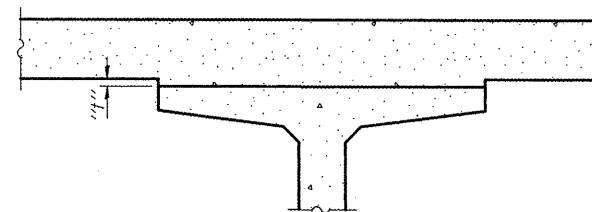


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

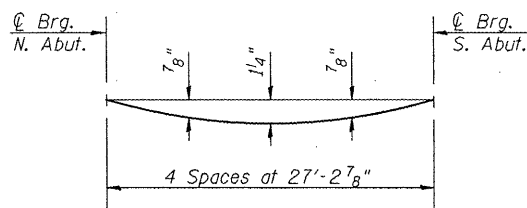


ROUTE NO.	SECTION	COUNTY	DATE	SHEET NO.
FAS 1190	(125BY)BR	KNOX	94	46
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract No. 68087

To determine "t": After all precast prestressed beams have 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 Deflections" shown below, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams).

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.

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N Abut	150+12.10	-16.46	721.75	721.75
⊕ Brg N Abut	150+13.62	-16.46	721.78	721.78
C	150+23.62	-16.46	721.99	722.01
D	150+33.62	-16.46	722.20	722.26
E	150+43.62	-16.46	722.43	722.51
F	150+53.62	-16.46	722.67	722.76
G	150+63.62	-16.46	723.02	723.02
H	150+73.62	-16.46	723.17	723.27
I	150+83.62	-16.46	723.44	723.53
J	150+93.62	-16.46	723.71	723.79
K	151+03.62	-16.46	724.05	724.05
L	151+13.62	-16.46	724.32	724.32
⊕ Brg S Abut	151+22.58	-16.46	724.56	724.56
BK. S Abut	151+24.10	-16.46	724.61	724.61

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N Abut	150+13.26	-9.88	721.90	721.90
⊕ Brg N Abut	150+14.78	-9.88	721.93	721.93
C	150+24.78	-9.88	722.14	722.17
D	150+34.78	-9.88	722.36	722.41
E	150+44.78	-9.88	722.58	722.66
F	150+54.78	-9.88	722.82	722.92
G	150+64.78	-9.88	723.07	723.17
H	150+74.78	-9.88	723.33	723.43
I	150+84.78	-9.88	723.59	723.69
J	150+94.78	-9.88	723.87	723.95
K	151+04.78	-9.88	724.16	724.21
L	151+14.78	-9.88	724.45	724.48
⊕ Brg S Abut	151+23.74	-9.88	724.73	724.73
BK. S Abut	151+25.26	-9.88	724.77	724.77

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N Abut	150+14.42	-3.29	722.02	722.02
⊕ Brg N Abut	150+15.94	-3.29	722.05	722.05
C	150+25.94	-3.29	722.26	722.29
D	150+35.94	-3.29	722.48	722.54
E	150+45.94	-3.29	722.71	722.79
F	150+55.94	-3.29	722.95	723.05
G	150+65.94	-3.29	723.20	723.30
H	150+75.94	-3.29	723.46	723.56
I	150+85.94	-3.29	723.73	723.82
J	150+95.94	-3.29	724.01	724.08
K	151+05.94	-3.29	724.29	724.35
L	151+15.94	-3.29	724.59	724.62
⊕ Brg S Abut	151+24.90	-3.29	724.86	724.86
BK. S Abut	151+26.42	-3.29	724.91	724.91

⊕ ROADWAY, PG & STAGE CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N Abut	150+15.00	0.00	722.09	722.09
⊕ Brg N Abut	150+16.52	0.00	722.12	722.12
C	150+26.52	0.00	722.33	722.36
D	150+36.52	0.00	722.55	722.60
E	150+46.52	0.00	722.78	722.86
F	150+56.52	0.00	723.02	723.11
G	150+66.52	0.00	723.27	723.37
H	150+76.52	0.00	723.53	723.63
I	150+86.52	0.00	723.80	723.89
J	150+96.52	0.00	724.07	724.15
K	151+06.52	0.00	724.36	724.42
L	151+16.52	0.00	724.66	724.69
⊕ Brg S Abut	151+25.48	0.00	724.93	724.93
BK. S Abut	151+27.00	0.00	724.98	724.98

