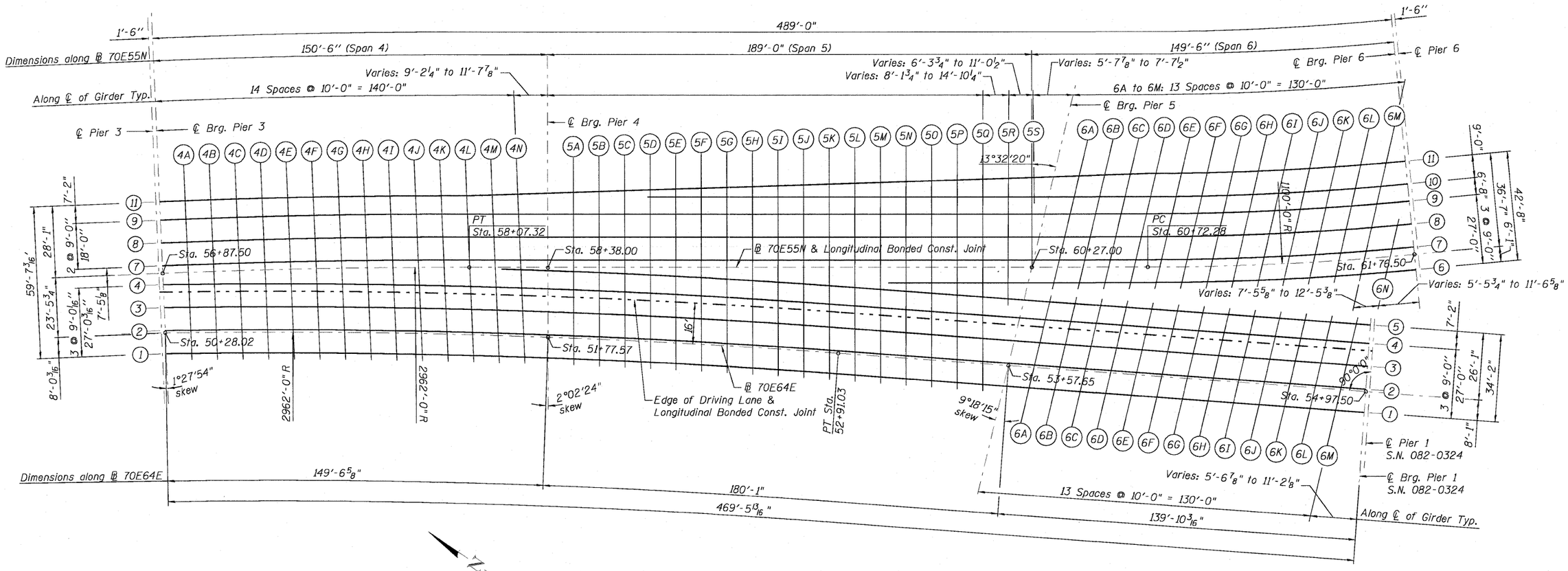
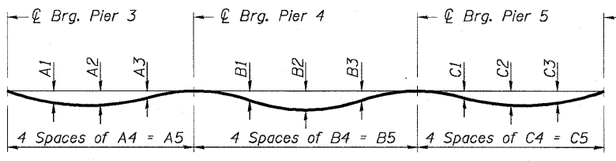


TOP OF SLAB ELEVATION PLAN - UNIT 2



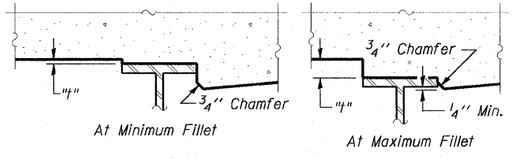
℄ Brg. Pier 1 - Girders 1-5 or
℄ Brg. Pier 6 - Girders 6-11

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 on Sheets S-21 thru S-25 of S-234.

