

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAS RTE 1588	*	ADAMS	38	27

FED. ROAD DIST. NO. 7 ILLINOIS PROJECT  
 Location #2 Structure No. 001-3028  
 \* 05-00189-00-BR

SHEET NO. 2 OF 13

**BEAM 1**

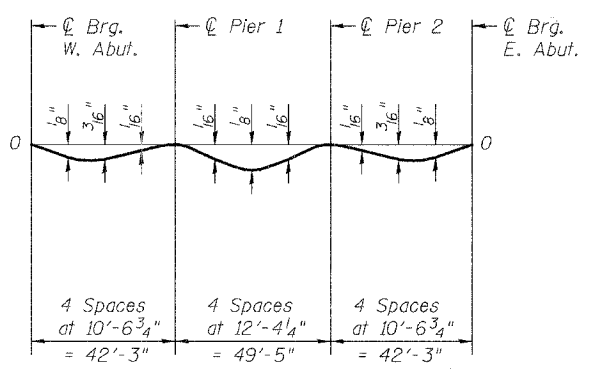
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	406+98.59	13.958' Lt.	626.439	626.439
⊕ Brg. W. Abut.	407+00.51	13.958' Lt.	626.431	626.431
A	407+10.51	13.958' Lt.	626.391	626.402
B	407+20.51	13.958' Lt.	626.350	626.364
C	407+30.51	13.958' Lt.	626.309	626.317
⊕ Pier 1	407+42.76	13.958' Lt.	626.260	626.260
D	407+52.76	13.958' Lt.	626.219	626.223
E	407+62.76	13.958' Lt.	626.178	626.187
F	407+72.76	13.958' Lt.	626.138	626.147
G	407+82.76	13.958' Lt.	626.097	626.100
⊕ Pier 2	407+92.17	13.958' Lt.	626.059	626.059
H	408+02.17	13.958' Lt.	626.018	626.024
I	408+12.17	13.958' Lt.	625.977	625.990
J	408+22.17	13.958' Lt.	625.937	625.949
⊕ Brg. E. Abut.	408+34.42	13.958' Lt.	625.886	625.886
Bk. E. Abut.	408+36.34	13.958' Lt.	625.876	625.876

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	406+97.61	8.375' Lt.	626.560	626.560
⊕ Brg. W. Abut.	406+99.52	8.375' Lt.	626.552	626.552
A	407+09.52	8.375' Lt.	626.511	626.522
B	407+19.52	8.375' Lt.	626.470	626.484
C	407+29.52	8.375' Lt.	626.430	626.438
⊕ Pier 1	407+41.77	8.375' Lt.	626.380	626.380
D	407+51.77	8.375' Lt.	626.339	626.343
E	407+61.77	8.375' Lt.	626.299	626.308
F	407+71.77	8.375' Lt.	626.258	626.267
G	407+81.77	8.375' Lt.	626.217	626.220
⊕ Pier 2	407+91.19	8.375' Lt.	626.179	626.179
H	408+01.19	8.375' Lt.	626.138	626.144
I	408+11.19	8.375' Lt.	626.098	626.111
J	408+21.19	8.375' Lt.	626.057	626.069
⊕ Brg. E. Abut.	408+33.44	8.375' Lt.	626.007	626.007
Bk. E. Abut.	408+35.36	8.375' Lt.	625.998	625.998