BEAM 4

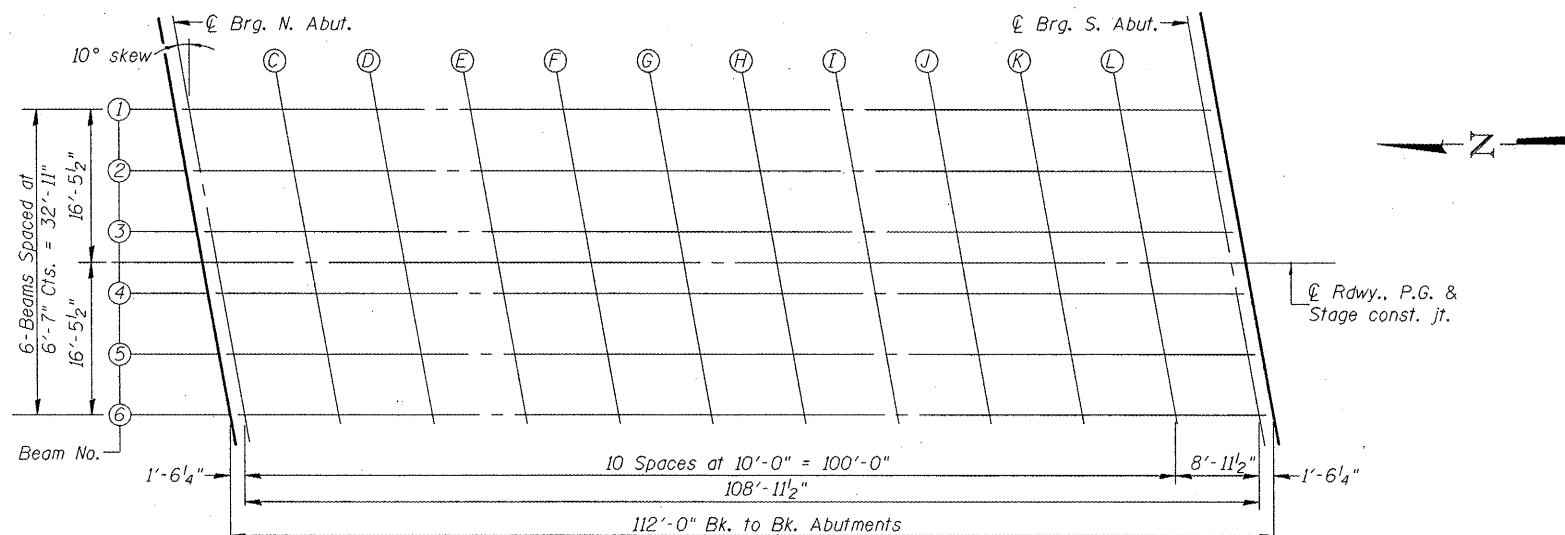
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N Abut	150+15.58	3.29	722.05	722.05
⊕ Brg N Abut	150+17.10	3.29	722.08	722.08
C	150+27.10	3.29	722.29	722.32
D	150+37.10	3.29	722.51	722.57
E	150+47.10	3.29	722.74	722.82
F	150+57.10	3.29	722.98	723.07
G	150+67.10	3.29	723.23	723.33
H	150+77.10	3.29	723.49	723.59
I	150+87.10	3.29	723.76	723.85
J	150+97.10	3.29	724.04	724.11
K	151+07.10	3.29	724.33	724.38
L	151+17.10	3.29	724.63	724.65
⊕ Brg S Abut	151+26.06	3.29	724.90	724.90
BK. S Abut	151+27.58	3.29	724.95	724.95

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N Abut	150+16.74	9.88	721.97	721.97
⊕ Brg N Abut	150+18.26	9.88	722.00	722.00
C	150+28.26	9.88	722.21	722.24
D	150+38.26	9.88	722.43	722.49
E	150+48.26	9.88	722.67	722.74
F	150+58.26	9.88	722.91	723.00
G	150+68.26	9.88	723.16	723.26
H	150+78.26	9.88	723.42	723.52
I	150+88.26	9.88	723.69	723.78
J	150+98.26	9.88	723.97	724.05
K	151+08.26	9.88	724.26	724.31
L	151+18.26	9.88	724.56	724.58
⊕ Brg S Abut	151+27.22	9.88	724.83	724.83
BK. S Abut	151+28.74	9.88	724.88	724.88

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N Abut	150+17.90	16.46	721.86	721.86
⊕ Brg N Abut	150+19.43	16.46	721.90	721.90
C	150+29.43	16.46	722.11	722.14
D	150+39.43	16.46	722.33	722.39
E	150+49.43	16.46	722.57	722.65
F	150+59.43	16.46	722.81	722.90
G	150+69.43	16.46	723.06	723.16
H	150+79.43	16.46	723.32	723.42
I	150+89.43	16.46	723.60	723.69
J	150+99.43	16.46	723.88	723.95
K	151+09.43	16.46	724.17	724.22
L	151+19.43	16.46	724.47	724.49
⊕ Brg S Abut	151+28.38	16.46	724.74	724.74
BK. S Abut	151+29.90	16.46	724.79	724.79



PLAN

DESIGNED	SMR
CHECKED	FT
DRAWN	JMI, KBF
CHECKED	SMR/FT

US ROUTE 150 OVER HENDERSON CREEK  
F.A.S. ROUTE 1190 - SEC. (125BY)BR  
KNOX COUNTY  
STATION 150+71.00  
STRUCTURE NO. 048-0088

TOP OF SLAB ELEVATIONS