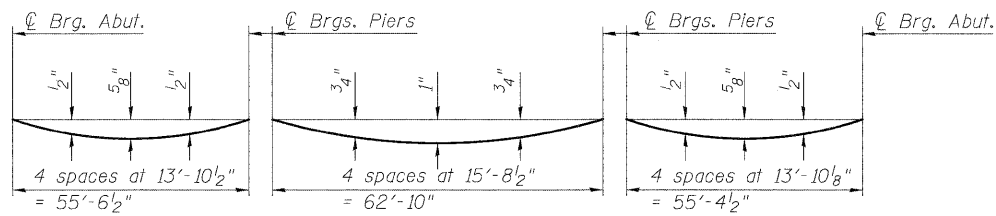
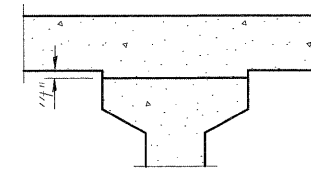


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**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 and on sheets 6 thru 8 of 33.



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 on sheet 4 of 33. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflections" shown below and on sheets 6 thru 8 of 33, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

**FILLET HEIGHTS**

**EAST GUTTER LINE**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK N ABUT	374+46.90	-18.00	542.82	542.82
CL BRG N ABUT	374+51.36	-18.00	542.85	542.85
A	374+61.36	-18.00	542.91	542.94
B	374+71.36	-18.00	542.97	543.01
C	374+81.36	-18.00	543.02	543.07
D	374+91.36	-18.00	543.06	543.10
E	375+01.36	-18.00	543.10	543.11
CL N BRG PIER 1	375+06.90	-18.00	543.12	543.12
CL PIER 1	375+07.90	-18.00	543.12	543.12
CL S BRG PIER 1	375+08.90	-18.00	543.12	543.12
F	375+18.90	-18.00	543.15	543.19
G	375+28.90	-18.00	543.17	543.24
H	375+38.90	-18.00	543.18	543.26
I	375+48.90	-18.00	543.19	543.26
J	375+58.90	-18.00	543.19	543.24
CL N BRG PIER 2	375+71.72	-18.00	543.18	543.18
CL PIER 2	375+72.90	-18.00	543.18	543.18
CL S BRG PIER 2	375+74.07	-18.00	543.18	543.18
K	375+84.07	-18.00	543.16	543.19
L	375+94.07	-18.00	543.14	543.19
M	376+04.07	-18.00	543.11	543.16
N	376+14.07	-18.00	543.08	543.12
O	376+24.07	-18.00	543.04	543.05
CL BRG S ABUT	376+29.44	-18.00	543.01	543.01
BK S ABUT	376+33.90	-18.00	542.99	542.99

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK N ABUT	374+48.10	-16.56	542.85	542.85
CL BRG N ABUT	374+52.56	-16.56	542.88	542.88
A	374+62.56	-16.56	542.95	542.97
B	374+72.56	-16.56	543.00	543.05
C	374+82.56	-16.56	543.05	543.10
D	374+92.56	-16.56	543.09	543.13
E	375+02.56	-16.56	543.13	543.15
CL N BRG PIER 1	375+08.10	-16.56	543.15	543.15
CL PIER 1	375+09.10	-16.56	543.15	543.15
CL S BRG PIER 1	375+10.10	-16.56	543.15	543.15
F	375+20.10	-16.56	543.18	543.22
G	375+30.10	-16.56	543.20	543.27
H	375+40.10	-16.56	543.21	543.29
I	375+50.10	-16.56	543.22	543.29
J	375+60.10	-16.56	543.22	543.27
CL N BRG PIER 2	375+72.93	-16.56	543.21	543.21
CL PIER 2	375+74.10	-16.56	543.21	543.21
CL S BRG PIER 2	375+75.27	-16.56	543.21	543.21
K	375+85.27	-16.56	543.19	543.22
L	375+95.27	-16.56	543.17	543.21
M	376+05.27	-16.56	543.14	543.19
N	376+15.27	-16.56	543.10	543.14
O	376+25.27	-16.56	543.06	543.08
CL BRG S ABUT	376+30.64	-16.56	543.04	543.04
BK S ABUT	376+35.10	-16.56	543.01	543.01

**EAST EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK N ABUT	374+51.93	-12.00	542.97	542.97
CL BRG N ABUT	374+56.39	-12.00	543.00	543.00
A	374+66.39	-12.00	543.06	543.09
B	374+76.39	-12.00	543.11	543.16
C	374+86.39	-12.00	543.16	543.21
D	374+96.39	-12.00	543.20	543.24
E	375+06.39	-12.00	543.23	543.25
CL N BRG PIER 1	375+11.93	-12.00	543.25	543.25
CL PIER 1	375+12.93	-12.00	543.25	543.25
CL S BRG PIER 1	375+13.93	-12.00	543.26	543.26
F	375+23.93	-12.00	543.28	543.32
G	375+33.93	-12.00	543.30	543.37
H	375+43.93	-12.00	543.31	543.40
I	375+53.93	-12.00	543.31	543.39
J	375+63.93	-12.00	543.31	543.36
CL N BRG PIER 2	375+76.76	-12.00	543.29	543.29
CL PIER 2	375+77.93	-12.00	543.29	543.29
CL S BRG PIER 2	375+79.10	-12.00	543.29	543.29
K	375+89.10	-12.00	543.27	543.30
L	375+99.10	-12.00	543.25	543.30
M	376+09.10	-12.00	543.22	543.27
N	376+19.10	-12.00	543.18	543.22
O	376+29.10	-12.00	543.13	543.15
CL BRG S ABUT	376+34.47	-12.00	543.11	543.11
BK S ABUT	376+38.93	-12.00	543.08	543.08

DESIGNED	SCD
CHECKED	DRB
DRAWN	THW
CHECKED	SCD

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**DECK ELEVATION**  
**S.N. 018-0064**

SHEET NO. 5 OF 33 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	116	(112BR1)B	CUMBERLAND	72	36
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					
CONTRACT NO. 74236					