☉ Brg. Pier 2	152+697.563	-21.788	148.693	148.693
☉ Pier 2	152+697.788	-21.797	148.695	148.695
☉ Brg. Pier 2	152+698.013	-21.806	148.696	148.696
L	152+701.010	-21.933	148.713	148.715
M	152+704.007	-22.059	148.729	148.733
N	152+707.005	-22.186	148.744	148.748
O	152+710.002	-22.312	148.758	148.761
☉ Brg. E. Abut.	152+714.218	-22.490	148.776	148.776
Bk. of E. Abut.	152+714.598	-22.506	148.778	148.778

PROFILE GRADE RAMP J-4

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-18.735	148.385	148.385
☉ Brg. W. Abut.	152+656.488	-18.747	148.389	148.389
A	152+659.485	-18.840	148.420	148.422
B	152+662.482	-18.937	148.450	148.453
C	152+665.479	-19.037	148.479	148.482
D	152+668.476	-19.141	148.506	148.508
☉ Brg. Pier 1	152+671.883	-19.264	148.537	148.537
☉ Pier 1	152+672.108	-19.272	148.539	148.539
☉ Brg. Pier 1	152+672.333	-19.280	148.540	148.540
E	152+675.329	-19.392	148.566	148.576
F	152+678.326	-19.508	148.590	148.608
G	152+681.322	-19.628	148.614	148.637
H	152+684.318	-19.751	148.636	148.662
I	152+687.314	-19.878	148.657	148.682
J	152+690.310	-20.009	148.677	148.697
K	152+693.306	-20.143	148.697	148.710
☉ Brg. Pier 2	152+697.563	-20.340	148.722	148.722
☉ Pier 2	152+697.788	-20.350	148.724	148.724
☉ Brg. Pier 2	152+698.013	-20.361	148.725	148.725
L	152+701.008	-20.505	148.741	148.744
M	152+704.003	-20.652	148.757	148.761
N	152+706.998	-20.803	148.771	148.776
O	152+709.993	-20.957	148.785	148.788
☉ Brg. E. Abut.	152+714.218	-21.181	148.802	148.802
Bk. of E. Abut.	152+714.598	-21.202	148.804	148.804

BEAM 2

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-18.199	148.396	148.396
☉ Brg. W. Abut.	152+656.488	-18.212	148.400	148.400
A	152+659.486	-18.313	148.431	148.433
B	152+662.485	-18.414	148.460	148.463
C	152+665.483	-18.516	148.489	148.492
D	152+668.481	-18.617	148.517	148.519
☉ Brg. Pier 1	152+671.883	-18.731	148.547	148.547
☉ Pier 1	152+672.108	-18.739	148.549	148.549
☉ Brg. Pier 1	152+672.333	-18.747	148.551	148.551
E	152+675.331	-18.848	148.577	148.587
F	152+678.329	-18.949	148.601	148.619
G	152+681.328	-19.050	148.625	148.648
H	152+684.326	-19.151	148.648	148.674
I	152+687.324	-19.253	148.670	148.695
J	152+690.323	-19.354	148.691	148.711
K	152+693.321	-19.455	148.711	148.724
☉ Brg. Pier 2	152+697.563	-19.598	148.737	148.737
☉ Pier 2	152+697.788	-19.606	148.738	148.738
☉ Brg. Pier 2	152+698.013	-19.613	148.740	148.740
L	152+701.011	-19.714	148.757	148.760
M	152+704.009	-19.816	148.774	148.778
N	152+707.008	-19.917	148.789	148.794
O	152+710.006	-20.018	148.804	148.807
☉ Brg. E. Abut.	152+714.218	-20.160	148.823	148.823
Bk. of E. Abut.	152+714.598	-20.173	148.824	148.824

