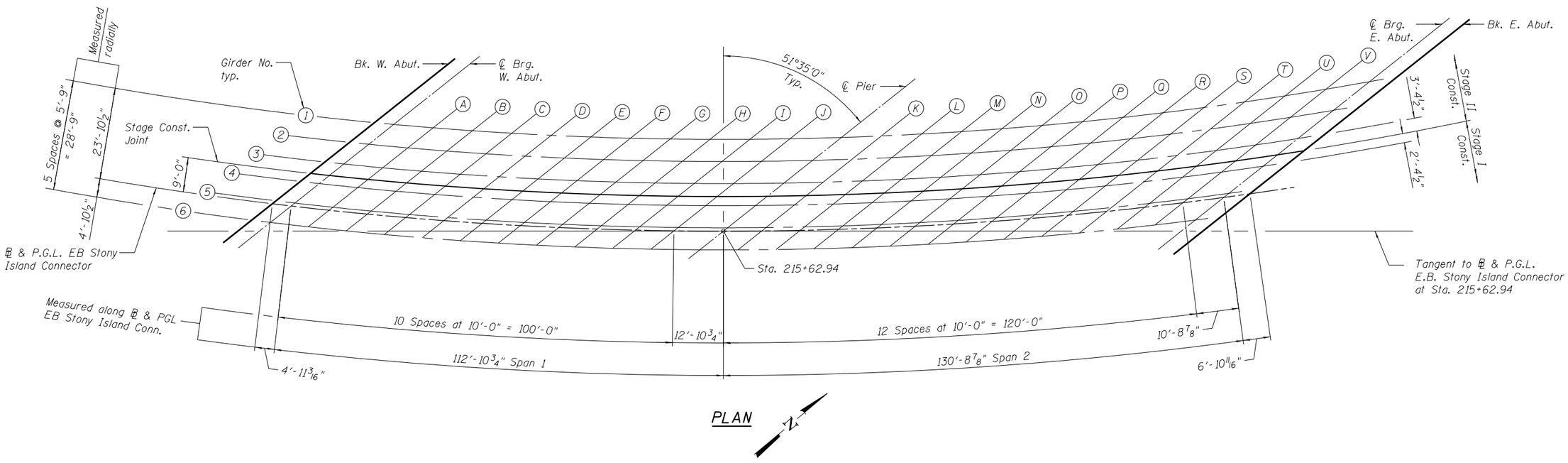
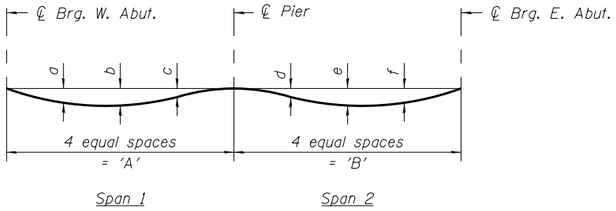


PLAN



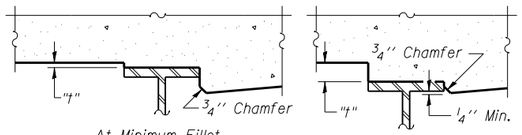
DEAD LOAD DEFLECTION DIAGRAM

(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 on Sheets S-8 through S-9.

DEAD LOAD DEFLECTION TABLE

	Span 1				Span 2			
	a	b	c	'A'	d	e	f	'B'
Girder 1	15/16"	1"	5/16"	116'-8¾"	1 3/16"	2⅛"	1 11/16"	138'-6 5/16"
Girder 2	⅞"	1"	⅜"	115'-8 15/16"	1"	2"	1⅝"	136'-5 9/16"
Girder 3	1"	1 1/16"	⅜"	114'-9 9/16"	1"	2 1/16"	1¾"	134'-6 5/16"
Girder 4	¾"	13/16"	¼"	113'-10 11/16"	⅞"	1 1/16"	1 5/16"	132'-8½"
Girder 5	15/16"	1"	⅜"	113'-0 5/16"	1"	1⅞"	1½"	130'-11⅞"
Girder 6	1 3/16"	1⅜"	½"	112'-2 5/16"	1 1/16"	2¼"	1 15/16"	129'-4 7/16"



To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets S-8 thru S-9, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILLET HEIGHTS

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com

USER NAME =	DESIGNED - TL	REVISED -
	CHECKED - BAK	REVISED -
PLOT SCALE =	DRAWN - TL	REVISED -
PLOT DATE = 03/29/2013	CHECKED - BAK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS LAYOUT
STRUCTURE NO. 016-2471
SHEET NO. S-7 OF S-63 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	500
		CONTRACT NO. 60J12		
	ILLINOIS FED. AID PROJECT			