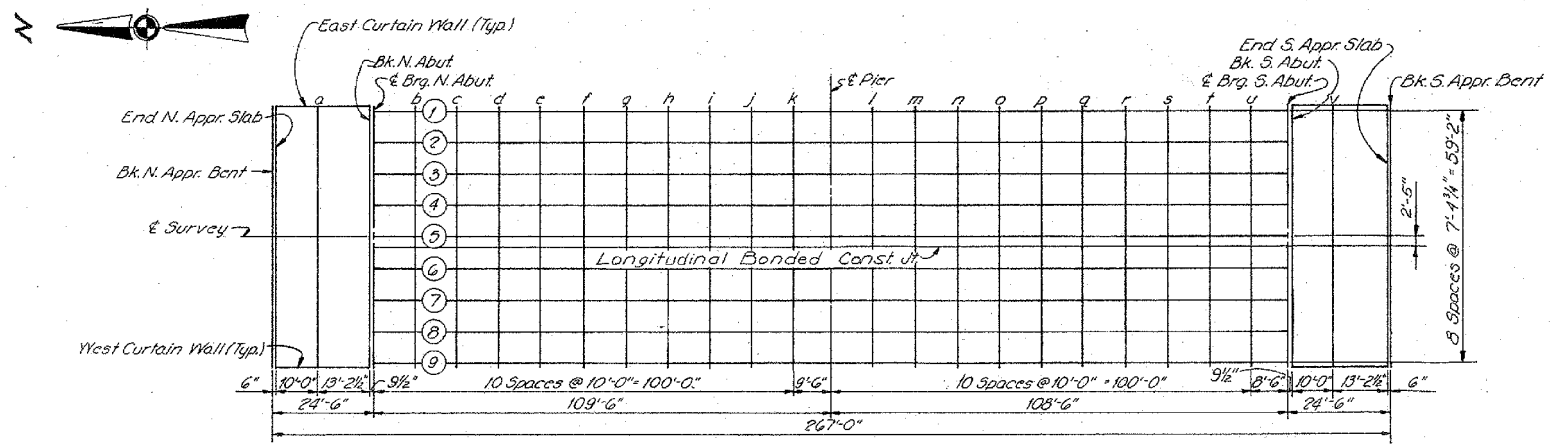
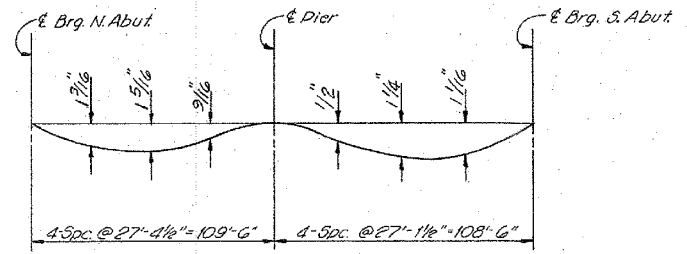


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA.405	72-7HB	PEORIA	180	39
FED. ROAD DIST. NO.4		ILLINOIS	FED. AID PROJ.	



PLAN



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

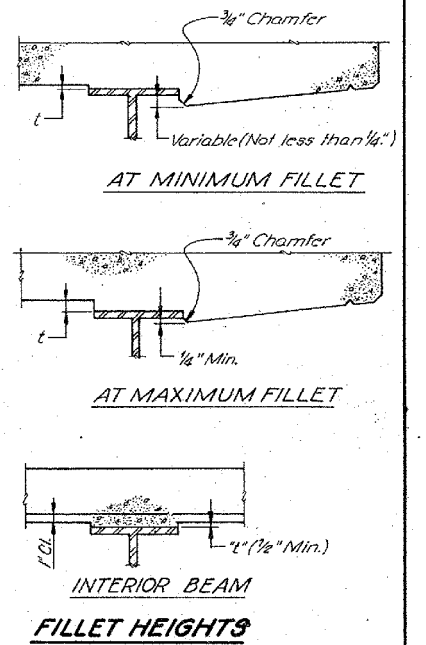
NOTE: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

NOTES:
To determine "t" After all 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 "t" above top flanges of beams.
Offsets are from \pm ILL. 174, Negative Values to the left and Positive Values to the right.

