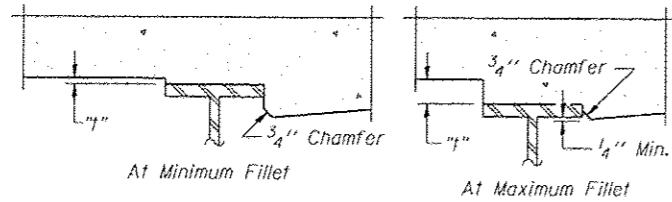


DEAD LOAD DEFLECTION DIAGRAM

(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 sheet 10 of 31.



To determine "I": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on this sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection and Grinding" shown on this sheet and on sheet 10 of 31, minus 8 1/4" deck thickness, equals the fillet heights "I" 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 on this sheet and on sheet 10 of 31. For grinding the deck, see Special Provisions.

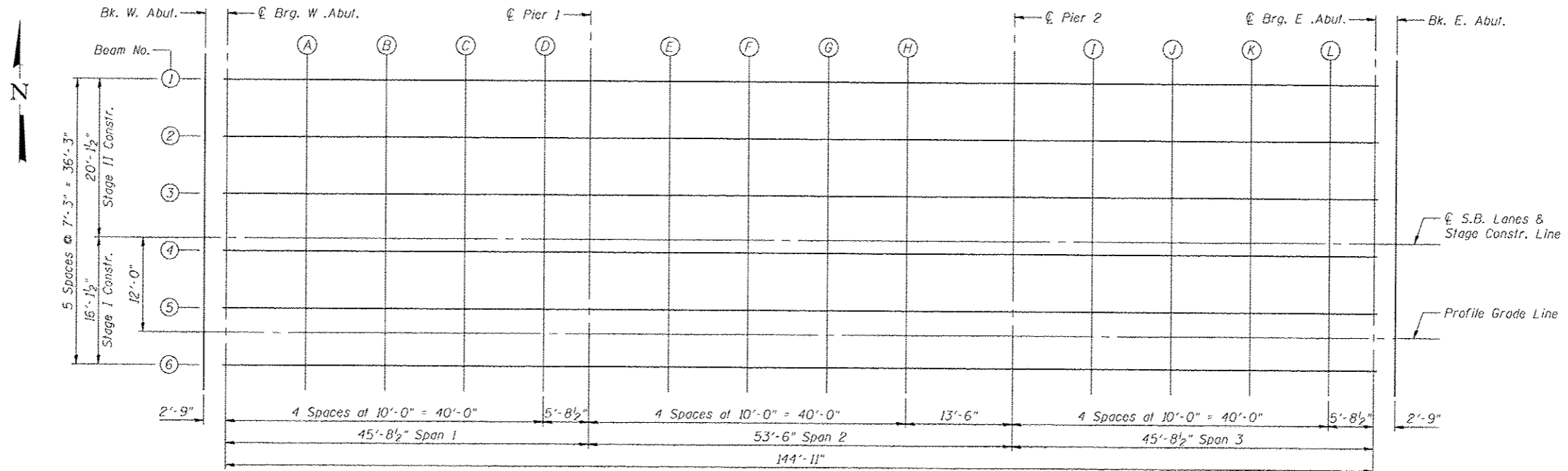
FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
Bk. W. Abut.	576+09.40	-32.13	607.68	607.70
CL Brg. W. Abut.	576+11.69	-32.13	607.70	607.72
A	576+21.69	-32.13	607.79	607.82
B	576+31.69	-32.13	607.87	607.91
C	576+41.69	-32.13	607.96	607.99
D	576+51.65	-32.13	608.03	608.06
CL Pier 1	576+57.40	-32.13	608.08	608.10
E	576+77.40	-32.13	608.15	608.18
F	576+77.40	-32.13	608.22	608.25
G	576+87.40	-32.13	608.28	608.31
H	576+97.40	-32.13	608.34	608.37
CL Pier 2	577+10.90	-32.13	608.42	608.44
I	577+20.90	-32.13	608.47	608.50
J	577+30.90	-32.13	608.52	608.56
K	577+40.90	-32.13	608.56	608.60
L	577+50.90	-32.13	608.60	608.63
CL Brg. E. Abut.	577+56.61	-32.13	608.63	608.65
Bk. E. Abut.	577+58.90	-32.13	608.63	608.65

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
Bk. W. Abut.	576+09.40	-24.88	607.83	607.85
CL Brg. W. Abut.	576+11.69	-24.88	607.85	607.87
A	576+21.69	-24.88	607.94	607.97
B	576+31.69	-24.88	608.03	608.06
C	576+41.69	-24.88	608.11	608.14
D	576+51.65	-24.88	608.19	608.21
CL Pier 1	576+57.40	-24.88	608.23	608.25
E	576+77.40	-24.88	608.30	608.33
F	576+77.40	-24.88	608.37	608.40
G	576+87.40	-24.88	608.43	608.46
H	576+97.40	-24.88	608.49	608.52
CL Pier 2	577+10.90	-24.88	608.57	608.59
I	577+20.90	-24.88	608.62	608.65
J	577+30.90	-24.88	608.67	608.71
K	577+40.90	-24.88	608.71	608.75
L	577+50.90	-24.88	608.76	608.78
CL Brg. E. Abut.	577+56.61	-24.88	608.78	608.80
Bk. E. Abut.	577+58.90	-24.88	608.79	608.81



REV. SHEET 6-3-13

PLAN

CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # 2276.3
FILE # 0540057_0058-09-10-SN0058TopSlabElev.dgn
DATE # 5/17/2013

DESIGNED - AAN
CHECKED - MDC
DRAWN - SJS
CHECKED - MDC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 054-0058 (SB)

SHEET NO. 9 OF 31 SHEETS

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 LOGAN CO BR 2011-1	LOGAN	429	208
CONTRACT NO.			72E11	
ILLINOIS FED. AID PROJECT				