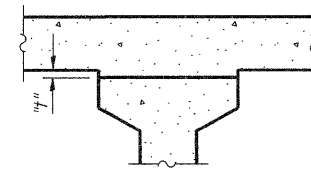


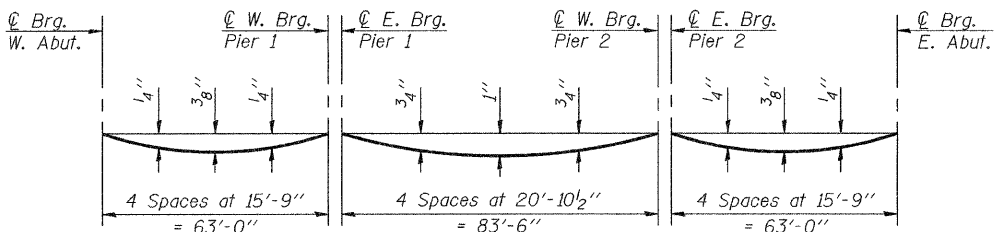
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1536	125BR	Macon	45	19
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract #74145

SHEET NO. 7  
29 SHEETS



**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 8 and 9 of 29.

To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at the 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 flanges of beams.

**FILLET HEIGHTS**

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK.W.ABUT.	61519.00	-14.79	652.15	652.15
W.ABUT.	61520.25	-14.79	652.15	652.15
A	61530.25	-14.79	652.16	652.18
B	61540.25	-14.79	652.17	652.20
C	61550.25	-14.79	652.18	652.21
D	61560.25	-14.79	652.19	652.22
E	61570.25	-14.79	652.20	652.22
PIER 1	61584.00	-14.79	652.22	652.22
F	61594.00	-14.79	652.23	652.26
G	61604.00	-14.79	652.24	652.30
H	61614.00	-14.79	652.25	652.32
I	61624.00	-14.79	652.26	652.35
J	61634.00	-14.79	652.27	652.35
K	61644.00	-14.79	652.28	652.35
L	61654.00	-14.79	652.29	652.33
M	61664.00	-14.79	652.30	652.31
PIER 2	61669.00	-14.79	652.30	652.30
N	61679.00	-14.79	652.31	652.33
O	61689.00	-14.79	652.32	652.35
P	61699.00	-14.79	652.33	652.36
Q	61709.00	-14.79	652.34	652.37
R	61719.00	-14.79	652.35	652.37
E.ABUT.	61732.75	-14.79	652.37	652.37
BK.E.ABUT.	61734.00	-14.79	652.37	652.37

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK.W.ABUT.	61519.00	-8.88	652.26	652.26
W.ABUT.	61520.25	-8.88	652.26	652.26
A	61530.25	-8.88	652.27	652.28
B	61540.25	-8.88	652.28	652.30
C	61550.25	-8.88	652.29	652.32
D	61560.25	-8.88	652.30	652.33
E	61570.25	-8.88	652.31	652.33
PIER 1	61584.00	-8.88	652.33	652.33
F	61594.00	-8.88	652.34	652.37
G	61604.00	-8.88	652.35	652.40
H	61614.00	-8.88	652.36	652.43
I	61624.00	-8.88	652.37	652.45
J	61634.00	-8.88	652.38	652.46
K	61644.00	-8.88	652.39	652.45
L	61654.00	-8.88	652.40	652.44
M	61664.00	-8.88	652.41	652.42
PIER 2	61669.00	-8.88	652.41	652.41
N	61679.00	-8.88	652.42	652.43
O	61689.00	-8.88	652.43	652.45
P	61699.00	-8.88	652.44	652.47
Q	61709.00	-8.88	652.45	652.47
R	61719.00	-8.88	652.46	652.48
E.ABUT.	61732.75	-8.88	652.47	652.47
BK.E.ABUT.	61734.00	-8.88	652.48	652.48

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK.W.ABUT.	61519.00	-2.96	652.35	652.35
W.ABUT.	61520.25	-2.96	652.35	652.35
A	61530.25	-2.96	652.36	652.38
B	61540.25	-2.96	652.37	652.40
C	61550.25	-2.96	652.38	652.41
D	61560.25	-2.96	652.39	652.42
E	61570.25	-2.96	652.40	652.42
PIER 1	61584.00	-2.96	652.42	652.42
F	61594.00	-2.96	652.43	652.46
G	61604.00	-2.96	652.44	652.50
H	61614.00	-2.96	652.45	652.52
I	61624.00	-2.96	652.46	652.54
J	61634.00	-2.96	652.47	652.55
K	61644.00	-2.96	652.48	652.55
L	61654.00	-2.96	652.49	652.53
M	61664.00	-2.96	652.50	652.51
PIER 2	61669.00	-2.96	652.50	652.50
N	61679.00	-2.96	652.51	652.53
O	61689.00	-2.96	652.52	652.54
P	61699.00	-2.96	652.53	652.56
Q	61709.00	-2.96	652.54	652.57
R	61719.00	-2.96	652.55	652.57
E.ABUT.	61732.75	-2.96	652.57	652.57
BK.E.ABUT.	61734.00	-2.96	652.57	652.57

DESIGNED	Ray Ahanchi
CHECKED	Nick Barnett
DRAWN	BECKY M. LEACH
CHECKED	GRA & NRB

November 14, 2008  
EXAMINED *Thomas J. Dimauro*  
PASSED *Ralph E. Anderson*  
ENGINEER OF BRIDGE DESIGN  
ENGINEER OF BRIDGES AND STRUCTURES

**TOP OF SLAB ELEVATIONS**  
**F.A.S. ROUTE 1536 - SEC. 125BR**  
**MACON COUNTY**  
**STATION 616+26.50**  
**STRUCTURE NO. 058-0132**