GIRDER 1					
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	DEFLECTION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut	143+61.00	-29.58	820.473	0.000	820.473
End N. Abut Slab	143+61.50	-29.58	820.475	0.000	820.475
a	143+71.50	-29.58	820.512	0.000	820.512
Bk. N. Abut	143+84.71	-29.58	820.552	0.000	820.552
End N. Abut	143+85.50	-29.58	820.554	0.000	820.554
b	143+95.50	-29.58	820.578	0.042	820.620
c	144+05.50	-29.58	820.596	0.079	820.675
d	144+15.50	-29.58	820.609	0.103	820.712
e	144+25.50	-29.58	820.616	0.116	820.731
f	144+35.50	-29.58	820.617	0.118	820.731
g	144+45.50	-29.58	820.613	0.101	820.714
h	144+55.50	-29.58	820.603	0.077	820.680
i	144+65.50	-29.58	820.587	0.050	820.631
j	144+75.50	-29.58	820.566	0.025	820.591
k	144+85.50	-29.58	820.540	0.007	820.547
End N. Abut	144+95.00	-29.58	820.509	0.000	820.509
End N. Abut	145+05.00	-29.58	820.472	0.005	820.477
m	145+15.00	-29.58	820.429	0.023	820.452
n	145+25.00	-29.58	820.380	0.047	820.427
o	145+35.00	-29.58	820.326	0.073	820.399
p	145+45.00	-29.58	820.266	0.095	820.361
q	145+55.00	-29.58	820.200	0.108	820.307
r	145+65.00	-29.58	820.129	0.107	820.236
s	145+75.00	-29.58	820.053	0.094	820.147
t	145+85.00	-29.58	819.971	0.069	820.040
u	145+95.00	-29.58	819.883	0.034	819.917
End S. Abut	146+03.50	-29.58	819.804	0.000	819.804
Bk. S. Abut	146+04.29	-29.58	819.796	0.000	819.796
End S. Abut	146+14.29	-29.58	819.698	0.000	819.698
End S. Abut Slab	146+27.50	-29.58	819.559	0.000	819.559
Bk. S. Abut	146+28.00	-29.58	819.553	0.000	819.553

E. LONGITUDINAL JOINT					
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	DEFLECTION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut	143+61.00	-29.58	820.473	0.000	820.473
End N. Abut Slab	143+61.50	-29.58	820.475	0.000	820.475
a	143+71.50	-29.58	820.512	0.000	820.512
Bk. N. Abut	143+84.71	-29.58	820.552	0.000	820.552
End N. Abut	143+85.50	-29.58	820.554	0.000	820.554
b	143+95.50	-29.58	820.578	0.042	820.620
c	144+05.50	-29.58	820.596	0.079	820.675
d	144+15.50	-29.58	820.609	0.103	820.712
e	144+25.50	-29.58	820.616	0.116	820.731
f	144+35.50	-29.58	820.617	0.118	820.731
g	144+45.50	-29.58	820.613	0.101	820.714
h	144+55.50	-29.58	820.603	0.077	820.680
i	144+65.50	-29.58	820.587	0.050	820.631
j	144+75.50	-29.58	820.566	0.025	820.591
k	144+85.50	-29.58	820.540	0.007	820.547
End N. Abut	144+95.00	-29.58	820.509	0.000	820.509
End N. Abut	145+05.00	-29.58	820.472	0.005	820.477
m	145+15.00	-29.58	820.429	0.023	820.452
n	145+25.00	-29.58	820.380	0.047	820.427
o	145+35.00	-29.58	820.326	0.073	820.399
p	145+45.00	-29.58	820.266	0.095	820.361
q	145+55.00	-29.58	820.200	0.108	820.307
r	145+65.00	-29.58	820.129	0.107	820.236
s	145+75.00	-29.58	820.053	0.094	820.147
t	145+85.00	-29.58	819.971	0.069	820.040
u	145+95.00	-29.58	819.883	0.034	819.917
End S. Abut	146+03.50	-29.58	819.804	0.000	819.804
Bk. S. Abut	146+04.29	-29.58	819.796	0.000	819.796
End S. Abut	146+14.29	-29.58	819.698	0.000	819.698
End S. Abut Slab	146+27.50	-29.58	819.559	0.000	819.559
Bk. S. Abut	146+28.00	-29.58	819.553	0.000	819.553

