

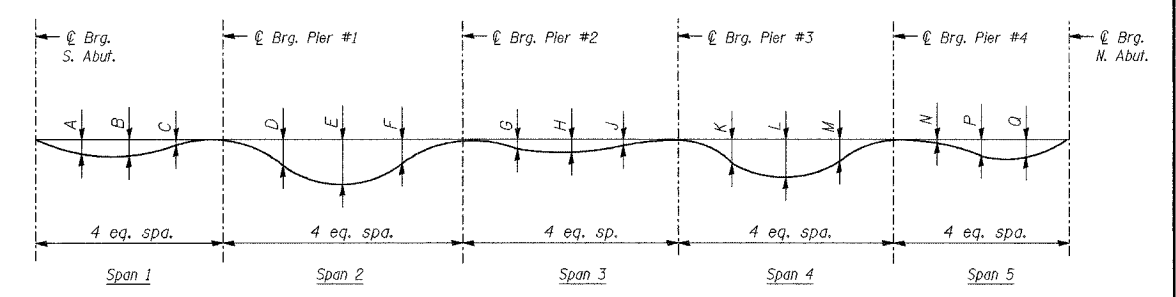
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	TAZEWELL	1366	555
STA.		TO STA.		
F.I.L.W.A. REGION		ILLINOIS PROJECT		

GIRDER 4

GIRDER 4 CONT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
BK. S. ABUT.	10+423.029	1.400	157.459	157.459
☉ BRG. S. ABUT.	10+424.059	1.400	157.455	157.455
1A	10+427.066	1.400	157.440	157.447
1B	10+430.073	1.400	157.420	157.434
1C	10+433.081	1.400	157.396	157.415
1D	10+436.088	1.400	157.367	157.389
1E	10+439.095	1.400	157.335	157.356
1F	10+442.102	1.400	157.298	157.316
1G	10+445.110	1.400	157.253	157.268
1H	10+448.117	1.400	157.204	157.212
1J	10+451.124	1.400	157.150	157.151
1K	10+454.131	1.400	157.091	157.089
1L	10+457.139	1.400	157.029	157.024
1M	10+460.146	1.400	156.962	156.956
☉ BRG. PIER 1	10+464.415	1.400	156.859	156.859
2A	10+467.422	1.400	156.782	156.794
2B	10+470.430	1.400	156.700	156.725
2C	10+473.437	1.400	156.614	156.656
2D	10+476.444	1.400	156.524	156.583
2E	10+479.451	1.400	156.430	156.507
2F	10+482.459	1.400	156.331	156.425
2G	10+485.466	1.400	156.226	156.335
2H	10+488.473	1.400	156.114	156.236
2J	10+491.480	1.400	155.999	156.126
2K	10+494.488	1.400	155.879	156.008
2L	10+497.495	1.400	155.754	155.880
2M	10+500.502	1.400	155.625	155.743
2N	10+503.509	1.400	155.492	155.597
2P	10+506.512	1.400	155.355	155.444
2Q	10+509.512	1.400	155.214	155.284
2R	10+512.512	1.400	155.069	155.119
2S	10+515.512	1.400	154.919	154.951
2T	10+518.512	1.400	154.765	154.782
☉ BRG. PIER 2	10+521.885	1.400	154.592	154.592

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
3A	10+524.885	1.400	154.438	154.431
3B	10+527.885	1.400	154.283	154.272
3C	10+530.885	1.400	154.129	154.116
3D	10+533.885	1.400	153.975	153.963
3E	10+536.885	1.400	153.821	153.811
3F	10+539.885	1.400	153.666	153.659
3G	10+542.885	1.400	153.512	153.508
3H	10+545.885	1.400	153.358	153.355
3J	10+548.885	1.400	153.206	153.204
3K	10+551.885	1.400	153.056	153.054
3L	10+554.885	1.400	152.907	152.905
3M	10+557.885	1.400	152.760	152.758
3N	10+560.885	1.400	152.618	152.615
☉ BRG. PIER 3	10+563.919	1.400	152.477	152.477
4A	10+566.919	1.400	152.340	152.348
4B	10+569.919	1.400	152.207	152.225
4C	10+572.919	1.400	152.078	152.106
4D	10+575.919	1.400	151.951	151.990
4E	10+578.919	1.400	151.828	151.875
4F	10+581.919	1.400	151.709	151.760
4G	10+584.919	1.400	151.592	151.646
4H	10+587.919	1.400	151.479	151.531
4J	10+590.919	1.400	151.369	151.415
4K	10+593.919	1.400	151.262	151.300
4L	10+596.919	1.400	151.159	151.187
4M	10+599.919	1.400	151.059	151.076
4N	10+602.919	1.400	150.962	150.969
☉ BRG. PIER 4	10+605.953	1.400	150.868	150.868
5A	10+608.953	1.400	150.777	150.777
5B	10+611.953	1.400	150.691	150.691
5C	10+614.953	1.400	150.607	150.610
5D	10+617.953	1.400	150.527	150.533
5E	10+620.953	1.400	150.450	150.459
5F	10+623.953	1.400	150.376	150.387
5G	10+626.953	1.400	150.306	150.315
5H	10+629.953	1.400	150.238	150.246
☉ BRG. N. ABUT.	10+634.385	1.400	150.145	150.145
BK. N. ABUT	10+635.415	1.400	150.125	150.125



DEAD LOAD DEFLECTION DIAGRAM

(Due to weight of concrete only)  
(Deck and Parapet)

DEAD LOAD DEFLECTION TABLE

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
Girder 1	21	18	-1	67	120	75	-9	2	1	32	52	32	2	9	10
Girder 2	22	18	-2	69	125	78	-10	0	-1	33	53	32	1	9	10
Girder 3	21	17	-2	71	128	80	-11	-2	-2	33	53	33	1	9	10
Girder 4	20	16	-3	73	131	82	-13	-4	-2	34	54	33	1	9	10

"The above deflections are not for use in the field if the Engineer is working from the Theoretical Grade Elevations Adjusted for Dead Load Deflection."

SCREED TABLES - SPANS 1 THRU 5

DESIGNED	KWS
CHECKED	ADD
DRAWN	VH
CHECKED	LRB

**alfred benesch & company**  
CONSULTING ENGINEERS  
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601  
JOB NO. 3573

ILLINOIS DEPARTMENT OF TRANSPORTATION  
RAMP K-2 OVER  
MAIN ST & RAMP J-3  
F.A.I. ROUTE 74 (I-74)  
SECTION 90-IIB-5

TOP OF SLAB ELEVATIONS IV

SN: 090-0156  
TAZEWELL CO., IL.  
STA. 10+529.222  
DATE: 12-23-04

2/3/2005

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