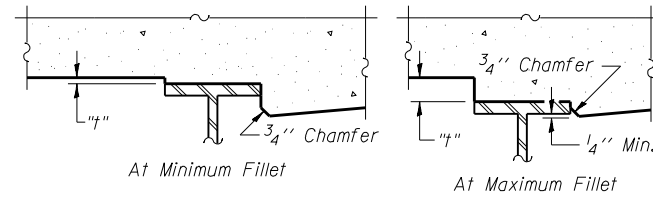


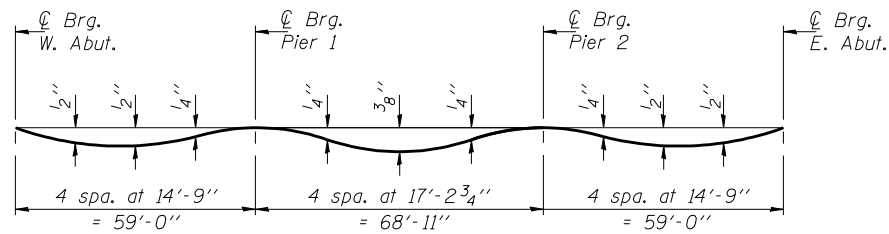
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	(57-22) BR-3	MCLEAN	42	16
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

SHEET NO. 5
24 SHEETS

Contract #70672



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 and grinding as shown below and on sheets 6 & 7 of 24.

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 4 of 24. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection and Grinding" shown below and on sheets 6 & 7 of 24, minus 8 1/4" deck thickness, equals the fillet heights "t" above top flange of beams.

The slab is to be ground after curing to achieve smoothness but the slab is not to be ground to elevations below the "Theoretical Grade Elevations" shown below and on sheets 6 & 7 of 24. For grinding the deck, see Special Provisions.

FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection & Grinding
BK. W. ABUT.	103804.25	-16.02	757.18	757.20
CL. EXP. JT.	103805.83	-16.02	757.17	757.19
CL. BRG. W. ABUT.	103806.54	-16.02	757.17	757.19
A	103816.54	-16.02	757.09	757.13
B	103826.54	-16.02	757.01	757.08
C	103836.54	-16.02	756.94	757.01
D	103846.54	-16.02	756.88	756.93
E	103856.54	-16.02	756.81	756.85
CL. BRG. PIER 1	103865.54	-16.02	756.76	756.78
F	103875.54	-16.02	756.71	756.74
G	103885.54	-16.02	756.65	756.69
H	103895.54	-16.02	756.6	756.66
I	103905.54	-16.02	756.56	756.61
J	103915.54	-16.02	756.52	756.56
K	103925.54	-16.02	756.48	756.51
CL. BRG. PIER 2	103934.46	-16.02	756.45	756.47
L	103944.46	-16.02	756.42	756.46
M	103954.46	-16.02	756.39	756.44
N	103964.46	-16.02	756.37	756.44
O	103974.46	-16.02	756.35	756.41
P	103984.46	-16.02	756.34	756.38
CL. BRG. E. ABUT.	103993.46	-16.02	756.32	756.34
CL. EXP. JT.	103994.17	-16.02	756.32	756.34
BK. E. ABUT.	103995.75	-16.02	756.32	756.34

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection & Grinding
BK. W. ABUT.	103804.25	-8.81	757.32	757.34
CL. EXP. JT.	103805.83	-8.81	757.31	757.33
CL. BRG. W. ABUT.	103806.54	-8.81	757.30	757.32
A	103816.54	-8.81	757.22	757.27
B	103826.54	-8.81	757.15	757.21
C	103836.54	-8.81	757.08	757.14
D	103846.54	-8.81	757.01	757.06
E	103856.54	-8.81	756.95	756.98
CL. BRG. PIER 1	103865.54	-8.81	756.89	756.91
F	103875.54	-8.81	756.84	756.87
G	103885.54	-8.81	756.79	756.83
H	103895.54	-8.81	756.74	756.79
I	103905.54	-8.81	756.69	756.74
J	103915.54	-8.81	756.65	756.69
K	103925.54	-8.81	756.61	756.64
CL. BRG. PIER 2	103934.46	-8.81	756.58	756.60
L	103944.46	-8.81	756.55	756.59
M	103954.46	-8.81	756.53	756.58
N	103964.46	-8.81	756.50	756.57
O	103974.46	-8.81	756.48	756.54
P	103984.46	-8.81	756.47	756.51
CL. BRG. E. ABUT.	103993.46	-8.81	756.46	756.48
CL. EXP. JT.	103994.17	-8.81	756.46	756.48
BK. E. ABUT.	103995.75	-8.81	756.46	756.48

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection & Grinding
BK. W. ABUT.	103804.25	-1.6	757.43	757.45
CL. EXP. JT.	103805.83	-1.6	757.42	757.44
CL. BRG. W. ABUT.	103806.54	-1.6	757.41	757.43
A	103816.54	-1.6	757.33	757.38
B	103826.54	-1.6	757.26	757.32
C	103836.54	-1.6	757.19	757.26
D	103846.54	-1.6	757.12	757.17
E	103856.54	-1.6	757.06	757.09
CL. BRG. PIER 1	103865.54	-1.6	757.01	757.03
F	103875.54	-1.6	756.95	756.98
G	103885.54	-1.6	756.90	756.94
H	103895.54	-1.6	756.85	756.90
I	103905.54	-1.6	756.81	756.86
J	103915.54	-1.6	756.76	756.81
K	103925.54	-1.6	756.73	756.76
CL. BRG. PIER 2	103934.46	-1.6	756.70	756.72
L	103944.46	-1.6	756.67	756.70
M	103954.46	-1.6	756.64	756.69
N	103964.46	-1.6	756.62	756.68
O	103974.46	-1.6	756.60	756.66
P	103984.46	-1.6	756.58	756.62
CL. BRG. E. ABUT.	103993.46	-1.6	756.57	756.59
CL. EXP. JT.	103994.17	-1.6	757.57	757.59
BK. E. ABUT.	103995.75	-1.6	756.57	756.59

DESIGNED	DPN
CHECKED	SMR
DRAWN	h.t. duong
CHECKED	DPN/SMR

Jan. 31, 2008
EXAMINED *Thomas J. Domagalak*
ENGINEER OF BRIDGE DESIGN
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
F.A.I. RT. 74 - SEC. (57-22)BR-3
MCLEAN COUNTY
STATION 1039+00
STRUCTURE NO. 057-0125 (E.B.)