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	0.088	0.175	0.246	0.316	0.369	0.422	0.456	0.490	0.501	0.513	0.501	0.490	0.456	0.422	0.369	0.316	0.246	0.175	0.088	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.100	-0.201	-0.296	-0.392	-0.466	-0.540	-0.587	-0.633	-0.647	-0.662	-0.644	-0.626	-0.577	-0.528	-0.453	-0.378	-0.284	-0.191	-0.096	0.000
	FINAL CAMBER ↑	0"	-1/8"	-5/16"	-5/8"	-7/8"	-1 3/16"	-1 7/16"	-1 9/16"	-1 3/4"	-1 3/4"	-1 13/16"	-1 11/16"	-1 5/8"	-1 7/16"	-1 1/4"	-1"	-3/4"	-7/16"	-3/16"	-1/8"	0"
2	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.088	0.175	0.246	0.316	0.369	0.422	0.456	0.490	0.501	0.513	0.501	0.490	0.456	0.422	0.369	0.316	0.246	0.175	0.088	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.105	-0.209	-0.308	-0.408	-0.485	-0.563	-0.611	-0.659	-0.675	-0.690	-0.671	-0.652	-0.601	-0.551	-0.472	-0.394	-0.297	-0.200	-0.100	0.000
	FINAL CAMBER ↑	0"	-3/16"	-3/8"	-3/4"	-1 1/8"	-1 3/8"	-1 11/16"	-1 7/8"	-2 1/16"	-2 1/16"	-2 1/8"	-2 1/16"	-1 15/16"	-1 3/4"	-1 9/16"	-1 1/4"	-15/16"	-5/8"	-5/16"	-1/8"	0"
3	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.088	0.175	0.246	0.316	0.369	0.422	0.456	0.490	0.501	0.513	0.501	0.490	0.456	0.422	0.369	0.316	0.246	0.175	0.088	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.100	-0.201	-0.296	-0.392	-0.466	-0.540	-0.587	-0.633	-0.647	-0.662	-0.644	-0.626	-0.577	-0.528	-0.453	-0.378	-0.284	-0.191	-0.096	0.000
	FINAL CAMBER ↑	0"	-1/8"	-5/16"	-5/8"	-7/8"	-1 3/16"	-1 7/16"	-1 9/16"	-1 3/4"	-1 3/4"	-1 13/16"	-1 11/16"	-1 5/8"	-1 7/16"	-1 1/4"	-1"	-3/4"	-7/16"	-3/16"	-1/8"	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	0.054	0.095	0.125	0.144	0.150	0.144	0.125	0.095	0.054	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.036	-0.076	-0.108	-0.130	-0.137	-0.131	-0.110	-0.078	-0.038	0.000
	FINAL CAMBER ↑	0"	3/16"	1/4"	3/16"	3/16"	1/8"	1/8"	3/16"	3/16"	3/16"	0"
2	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.054	0.095	0.125	0.144	0.150	0.144	0.125	0.095	0.054	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.039	-0.082	-0.117	-0.140	-0.148	-0.141	-0.119	-0.085	-0.041	0.000
	FINAL CAMBER ↑	0"	3/16"	3/16"	1/8"	1/16"	0"	0"	1/16"	1/8"	1/8"	0"
3	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.054	0.095	0.125	0.144	0.150	0.144	0.125	0.095	0.054	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.036	-0.076	-0.108	-0.130	-0.137	-0.131	-0.110	-0.078	-0.038	0.000
	FINAL CAMBER ↑	0"	3/16"	1/4"	3/16"	3/16"	1/8"	1/8"	3/16"	3/16"	3/16"	0"

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 C																				
1	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.118	0.165	0.211	0.245	0.280	0.301	0.322	0.330	0.337	0.330	0.322	0.301	0.280	0.245	0.211	0.165	0.118	0.059	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.053	-0.105	-0.157	-0.209	-0.250	-0.291	-0.318	-0.346	-0.355	-0.365	-0.357	-0.349	-0.323	-0.298	-0.257	-0.215	-0.163	-0.110	-0.055	0.000
	FINAL CAMBER ↑	0"	1/16"	1/8"	1/8"	1/16"	-1/16"	-1/8"	-3/16"	-1/4"	-5/16"	-5/16"	-5/16"	-5/16"	-1/4"	-3/16"	-1/8"	-1/16"	0"	1/8"	1/16"	0"
2	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.118	0.165	0.211	0.245	0.280	0.301	0.322	0.330	0.337	0.330	0.322	0.301	0.280	0.245	0.211	0.165	0.118	0.059	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.055	-0.110	-0.164	-0.218	-0.261	-0.305	-0.333	-0.361	-0.371	-0.382	-0.373	-0.365	-0.338	-0.311	-0.268	-0.225	-0.170	-0.115	-0.057	0.000
	FINAL CAMBER ↑	0"	1/16"	1/8"	0"	-1/16"	-3/16"	-5/16"	-3/8"	-7/16"	-1/2"	-9/16"	-1/2"	-1/2"	-7/16"	-3/8"	-1/4"	-3/16"	-1/16"	1/16"	0"	0"
3	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.118	0.165	0.211	0.245	0.280	0.301	0.322	0.330	0.337	0.330	0.322	0.301	0.280	0.245	0.211	0.165	0.118	0.059	0.000
	DEFLECTION DUE TO SUPERIMPOSED D.L.* ↓	0.000	-0.053	-0.105	-0.157	-0.209	-0.250	-0.291	-0.318	-0.346	-0.355	-0.365	-0.357	-0.349	-0.323	-0.298	-0.257	-0.215	-0.163	-0.110	-0.055	0.000
	FINAL CAMBER ↑	0"	1/16"	1/8"	1/8"	1/16"	-1/16"	-1/8"	-3/16"	-1/4"	-5/16"	-5/16"	-5/16"	-5/16"	-1/4"	-3/16"	-1/8"	-1/16"	0"	1/8"	1/16"	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).

PROJECT NO. U-2579B

FORSYTH COUNTY

STATION: 33+15.67 -Y4CD-

SHEET 2 OF 2

DocuSigned by: Steven K. Doerner
A2D03D8EF41D43F...
8/6/2014

NORTH CAROLINA PROFESSIONAL SEAL 16572 ENGINEER STEVEN K. DOERNER

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

DWG. NO. 20 OF 43

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

CAMBER & DEFLECTION TABLES FOR SPANS A, B, AND C

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-286
1			3			TOTAL SHEETS
2			4			707

DRAWN BY : HLS DATE : 6/2/14
CHECKED BY : EML DATE : 6/3/14

$$$$$$$$TIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$