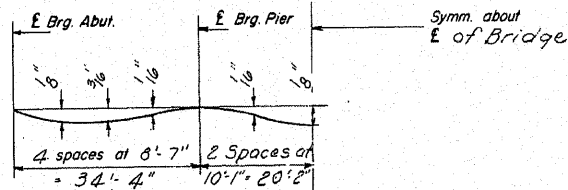


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

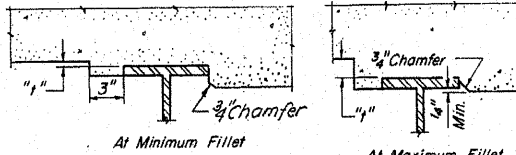
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
82	129B-1	Henry	38	20
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SHEET NO. 8
10 SHEETS



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)
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 below.



To determine "f": 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 "f" above top flange of beams.

FILLET HEIGHTS

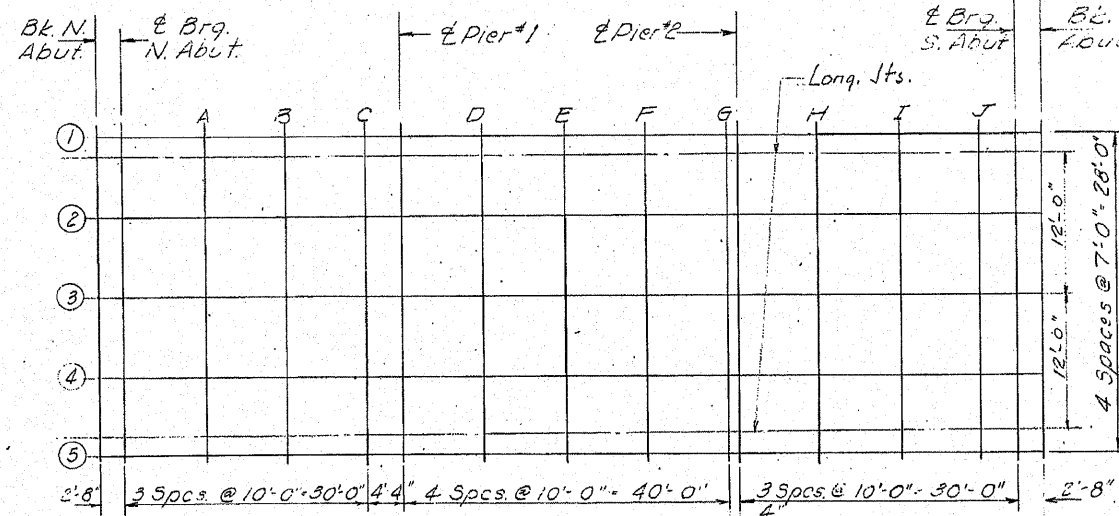
Location	Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut		128463.590	-14.000	618.297	618.297
E Brg. N. Abut		128466.257	-14.000	618.361	618.361
A		128476.257	-14.000	618.601	618.614
B		128486.257	-14.000	618.841	618.854
C		128496.257	-14.000	619.081	619.085
E Pier #1		128500.590	-14.000	619.185	619.185
D	1	128510.590	-14.000	619.425	619.432
E		128520.590	-14.000	619.665	619.674
F		128530.590	-14.000	619.905	619.912
G		128540.590	-14.000	620.145	620.145
E Pier #2		128540.923	-14.000	620.153	620.153
H		128550.923	-14.000	620.393	620.402
I		128560.923	-14.000	620.633	620.648
J		128570.923	-14.000	620.873	620.880
E Brg. S. Abut		128575.257	-14.000	620.977	620.977
Bk. S. Abut		128577.923	-14.000	621.041	621.041

Location	Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut		128463.590	-7.000	618.417	618.417
E Brg. N. Abut		128466.257	-7.000	618.481	618.481
A		128476.257	-7.000	618.721	618.734
B		128486.257	-7.000	618.961	618.974
C		128496.257	-7.000	619.201	619.205
E Pier #1		128500.590	-7.000	619.305	619.305
D	2	128510.590	-7.000	619.545	619.551
E		128520.590	-7.000	619.785	619.796
F		128530.590	-7.000	620.025	620.031
G		128540.590	-7.000	620.265	620.265
E Pier #2		128540.923	-7.000	620.273	620.273
H		128550.923	-7.000	620.513	620.522
I		128560.923	-7.000	620.753	620.767
J		128570.923	-7.000	620.993	620.999
E Brg. S. Abut		128575.257	-7.000	621.097	621.097
Bk. S. Abut		128577.923	-7.000	621.161	621.161