**BEAM 3**

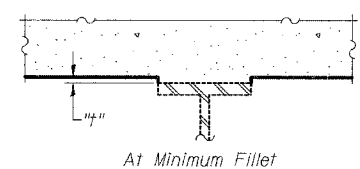
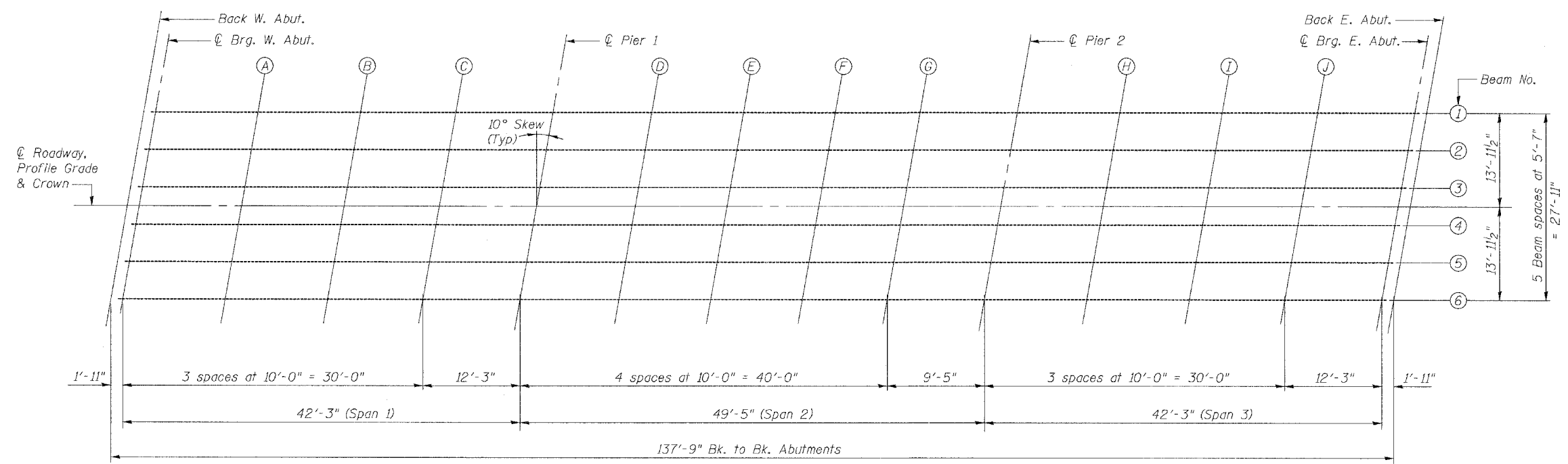
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	406+96.62	2.792' Lt.	626.680	626.680
⊕ Brg. W. Abut.	406+98.54	2.792' Lt.	626.672	626.672
A	407+08.54	2.792' Lt.	626.631	626.642
B	407+18.54	2.792' Lt.	626.591	626.605
C	407+28.54	2.792' Lt.	626.550	626.558
⊕ Pier 1	407+40.79	2.792' Lt.	626.500	626.500
D	407+50.79	2.792' Lt.	626.460	626.464
E	407+60.79	2.792' Lt.	626.419	626.428
F	407+70.79	2.792' Lt.	626.378	626.387
G	407+80.79	2.792' Lt.	626.338	626.341
⊕ Pier 2	407+90.21	2.792' Lt.	626.299	626.299
H	408+00.21	2.792' Lt.	626.259	626.265
I	408+10.21	2.792' Lt.	626.218	626.231
J	408+20.21	2.792' Lt.	626.177	626.189
⊕ Brg. E. Abut.	408+32.46	2.792' Lt.	626.128	626.128
Bk. E. Abut.	408+34.37	2.792' Lt.	626.119	626.119



**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete slab)

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown above and on Sheet #3 of 13.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at the stations shown on this sheet and on sheet #3 of 13. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown above and on Sheet #3 of 13, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**FILLET HEIGHTS**

**PLAN**

Note: All dimensions in the plan are measured horizontally



Notes:  
 All elevations are at top of concrete.

REV. NO.	DRAWN	CHKD.	APPD.	DESCRIPTION	DATE
	BGJ				12/05
<b>F.A.S. RTE. 1588 OVER WALNUT CREEK</b> <b>SECTION 05-00189-00-BR</b> <b>Project RS-1588 (106)</b> <b>ADAMS COUNTY</b>					
<b>TOP OF SLAB ELEVATIONS</b> <b>STRUCTURE NUMBER 001-3028</b> <b>STATION 407+65</b>					

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