GIRDER 2					
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	DEFLECTION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut	143+61.00	-22.19	820.588	0.000	820.588
End N. Abut Slab	143+61.50	-22.19	820.590	0.000	820.590
a	143+71.50	-22.19	820.627	0.000	820.627
Bk. N. Abut	143+84.71	-22.19	820.668	0.000	820.668
End N. Abut	143+85.50	-22.19	820.670	0.000	820.670
b	143+95.50	-22.19	820.633	0.042	820.735
c	144+05.50	-22.19	820.712	0.079	820.791
d	144+15.50	-22.19	820.724	0.103	820.827
e	144+25.50	-22.19	820.731	0.116	820.847
f	144+35.50	-22.19	820.732	0.118	820.847
g	144+45.50	-22.19	820.728	0.101	820.829
h	144+55.50	-22.19	820.718	0.077	820.795
i	144+65.50	-22.19	820.703	0.050	820.753
j	144+75.50	-22.19	820.682	0.025	820.707
k	144+85.50	-22.19	820.655	0.007	820.662
End N. Abut	144+95.00	-22.19	820.625	0.000	820.625
End N. Abut	145+05.00	-22.19	820.587	0.005	820.592
m	145+15.00	-22.19	820.544	0.023	820.567
n	145+25.00	-22.19	820.496	0.047	820.543
o	145+35.00	-22.19	820.441	0.073	820.514
p	145+45.00	-22.19	820.381	0.095	820.476
q	145+55.00	-22.19	820.316	0.107	820.425
r	145+65.00	-22.19	820.245	0.107	820.359
s	145+75.00	-22.19	820.168	0.094	820.268
t	145+85.00	-22.19	820.086	0.069	820.155
u	145+95.00	-22.19	819.998	0.034	820.032
End S. Abut	146+03.50	-22.19	819.919	0.000	819.919
Bk. S. Abut	146+04.29	-22.19	819.912	0.000	819.912
End S. Abut	146+14.29	-22.19	819.813	0.000	819.813
End S. Abut Slab	146+27.50	-22.19	819.674	0.000	819.674
Bk. S. Abut	146+28.00	-22.19	819.669	0.000	819.669



NOTE: Elevations are at top of concrete.

Designed	LRW
Checked	DED
Drawn	R.P. Warnock
Checked	LRW

MAURER-STUTZ ENGINEERS SURVEYORS

FILE NAME =	USER NAME = wllewis	DESIGNED -	REVISED -
S:\237\2013\23713009\00\11\enRdPh11\CADD	CADD Sheets\0468683-sht-Exist Plans02-SN0720	DRAWN -	REVISED -
Default	PLOT DATE = 1/24/2014 3:18:42 PM	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
ALLEN ROAD IMPROVEMENTS
EXISTING BRIDGE PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6584	105; (72-7HB)BY	PEORIA	487	342
6585			CONTRACT NO. 68683	
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TOP OF SLAB ELEVATIONS
PROJECT: FA.405
ILL. HWY. 174 OVER FA. ROUTE 405
FA.405 SECTION 72-7HB
PEORIA COUNTY
STA. 929+03.18