Girder	DEAD LOAD DEFLECTIONS														
	Span 4					Span 5					Span 6				
	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	C1	C2	C3	C4	C5
1	1 1/4"	1 5/8"	3/4"	37'- 3 5/8"	149'- 2 5/8"	1/2"	1 "	5/8"	44'- 6 1/2"	178'- 2 "	1/2"	1 1/8"	7/8"	35'- 3 1/2"	141'- 2 "
2	1 1/4"	1 1/2"	3/4"	37'- 4 3/4"	149'- 7 "	1/2"	1 1/8"	5/8"	45'- 7/8"	180'- 3 5/8"	1/2"	1 "	7/8"	34'- 11 1/8"	139'- 8 3/8"
3	1 1/4"	1 3/8"	5/8"	37'- 5 7/8"	149'- 11 1/4"	1/2"	1 1/8"	5/8"	45'- 7 3/8"	182'- 5 3/8"	1/2"	1 "	7/8"	34'- 6 3/4"	138'- 2 3/4"
4	1 1/8"	1 1/4"	1/2"	37'- 6 7/8"	150'- 3 5/8"	5/8"	1 1/8"	5/8"	46'- 1 3/4"	184'- 7 "	1/2"	1 "	7/8"	34'- 2 1/4"	136'- 9 "
5	1/8"	0 "	0 "	4'- 9 1/4"	19'- 1 "	5/8"	1 1/4"	5/8"	46'- 6 7/8"	186'- 3 3/8"	1/2"	1 "	7/8"	33'- 10 3/4"	135'- 6 7/8"
6	----	----	----	----	----	1/2"	1/4"	0 "	13'- 10 5/8"	55'- 6 1/2"	3/4"	1 5/8"	1 1/2"	37'- 10 5/8"	151'- 6 3/8"
7	1 1/8"	1 1/4"	1/2"	37'- 7 7/8"	150'- 7 3/8"	3/4"	1 3/8"	5/8"	47'- 5 1/8"	189'- 8 3/8"	5/8"	1 1/2"	1 1/4"	37'- 1 5/8"	148'- 6 1/4"
8	1 1/8"	1 1/8"	1/2"	37'- 9 "	150'- 11 3/4"	7/8"	1 1/2"	3/4"	47'- 11 5/8"	191'- 10 1/2"	1/2"	1 1/4"	1 1/8"	36'- 4 1/2"	145'- 6 "
9	1 1/8"	1 1/8"	1/2"	37'- 10 "	151'- 4 1/8"	1 "	1 3/4"	7/8"	48'- 6 1/8"	194'- 1/2"	3/8"	1 "	7/8"	35'- 7 1/2"	142'- 5 3/4"
10	----	----	----	----	----	1 3/4"	1 5/8"	3/4"	39'- 5 "	157'- 7 3/4"	1/4"	7/8"	7/8"	35'- 3/4"	140'- 2 7/8"
11	1 1/8"	1 1/4"	1/2"	37'- 11 "	151'- 7 3/4"	1 1/8"	2 "	1 1/8"	49'- 4 7/8"	197'- 7 1/2"	1/4"	3/4"	5/8"	34'- 4 5/8"	137'- 6 1/4"



To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets S-21 thru S-25 of S-234, minus slab thickness, equals the fillet heights "f" above top flange of beams.

FILLET HEIGHTS

AECOM

USER NAME =	DESIGNED - PJL	REVISED -
	DRAWN - BRD	REVISED -
PLOT SCALE = 0.2.0000 '/ IN.	CHECKED - KAB	REVISED -
PLOT DATE = 6/27/2011	DATE - 07-01-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATION PLAN – UNIT 2
I–70E OVER I–55, CSX & KCS RAILROADS
SCALE: | SHEET S-20 OF S-234 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-2	ST. CLAIR	399	147
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

k:\projects\GB0M6G01\svn082-0322 & 0324 Flyover\PGD_cad\PGL drawings\76c02_master_consolidated\structural\082-0322\sheet\082-0322-0324_76C76_SB06_TopOfSlac-Unit-2.dgn