30-OCT-2002 15:41
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srashidi

NOTE :

SLOPE TO ZERO BASELINE VARIES

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN A																				
	EXTERIOR GIRDERS #1 & #5																				
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.001	0.002	0.003	0.004	0.004	0.005	0.005	0.005	0.004	0.003	0.003	0.002	0.001	0.000	0.000	-0.001	0.000	-0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.004	0.008	0.012	0.015	0.017	0.018	0.018	0.017	0.016	0.013	0.010	0.007	0.004	0.000	-0.001	-0.003	-0.004	-0.005	-0.003	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.006	0.011	0.017	0.021	0.024	0.026	0.026	0.025	0.023	0.018	0.015	0.010	0.006	0.000	-0.001	-0.004	-0.004	-0.006	-0.003	0.000
VERTICAL CURVE ORDINATE	0.000	0.006	0.010	0.015	0.019	0.022	0.024	0.026	0.028	0.029	0.029	0.029	0.028	0.026	0.024	0.022	0.019	0.015	0.010	0.006	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	0	12	21	32	40	46	50	52	53	52	47	44	38	32	24	21	15	11	4	3	0

* INCLUDES FUTURE WEARING SURFACE

ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.

POSITIVE CAMBER = UPWARD CAMBER

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN A																				
	INTERIOR GIRDERS #2 , #3 & #4																				
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.001	0.002	0.003	0.004	0.004	0.005	0.005	0.005	0.004	0.003	0.003	0.002	0.001	0.000	0.000	-0.001	0.000	-0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.005	0.010	0.015	0.018	0.021	0.022	0.022	0.021	0.019	0.016	0.013	0.009	0.004	0.000	-0.003	-0.004	-0.005	-0.006	-0.004	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.007	0.013	0.020	0.024	0.028	0.030	0.030	0.029	0.026	0.021	0.018	0.012	0.006	0.000	-0.003	-0.005	-0.005	-0.007	-0.004	0.000
VERTICAL CURVE ORDINATE	0.000	0.006	0.010	0.015	0.019	0.022	0.024	0.026	0.028	0.029	0.029	0.029	0.028	0.026	0.024	0.022	0.019	0.015	0.010	0.006	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	0	13	23	35	43	50	54	56	57	55	50	47	40	32	24	19	14	10	3	2	0

* INCLUDES FUTURE WEARING SURFACE.

ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.

POSITIVE CAMBER = UPWARD CAMBER

NORTH CAROLINA PROFESSIONAL SEAL 11259 ENGINEER DAVID R. ANDERSON
3/22/04

DRAWN BY : S. M. RASHIDI DATE : 10-3-02
CHECKED BY : T. A. WALTER DATE : 10-4-02

PROJECT NO. R-513C
ROBESON COUNTY
STATION: 17+37.086 -Y3-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

DEAD LOAD DEFLECTIONS

SPAN A

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-223
1			3			TOTAL SHEETS
2			4			312

STR. 5