

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN A																			
		ALL GIRDERS																			
TWENTIETH POINTS	BRG.	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑ (FT)	0.000	0.041	0.078	0.110	0.138	0.162	0.181	0.197	0.207	0.214	0.216	0.214	0.207	0.197	0.181	0.162	0.138	0.110	0.078	0.041	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.036	0.069	0.097	0.122	0.143	0.160	0.174	0.183	0.189	0.191	0.189	0.183	0.174	0.160	0.143	0.122	0.097	0.069	0.036	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	1/16"	1/8"	1/8"	3/16"	1/4"	1/4"	1/4"	5/16"	5/16"	5/16"	5/16"	5/16"	1/4"	1/4"	1/4"	3/16"	1/8"	1/8"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN B																			
		ALL GIRDERS																			
TWENTIETH POINTS	BRG.	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑ (FT)	0.000	0.041	0.078	0.110	0.138	0.162	0.181	0.197	0.207	0.214	0.216	0.214	0.207	0.197	0.181	0.162	0.138	0.110	0.078	0.041	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.037	0.071	0.101	0.126	0.148	0.166	0.180	0.189	0.195	0.197	0.195	0.189	0.180	0.166	0.148	0.126	0.101	0.071	0.037	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	1/16"	1/16"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	1/4"	1/4"	1/4"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/16"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN D																			
		ALL GIRDERS																			
TWENTIETH POINTS	BRG.	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑ (FT)	0.000	0.038	0.072	0.102	0.128	0.150	0.168	0.182	0.192	0.198	0.200	0.198	0.192	0.182	0.168	0.150	0.128	0.102	0.072	0.038	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.030	0.057	0.081	0.101	0.119	0.133	0.144	0.152	0.157	0.158	0.157	0.152	0.144	0.133	0.119	0.101	0.081	0.057	0.030	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	7/16"	1/2"	1/2"	1/2"	1/2"	1/2"	7/16"	7/16"	3/8"	5/16"	1/4"	3/16"	1/8"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN E																			
		ALL GIRDERS																			
TWENTIETH POINTS	BRG.	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑ (FT)	0.000	0.038	0.072	0.102	0.128	0.150	0.168	0.182	0.192	0.198	0.200	0.198	0.192	0.182	0.168	0.150	0.128	0.102	0.072	0.038	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.029	0.055	0.078	0.098	0.114	0.128	0.139	0.146	0.151	0.153	0.151	0.146	0.139	0.128	0.114	0.098	0.078	0.055	0.029	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	1/2"	9/16"	9/16"	9/16"	9/16"	9/16"	1/2"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN F																			
		ALL GIRDERS																			
TWENTIETH POINTS	BRG.	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑ (FT)	0.000	0.038	0.072	0.102	0.128	0.150	0.168	0.182	0.192	0.198	0.200	0.198	0.192	0.182	0.168	0.150	0.128	0.102	0.072	0.038	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.029	0.054	0.077	0.096	0.113	0.127	0.137	0.145	0.149	0.151	0.149	0.145	0.137	0.127	0.113	0.096	0.077	0.054	0.029	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	1/2"	9/16"	9/16"	9/16"	9/16"	9/16"	1/2"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN G																			
		ALL GIRDERS																			
TWENTIETH POINTS	BRG.	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑ (FT)	0.000	0.038	0.072	0.102	0.128	0.150	0.168	0.181	0.191	0.197	0.199	0.197	0.191	0.181	0.168	0.150	0.128	0.102	0.072	0.038	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.029	0.055	0.078	0.098	0.115	0.129	0.140	0.148	0.152	0.154	0.152	0.148	0.140	0.129	0.115	0.098	0.078	0.055	0.029	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	1/8"	3/16"	1/4"	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"	1/4"	3/16"	1/8"	0

* INCLUDES FUTURE WEARING SURFACE
 ** POSITIVE NUMBER MEANS UPWARD MOVEMENT. NEGATIVE NUMBER MEANS DOWNWARD MOVEMENT.
 ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM)

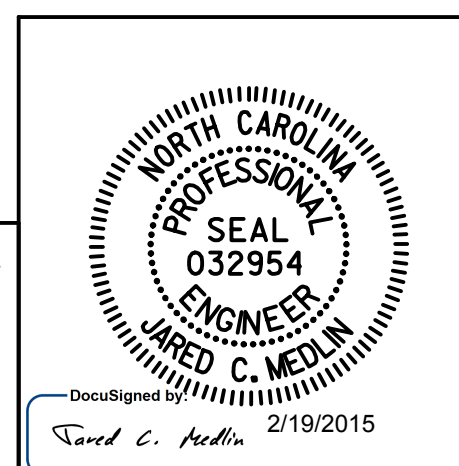
PROJECT NO. U-5008
MECKLENBURG COUNTY
 STATION: 20+45.05 -L- P.O.T. =
14+54.24 -Y4- P.O.T.

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DEAD LOAD DEFLECTION
 TABLES FOR GIRDERS

SPANS A, B, D, E, F & G

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-31	
1			3			SHEETS	
2			4			78	



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