CAMBER & DEFLECTION TABLE FOR GIRDERS

GIRDER	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0
		SPAN A																				
1	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.079	0.159	0.222	0.285	0.332	0.379	0.409	0.438	0.449	0.459	0.449	0.438	0.409	0.379	0.332	0.285	0.222	0.159	0.079	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.081	-0.162	-0.239	-0.316	-0.375	-0.435	-0.473	-0.510	-0.522	-0.534	-0.519	-0.505	-0.465	-0.426	-0.365	-0.304	-0.229	-0.154	-0.077	0.000
	FINAL CAMBER ↑	0″	0″	-1/16″	-3/16″	-3/8″	-1/2″	-11/16″	-3/4″	-7/8″	-7/8″	-7/8″	-7/8″	-13/16″	-11/16″	-9/16″	-3/8″	-1/4″	-1/16″	0″	0″	0″
2	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.079	0.159	0.222	0.285	0.332	0.379	0.409	0.438	0.449	0.459	0.449	0.438	0.409	0.379	0.332	0.285	0.222	0.159	0.079	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.088	-0.176	-0.260	-0.343	-0.409	-0.474	-0.515	-0.556	-0.569	-0.583	-0.567	-0.551	-0.509	-0.466	-0.400	-0.334	-0.252	-0.169	-0.085	0.000
	FINAL CAMBER ↑	0″	-1/8″	-3/16″	-7/16″	-11/16″	-15/16″	-1 1/8″	-1 1/4″	-1 7/16″	-1 7/16″	-1 1/2″	-1 7/16″	-1 3/8″	-1 3/16″	-1 1/16″	-13/16″	-9/16″	-3/8″	-1/8″	-1/16″	0″
3	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.079	0.159	0.222	0.285	0.332	0.379	0.409	0.438	0.449	0.459	0.449	0.438	0.409	0.379	0.332	0.285	0.222	0.159	0.079	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.087	-0.174	-0.257	-0.340	-0.404	-0.469	-0.510	-0.550	-0.563	-0.577	-0.561	-0.546	-0.504	-0.462	-0.396	-0.331	-0.250	-0.168	-0.084	0.000
	FINAL CAMBER ↑	0″	-1/16″	-3/16″	-7/16″	-5/8″	-7/8″	-1 1/16″	-1 3/16″	-1 3/8″	-1 3/8″	-1 7/16″	-1 3/8″	-1 5/16″	-1 1/8″	-1″	-3/4″	-9/16″	-5/16″	-1/8″	-1/16″	0″
4	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.079	0.159	0.222	0.285	0.332	0.379	0.409	0.438	0.449	0.459	0.449	0.438	0.409	0.379	0.332	0.285	0.222	0.159	0.079	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.087	-0.174	-0.257	-0.340	-0.404	-0.469	-0.510	-0.550	-0.563	-0.577	-0.561	-0.546	-0.504	-0.462	-0.396	-0.331	-0.250	-0.168	-0.084	0.000
	FINAL CAMBER ↑	0″	-1/16″	-3/16″	-7/16″	-5/8″	-7/8″	-1 1/16″	-1 3/16″	-1 3/8″	-1 3/8″	-1 7/16″	-1 3/8″	-1 5/16″	-1 1/8″	-1″	-3/4″	-9/16″	-5/16″	-1/8″	-1/16″	0″
5	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.079	0.159	0.222	0.285	0.332	0.379	0.409	0.438	0.449	0.459	0.449	0.438	0.409	0.379	0.332	0.285	0.222	0.159	0.079	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.088	-0.176	-0.260	-0.343	-0.409	-0.474	-0.515	-0.556	-0.569	-0.583	-0.567	-0.551	-0.509	-0.466	-0.400	-0.334	-0.252	-0.169	-0.085	0.000
	FINAL CAMBER ↑	0″	-1/8″	-3/16″	-7/16″	-11/16″	-15/16″	-1 1/8″	-1 1/4″	-1 7/16″	-1 7/16″	-1 1/2″	-1 7/16″	-1 3/8″	-1 3/16″	-1 1/16″	-13/16″	-9/16″	-3/8″	-1/8″	-1/16″	0″
6	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.079	0.159	0.222	0.285	0.332	0.379	0.409	0.438	0.449	0.459	0.449	0.438	0.409	0.379	0.332	0.285	0.222	0.159	0.079	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.081	-0.162	-0.239	-0.316	-0.375	-0.435	-0.473	-0.510	-0.522	-0.534	-0.519	-0.505	-0.465	-0.426	-0.365	-0.304	-0.229	-0.154	-0.077	0.000
	FINAL CAMBER ↑	0″	0″	-1/16″	-3/16″	-3/8″	-1/2″	-11/16″	-3/4″	-7/8″	-7/8″	-7/8″	-7/8″	-13/16″	-11/16″	-9/16″	-3/8″	-1/4″	-1/16″	0″	0″	0″