BEAM 3

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-16.359	148.433	148.433
☉ Brg. W. Abut.	152+656.488	-16.369	148.437	148.437
A	152+659.487	-16.445	148.468	148.470
B	152+662.486	-16.521	148.498	148.501
C	152+665.485	-16.597	148.527	148.530
D	152+668.484	-16.673	148.556	148.558
☉ Brg. Pier 1	152+671.883	-16.759	148.587	148.587
☉ Pier 1	152+672.108	-16.764	148.589	148.589
☉ Brg. Pier 1	152+672.333	-16.770	148.591	148.591
E	152+675.332	-16.846	148.617	148.627
F	152+678.331	-16.922	148.642	148.660
G	152+681.330	-16.998	148.666	148.689
H	152+684.329	-17.074	148.690	148.716
I	152+687.328	-17.149	148.712	148.737
J	152+690.327	-17.225	148.733	148.753
K	152+693.326	-17.301	148.754	148.767
☉ Brg. Pier 2	152+697.563	-17.409	148.781	148.781
☉ Pier 2	152+697.788	-17.414	148.782	148.782
☉ Brg. Pier 2	152+698.013	-17.420	148.784	148.784
L	152+701.012	-17.496	148.802	148.805
M	152+704.011	-17.572	148.819	148.823
N	152+707.010	-17.648	148.835	148.840
O	152+710.009	-17.723	148.850	148.853
☉ Brg. E. Abut.	152+714.218	-17.830	148.869	148.869
Bk. of E. Abut.	152+714.598	-17.840	148.871	148.871


BEAM 4

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-14.520	148.469	148.469
☉ Brg. W. Abut.	152+656.488	-14.526	148.474	148.474
A	152+659.488	-14.577	148.505	148.507
B	152+662.487	-14.627	148.536	148.539
C	152+665.487	-14.678	148.566	148.569
D	152+668.486	-14.728	148.595	148.597
☉ Brg. Pier 1	152+671.883	-14.786	148.626	148.626
☉ Pier 1	152+672.108	-14.790	148.628	148.628
☉ Brg. Pier 1	152+672.333	-14.793	148.630	148.630
E	152+675.333	-14.844	148.657	148.666
F	152+678.332	-14.895	148.683	148.701
G	152+681.332	-14.945	148.707	148.730
H	152+684.331	-14.996	148.731	148.757
I	152+687.331	-15.046	148.754	148.779
J	152+690.330	-15.097	148.776	148.796
K	152+693.330	-15.148	148.797	148.810
☉ Brg. Pier 2	152+697.563	-15.219	148.825	148.825
☉ Pier 2	152+697.788	-15.223	148.826	148.826
☉ Brg. Pier 2	152+698.013	-15.227	148.827	148.827
L	152+701.013	-15.277	148.846	148.849
M	152+704.012	-15.328	148.863	148.867
N	152+707.012	-15.378	148.880	148.885
O	152+710.011	-15.429	148.896	148.899
☉ Brg. E. Abut.	152+714.218	-15.500	148.916	148.916
Bk. of E. Abut.	152+714.598	-15.506	148.918	148.918

BEAM 5

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	152+656.108	-12.680	148.506	148.506
☉ Brg. W. Abut.	152+656.488	-12.683	148.510	148.510
A	152+659.488	-12.708	148.543	148.545
B	152+662.488	-12.734	148.574	148.577
C	152+665.488	-12.759	148.604	148.607
D	152+668.488	-12.784	148.634	148.636
☉ Brg. Pier 1	152+671.883	-12.813	148.666	148.666
☉ Pier 1	152+672.108	-12.815	148.668	148.668
☉ Brg. Pier 1	152+672.333	-12.817	148.670	148.670
E	152+675.333	-12.842	148.697	148.706
F	152+678.333	-12.867	148.723	148.741
G	152+681.333	-12.893	148.748	148.771
H	152+684.333	-12.918	148.773	148.799
I	152+687.332	-12.943	148.796	148.821
J	152+690.332	-12.969	148.818	148.838
K	152+693.332	-12.994	148.840	148.853
☉ Brg. Pier 2	152+697.563	-13.030	148.868	148.868
☉ Pier 2	152+697.788	-13.031	148.870	148.870
☉ Brg. Pier 2	152+698.013	-13.033	148.871	148.871
L	152+701.013	-13.059	148.890	148.893
M	152+704.013	-13.084	148.908	148.912
N	152+707.013	-13.109	148.925	148.930
O	152+710.013	-13.135	148.942	148.945
☉ Brg. E. Abut.	152+714.218	-13.170	148.963	148.963
Bk. of E. Abut.	152+714.598	-13.173	148.964	148.964

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, 7 & 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. 6 of 33
			URS Job No. 210001243.02