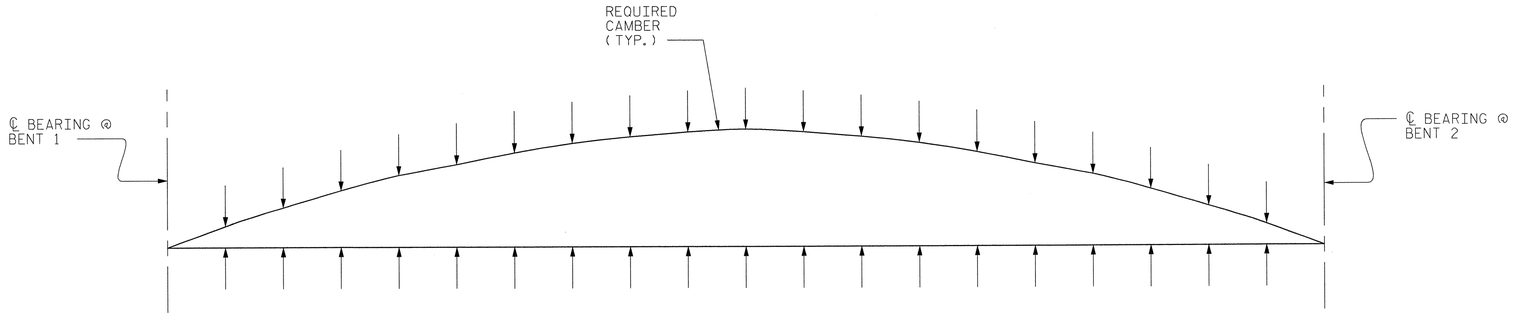
11/12/2003
u:\71000164\05_Site_2\02_Drawings\02_final\R2610A_SD_DL_02.dgn
mostrishko



DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN B																				
	GIRDER B1																				
TENTH POINTS	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.003	0.006	0.009	0.012	0.014	0.016	0.018	0.019	0.020	0.020	0.020	0.019	0.018	0.016	0.014	0.012	0.009	0.007	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.014	0.027	0.039	0.049	0.060	0.068	0.074	0.079	0.082	0.083	0.082	0.080	0.075	0.069	0.061	0.050	0.040	0.027	0.015	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.008	0.008	0.007	0.007	0.006	0.006	0.005	0.004	0.003	0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.018	0.036	0.052	0.066	0.080	0.090	0.099	0.105	0.109	0.111	0.110	0.106	0.100	0.091	0.081	0.067	0.053	0.037	0.020	0.000
VERTICAL CURVE ORDINATE	0.000	0.004	0.008	0.012	0.015	0.017	0.019	0.021	0.022	0.023	0.023	0.023	0.022	0.021	0.019	0.017	0.015	0.012	0.008	0.004	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER (mm)	0	22	44	64	81	97	109	120	127	132	134	133	128	121	110	98	82	65	45	24	0

NOTES

* INCLUDES SLAB, BUILD-UP AND STAY-IN-PLACE METAL FORMS.

" - " INDICATES UPWARD DEFLECTION.

VALUES SHOWN ARE IN METERS (m) EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS (mm).

VALUES SHOWN ARE AT TWENTIETH POINTS BETWEEN CENTERLINE OF BEARINGS.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN B																				
	GIRDER B4																				
TENTH POINTS	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.003	0.007	0.009	0.012	0.014	0.016	0.018	0.019	0.020	0.020	0.020	0.019	0.018	0.016	0.014	0.012	0.009	0.006	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.015	0.027	0.040	0.050	0.060	0.067	0.074	0.079	0.082	0.083	0.082	0.080	0.075	0.069	0.061	0.051	0.040	0.027	0.014	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.003	0.004	0.005	0.005	0.006	0.007	0.007	0.007	0.008	0.008	0.007	0.007	0.006	0.006	0.005	0.004	0.003	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.020	0.037	0.053	0.067	0.079	0.089	0.099	0.105	0.109	0.111	0.110	0.106	0.100	0.091	0.081	0.068	0.053	0.036	0.018	0.000
VERTICAL CURVE ORDINATE	0.000	0.004	0.008	0.012	0.015	0.017	0.019	0.021	0.022	0.023	0.023	0.023	0.022	0.021	0.019	0.017	0.015	0.012	0.008	0.004	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER (mm)	0	24	45	65	82	96	108	120	127	132	134	133	128	121	110	98	83	65	44	22	0

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DRAWN BY : M. J. OSTRISHKO DATE : 6-15-03
CHECKED BY : H. PAO DATE : 8-18-03

NORTH CAROLINA PROFESSIONAL SEAL 11809 ENGINEER HONG-LI PAO 11/19/03

PROJECT NO. R-2610A
CHATHAM COUNTY
STATION: 27+85.488 -L-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

DEAD LOAD DEFLECTION AND CAMBER ORDINATES

SPAN B
(LEFT LANE BRIDGE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-58
1			3			TOTAL SHEETS
2			4			82

STR. #2