CAMBER & DEFLECTION TABLE FOR GIRDERS

GIRDER	TENTH POINTS	0	.10	.20	.30	.40	.50	.60	.70	.80	.90	1.0
		SPAN B										
1	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.104	0.136	0.156	0.163	0.156	0.136	0.104	0.059	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.043	-0.087	-0.124	-0.148	-0.156	-0.149	-0.125	-0.089	-0.044	0.000
	FINAL CAMBER ↑	0″	3/16″	3/16″	1/8″	1/8″	1/16″	1/16″	1/8″	3/16″	3/16″	0″
2	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.104	0.136	0.156	0.163	0.156	0.136	0.104	0.059	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.050	-0.103	-0.145	-0.172	-0.182	-0.173	-0.146	-0.104	-0.052	0.000
	FINAL CAMBER ↑	0″	1/8″	0″	-1/8″	-3/16″	-1/4″	-3/16″	-1/8″	0″	1/16″	0″
3	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.104	0.136	0.156	0.163	0.156	0.136	0.104	0.059	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.051	-0.103	-0.146	-0.173	-0.182	-0.174	-0.147	-0.105	-0.052	0.000
	FINAL CAMBER ↑	0″	1/16″	0″	-1/8″	-3/16″	-1/4″	-3/16″	-1/8″	0″	1/16″	0″
4	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.104	0.136	0.156	0.163	0.156	0.136	0.104	0.059	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.051	-0.103	-0.146	-0.173	-0.182	-0.174	-0.147	-0.105	-0.052	0.000
	FINAL CAMBER ↑	0″	1/16″	0″	-1/8″	-3/16″	-1/4″	-3/16″	-1/8″	0″	1/16″	0″
5	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.104	0.136	0.156	0.163	0.156	0.136	0.104	0.059	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.050	-0.103	-0.145	-0.172	-0.182	-0.173	-0.146	-0.104	-0.052	0.000
	FINAL CAMBER ↑	0″	1/8″	0″	-1/8″	-3/16″	-1/4″	-3/16″	-1/8″	0″	1/16″	0″
6	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.104	0.136	0.156	0.163	0.156	0.136	0.104	0.059	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.043	-0.087	-0.124	-0.148	-0.156	-0.149	-0.125	-0.089	-0.044	0.000
	FINAL CAMBER ↑	0″	3/16″	3/16″	1/8″	1/8″	1/16″	1/16″	1/8″	3/16″	3/16″	0″

* INCLUDES DEAD LOADS DUE TO SLAB, HAUNCH, S.I.P. FORMS, BARRIERS, INTERMEDIATE DIAPHRAGMS, AND FUTURE WEARING SURFACE.

ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

DRAWN BY : HLS DATE : 5/29/14
CHECKED BY : EML DATE : 6/3/14

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 628+65.50 -L-

SHEET 2 OF 3

DocuSigned by: Steven K Doerer
A22D3DBEFA1D43F...
8/6/2014

NORTH CAROLINA PROFESSIONAL SEAL 16572 ENGINEER STEVEN K. DOERER

Prepared by:
JACOBS
JACOBS ENGINEERING GROUP
111 CORNING ROAD, SUITE 200
CARY, NORTH CAROLINA 27518
TEL: (919) 859-5000

DWG. NO. 20 OF 44

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

CAMBER & DEFLECTION TABLES FOR SPANS A AND B

LEFT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-329
1			3			TOTAL SHEETS
2			4			707