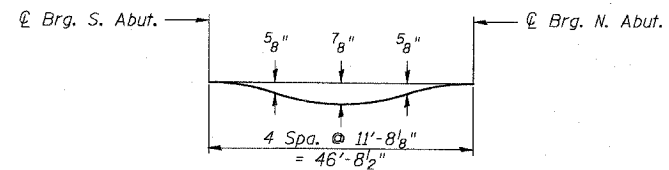
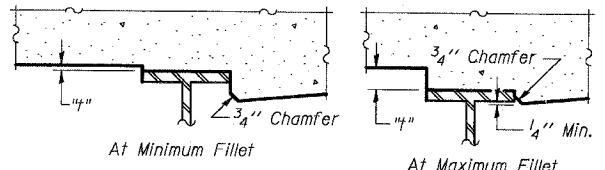


PLAN



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete deck and all superimposed dead loads except for future wearing surface.)  
 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 above and on S-03.



FILLET HEIGHTS

To determine "t": After all structural 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 above, minus slab thickness, equals the fillet heights "t" above top flange of beams.

DESIGNED	MGH
CHECKED	RGD
DRAWN	WJH
CHECKED	NRF

ROADWAY & PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of South Abutment	106+76.00	0.00	689.61	689.61
Centerline of Brg. S. Abut.	106+77.00	0.00	689.61	689.61
A	106+87.00	0.00	689.61	689.65
B	106+97.00	0.00	689.61	689.68
C	107+07.00	0.00	689.60	689.67
D	107+17.00	0.00	689.60	689.63
Centerline of Brg. N. Abut.	107+23.70	0.00	689.60	689.60
Back of North Abutment	107+24.70	0.00	689.60	689.60

GIRDER #1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of South Abutment	106+72.73	-18.54	689.29	689.29
Centerline of Brg. S. Abut.	106+73.73	-18.54	689.29	689.29
A	106+83.73	-18.54	689.29	689.33
B	106+93.73	-18.54	689.29	689.36
C	107+03.73	-18.54	689.28	689.35
D	107+13.73	-18.54	689.28	689.31
Centerline of Brg. N. Abut.	107+20.43	-18.54	689.28	689.28
Back of North Abutment	107+21.43	-18.54	689.28	689.28

GIRDER #2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of South Abutment	106+74.04	-11.13	689.44	689.44
Centerline of Brg. S. Abut.	106+75.04	-11.13	689.44	689.44
A	106+85.04	-11.13	689.44	689.48
B	106+95.04	-11.13	689.44	689.51
C	107+05.04	-11.13	689.43	689.50
D	107+15.04	-11.13	689.43	689.46
Centerline of Brg. N. Abut.	107+21.74	-11.13	689.43	689.43
Back of North Abutment	107+22.74	-11.13	689.43	689.43

GIRDER #3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of South Abutment	106+75.35	-3.71	689.55	689.55
Centerline of Brg. S. Abut.	106+76.35	-3.71	689.55	689.55
A	106+86.35	-3.71	689.55	689.59
B	106+96.35	-3.71	689.55	689.62
C	107+06.35	-3.71	689.54	689.61
D	107+16.35	-3.71	689.54	689.57
Centerline of Brg. N. Abut.	107+23.05	-3.71	689.54	689.54
Back of North Abutment	107+24.05	-3.71	689.54	689.54

GIRDER #4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of South Abutment	106+76.65	3.71	689.55	689.55
Centerline of Brg. S. Abut.	106+77.65	3.71	689.55	689.55
A	106+87.65	3.71	689.55	689.59
B	106+97.65	3.71	689.55	689.62
C	107+07.65	3.71	689.54	689.61
D	107+17.65	3.71	689.54	689.57
Centerline of Brg. N. Abut.	107+24.35	3.71	689.54	689.54
Back of North Abutment	107+25.35	3.71	689.54	689.54

GIRDER #5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of South Abutment	106+77.96	11.13	689.44	689.44
Centerline of Brg. S. Abut.	106+78.96	11.13	689.44	689.44
A	106+88.96	11.13	689.44	689.48
B	106+98.96	11.13	689.44	689.51
C	107+08.96	11.13	689.43	689.50
D	107+18.96	11.13	689.43	689.46
Centerline of Brg. N. Abut.	107+25.66	11.13	689.43	689.43
Back of North Abutment	107+26.66	11.13	689.43	689.43

GIRDER #6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of South Abutment	106+81.23	18.54	689.29	689.29
Centerline of Brg. S. Abut.	106+82.23	18.54	689.29	689.29
A	106+92.23	18.54	689.29	689.33
B	107+02.23	18.54	689.29	689.36
C	107+12.23	18.54	689.28	689.35
D	107+22.23	18.54	689.28	689.31
Centerline of Brg. N. Abut.	107+28.93	18.54	689.28	689.28
Back of North Abutment	107+29.93	18.54	689.28	689.28

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

Top of Deck Slab Elevations - Deck Tables  
 Harlem Avenue/Drecksler Road  
 Over Black Walnut Creek  
 Will County  
 Section 01-00139-02-BR  
 SN. 099-3091

DATE 5-26-2005