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DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN A

0.60" Ø LOW RELAXATION STRANDS	GIRDERS 1 & 8																					GIRDERS 2, 3, 4, 5, 6 & 7																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	1.0	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.029	0.058	0.085	0.110	0.132	0.150	0.165	0.176	0.182	0.185	0.182	0.176	0.165	0.150	0.132	0.110	0.085	0.058	0.029	0	0	0.029	0.058	0.085	0.110	0.132	0.150	0.165	0.176	0.182	0.185	0.182	0.176	0.165	0.150	0.132	0.110	0.085	0.058	0.029	0
** DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.019	0.039	0.056	0.074	0.087	0.101	0.109	0.118	0.120	0.122	0.119	0.115	0.106	0.096	0.082	0.069	0.051	0.034	0.017	0	0	0.021	0.042	0.062	0.081	0.096	0.112	0.121	0.130	0.133	0.136	0.133	0.129	0.119	0.108	0.093	0.078	0.058	0.039	0.020	0
FINAL CAMBER ↑	0	1/8"	1/4"	3/8"	7/16"	9/16"	9/16"	11/16"	11/16"	3/4"	3/4"	3/4"	3/4"	11/16"	5/8"	5/8"	1/2"	7/16"	5/16"	1/8"	0	0	1/8"	3/16"	1/4"	3/8"	7/16"	7/16"	1/2"	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	1/2"	7/16"	3/8"	5/16"	1/4"	1/8"	0

SPAN B

0.60" Ø LOW RELAXATION STRANDS	GIRDERS 1 & 8																					GIRDERS 2, 3, 4, 5, 6 & 7																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	1.0	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.038	0.074	0.109	0.141	0.169	0.193	0.212	0.225	0.234	0.237	0.234	0.225	0.212	0.193	0.169	0.141	0.109	0.074	0.038	0	0	0.038	0.074	0.109	0.141	0.169	0.193	0.212	0.225	0.234	0.237	0.234	0.225	0.212	0.193	0.169	0.141	0.109	0.074	0.038	0
** DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.024	0.048	0.072	0.096	0.115	0.134	0.147	0.159	0.164	0.168	0.164	0.160	0.148	0.135	0.116	0.097	0.073	0.049	0.025	0	0	0.028	0.057	0.084	0.111	0.133	0.155	0.169	0.183	0.188	0.192	0.188	0.184	0.170	0.156	0.134	0.112	0.085	0.057	0.029	0
FINAL CAMBER ↑	0	3/16"	5/16"	7/16"	9/16"	5/8"	11/16"	3/4"	13/16"	13/16"	13/16"	13/16"	3/4"	3/4"	11/16"	5/8"	1/2"	7/16"	5/16"	1/8"	0	0	1/8"	3/16"	5/16"	3/8"	7/16"	7/16"	1/2"	1/2"	9/16"	9/16"	9/16"	1/2"	1/2"	7/16"	7/16"	3/8"	5/16"	3/16"	1/8"	0

SPAN C

0.60" Ø LOW RELAXATION STRANDS	GIRDERS 1 & 8																					GIRDERS 2, 3, 4, 5, 6 & 7																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	1.0	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.038	0.074	0.109	0.141	0.169	0.193	0.212	0.225	0.234	0.237	0.234	0.225	0.212	0.193	0.169	0.141	0.109	0.074	0.038	0	0	0.038	0.074	0.109	0.141	0.169	0.193	0.212	0.225	0.234	0.237	0.234	0.225	0.212	0.193	0.169	0.141	0.109	0.074	0.038	0
** DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.025	0.049	0.073	0.097	0.116	0.134	0.147	0.159	0.163	0.166	0.162	0.158	0.146	0.133	0.114	0.095	0.072	0.048	0.024	0	0	0.028	0.057	0.084	0.112	0.134	0.155	0.169	0.183	0.188	0.192	0.187	0.183	0.169	0.154	0.133	0.111	0.084	0.056	0.028	0
FINAL CAMBER ↑	0	1/8"	5/16"	7/16"	1/2"	5/8"	11/16"	3/4"	13/16"	7/8"	7/8"	7/8"	13/16"	13/16"	3/4"	11/16"	9/16"	7/16"	5/16"	3/16"	0	0	1/8"	3/16"	5/16"	3/8"	7/16"	7/16"	1/2"	1/2"	9/16"	9/16"	9/16"	1/2"	1/2"	7/16"	7/16"	3/8"	5/16"	3/16"	1/8"	0

SPAN D

0.60" Ø LOW RELAXATION STRANDS	GIRDERS 1 & 8																					SPAN D GIRDERS 2, 3, 4, 5, 6 & 7																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	1.0	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.030	0.060	0.088	0.113	0.136	0.155	0.170	0.181	0.188	0.191	0.188	0.181	0.170	0.155	0.136	0.113	0.088	0.060	0.030	0	0	0.030	0.060	0.088	0.113	0.136	0.155	0.170	0.181	0.188	0.191	0.188	0.181	0.170	0.155	0.136	0.113	0.088	0.060	0.030	0
** DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.021	0.041	0.062	0.082	0.099	0.116	0.127	0.138	0.142	0.147	0.144	0.141	0.131	0.121	0.105	0.088	0.067	0.046	0.023	0	0	0.024	0.047	0.070	0.093	0.111	0.130	0.142	0.154	0.158	0.162	0.159	0.156	0.145	0.133	0.115	0.097	0.074	0.050	0.025	0
FINAL CAMBER ↑	0	1/8"	1/4"	5/16"	3/8"	7/16"	7/16"	1/2"	1/2"	9/16"	1/2"	1/2"	1/2"	7/16"	7/16"	3/8"	5/16"	1/4"	3/16"	1/16"	0	0	1/16"	1/8"	3/16"	1/4"	5/16"	5/16"	5/16"	5/16"	3/8"	3/8"	3/8"	5/16"	5/16"	1/4"	1/4"	3/16"	3/16"	1/8"	1/16"	0

** INCLUDES FUTURE WEARING SURFACE IN SUPERIMPOSED DEAD LOAD.

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

PROJECT NO. B-4565
LENOIR COUNTY
STATION: 20+17.50 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAILS

NORTH CAROLINA PROFESSIONAL SEAL 027799 ENGINEER ALLYSON K. ORR
11/13/2014

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

REVISIONS								
NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.	TOTAL SHEETS
1			3			S-22	118
2			4				

DRAWN BY : J.S. ISRAELNAIM DATE : 08/14
CHECKED BY : A.K. ORR DATE : 09/14
DESIGN ENGINEER OF RECORD : A.K. ORR DATE : 10/14

11/13/2014
1:21:37 PM
User: blanning
Filename: P:\NC Bridges\MI4001.01 - B-4565 Lenoir\Site 1\Structures\401_110_S01_B4565_SMU_PG005.dgn