Location	Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut		128463.590	0.0	618.526	618.526
E Brg. N. Abut		128466.257	0.0	618.590	618.590
A		128476.257	0.0	618.830	618.844
B		128486.257	0.0	619.070	619.083
C		128496.257	0.0	619.310	619.314
E Pier #1		128500.590	0.0	619.414	619.414
D	3	128510.590	0.0	619.654	619.661
E		128520.590	0.0	619.894	619.905
F		128530.590	0.0	620.134	620.141
G		128540.590	0.0	620.374	620.374
E Pier #2		128540.923	0.0	620.382	620.382
H		128550.923	0.0	620.622	620.631
I		128560.923	0.0	620.862	620.877
J		128570.923	0.0	621.102	621.109
E Brg. S. Abut		128575.257	0.0	621.206	621.206
Bk. S. Abut		128577.923	0.0	621.270	621.270

Location	Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut		128463.590	7.000	618.417	618.417
E Brg. N. Abut		128466.257	7.000	618.481	618.481
A		128476.257	7.000	618.721	618.734
B		128486.257	7.000	618.961	618.974
C		128496.257	7.000	619.201	619.205
E Pier #1		128500.590	7.000	619.305	619.305
D	4	128510.590	7.000	619.545	619.551
E		128520.590	7.000	619.785	619.796
F		128530.590	7.000	620.025	620.031
G		128540.590	7.000	620.265	620.265
E Pier #2		128540.923	7.000	620.273	620.273
H		128550.923	7.000	620.513	620.522
I		128560.923	7.000	620.753	620.767
J		128570.923	7.000	620.993	620.999
E Brg. S. Abut		128575.257	7.000	621.097	621.097
Bk. S. Abut		128577.923	7.000	621.161	621.161

Location	Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut		128463.590	14.000	618.297	618.297
E Brg. N. Abut		128466.257	14.000	618.361	618.361
A		128476.257	14.000	618.601	618.614
B		128486.257	14.000	618.841	618.854
C		128496.257	14.000	619.081	619.085
E Pier #1		128500.590	14.000	619.185	619.185
D	5	128510.590	14.000	619.425	619.432
E		128520.590	14.000	619.665	619.674
F		128530.590	14.000	619.905	619.912
G		128540.590	14.000	620.145	620.145
E Pier #2		128540.923	14.000	620.153	620.153
H		128550.923	14.000	620.393	620.402
I		128560.923	14.000	620.633	620.648
J		128570.923	14.000	620.873	620.880
E Brg. S. Abut		128575.257	14.000	620.977	620.977
Bk. S. Abut		128577.923	14.000	621.041	621.041



Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut	128463.590	±12.00	618.338	618.338
E Brg. N. Abut	128466.257	±12.00	618.402	618.402
A	128476.257	±12.00	618.642	618.656
B	128486.257	±12.00	618.882	618.895
C	128496.257	±12.00	619.122	619.126
E Pier #1	128500.590	±12.00	619.226	619.226
D	128510.590	±12.00	619.466	619.473
E	128520.590	±12.00	619.706	619.717
F	128530.590	±12.00	619.946	619.953
G	128540.590	±12.00	620.186	620.186
E Pier #2	128540.923	±12.00	620.194	620.194
H	128550.923	±12.00	620.434	620.443
I	128560.923	±12.00	620.674	620.689
J	128570.923	±12.00	620.914	620.921
E Brg. S. Abut	128575.257	±12.00	621.018	621.018
Bk. S. Abut	128577.923	±12.00	621.082	621.082

DESIGNED: *[Signature]*
CHECKED: R. F. RODNEY
DRAWN: P. G. BARNETT
CHECKED: R. F. R.
E-S 8-1-65

EXAMINED: *[Signature]*
PASSED:
APPROVED:
CHIEF HIGHWAY ENGINEER

PLAN

**SHOWN FOR
INFORMATION ONLY**

DECK ELEVATIONS
S.B.I. RT. 82 SEC. 129 B-1
HENRY COUNTY
STA. 1285+20.76