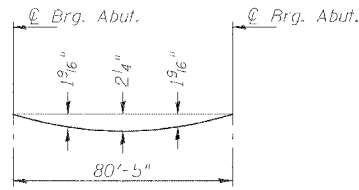


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

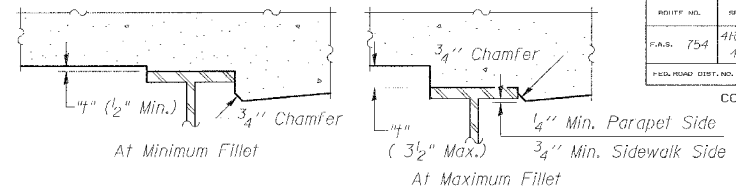
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	39
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76269				



**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only.)

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



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

**FILLET HEIGHTS**

**ROADWAY ON BRIDGE**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+00.00	0	439.588	439.588
☉ Brg. S. Abut.	100+01.29	0	439.583	439.583
A	100+11.29	0	439.541	439.611
B	100+21.29	0	439.499	439.628
C	100+31.29	0	439.457	439.625
D	100+41.29	0	439.415	439.599
E	100+51.29	0	439.373	439.542
F	100+61.29	0	439.331	439.453
G	100+71.29	0	439.289	439.362
☉ Brg. N. Abut.	100+81.71	0	439.245	439.245
Bk. N. Abut.	100+83.00	0	439.240	439.240

**STAGE CONSTRUCTION JOINT**

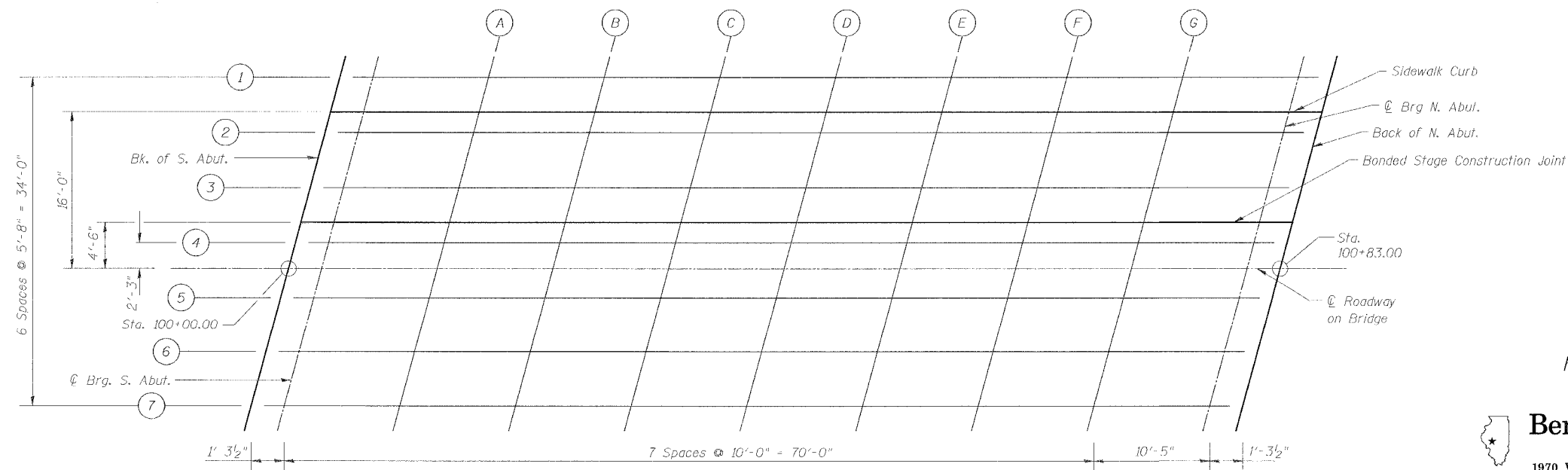
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+01.21	4.50' Lt.	439.513	439.513
☉ Brg. S. Abut.	100+02.50	4.50' Lt.	439.508	439.508
A	100+12.50	4.50' Lt.	439.466	439.536
B	100+22.50	4.50' Lt.	439.424	439.552
C	100+32.50	4.50' Lt.	439.382	439.550
D	100+42.50	4.50' Lt.	439.340	439.523
E	100+52.50	4.50' Lt.	439.298	439.467
F	100+62.50	4.50' Lt.	439.256	439.378
G	100+72.50	4.50' Lt.	439.214	439.287
☉ Brg. N. Abut.	100+82.92	4.50' Lt.	439.170	439.170
Bk. N. Abut.	100+84.21	4.50' Lt.	439.165	439.165

**SIDEWALK CURB**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+04.29	16.00' Lt.	439.300	439.300
☉ Brg. S. Abut.	100+05.58	16.00' Lt.	439.295	439.295
A	100+15.58	16.00' Lt.	439.253	439.323
B	100+25.58	16.00' Lt.	439.211	439.339
C	100+35.58	16.00' Lt.	439.169	439.337
D	100+45.58	16.00' Lt.	439.127	439.310
E	100+55.58	16.00' Lt.	439.085	439.254
F	100+65.58	16.00' Lt.	439.043	439.165
G	100+75.58	16.00' Lt.	439.001	439.074
☉ Brg. N. Abut.	100+86.00	16.00' Lt.	438.957	438.957
Bk. N. Abut.	100+87.29	16.00' Lt.	438.952	438.952

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+05.16	19.25' Lt.	439.352	439.352
☉ Brg. S. Abut.	100+06.45	19.25' Lt.	439.346	439.346
A	100+16.45	19.25' Lt.	439.304	439.375
B	100+26.45	19.25' Lt.	439.262	439.391
C	100+36.45	19.25' Lt.	439.220	439.388
D	100+46.45	19.25' Lt.	439.178	439.362
E	100+56.45	19.25' Lt.	439.136	439.306
F	100+66.45	19.25' Lt.	439.094	439.216
G	100+76.45	19.25' Lt.	439.052	439.125
☉ Brg. N. Abut.	100+86.87	19.25' Lt.	439.009	439.009
Bk. N. Abut.	100+88.16	19.25' Lt.	439.003	439.003



DIAGRAMMATIC PLAN - TOP OF CONCRETE ELEVATIONS

DESIGNED	- L.E.L.
CHECKED	- RFG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

TOP OF SLAB ELEVATIONS  
PARK STREET OVER  
AN UNNAMED CREEK  
F.A.S. ROUTE 754  
SECTION 4RS-2, 4BR  
CALHOUN COUNTY  
ROADWAY STATION 6+08.50  
STRUCTURE NO. 007-0026

**Benton & Associates, Inc.**  
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IL Design Firm Registration No. 184-000852