

0400DEL\_P30

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN C																			
		GIRDER C1																			
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	0.031	0.058	0.082	0.103	0.121	0.136	0.147	0.155	0.160	0.162	0.160	0.155	0.147	0.136	0.121	0.103	0.082	0.058	0.031	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.015	0.029	0.041	0.052	0.061	0.068	0.074	0.078	0.080	0.081	0.080	0.078	0.074	0.068	0.061	0.052	0.041	0.029	0.015	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	3/16"	3/8"	1/2"	5/8"	3/4"	13/16"	7/8"	15/16"	15/16"	15/16"	15/16"	15/16"	7/8"	13/16"	3/4"	5/8"	1/2"	3/8"	3/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN C																			
		GIRDER C2																			
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	0.031	0.060	0.084	0.106	0.124	0.139	0.150	0.159	0.164	0.165	0.164	0.159	0.150	0.139	0.124	0.106	0.084	0.060	0.031	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.018	0.034	0.048	0.060	0.070	0.079	0.085	0.090	0.093	0.094	0.093	0.090	0.085	0.079	0.070	0.060	0.048	0.034	0.018	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	3/16"	5/16"	7/16"	9/16"	5/8"	3/4"	13/16"	13/16"	7/8"	7/8"	7/8"	13/16"	13/16"	3/4"	5/8"	9/16"	7/16"	5/16"	3/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN C																			
		GIRDER C3																			
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	0.032	0.061	0.086	0.108	0.127	0.142	0.153	0.162	0.167	0.169	0.167	0.162	0.153	0.142	0.127	0.108	0.086	0.061	0.032	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.019	0.036	0.051	0.063	0.074	0.083	0.090	0.095	0.098	0.099	0.098	0.095	0.090	0.083	0.074	0.063	0.051	0.036	0.019	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	3/16"	5/16"	7/16"	9/16"	5/8"	11/16"	3/4"	13/16"	13/16"	13/16"	13/16"	13/16"	3/4"	11/16"	5/8"	9/16"	7/16"	5/16"	3/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN C																			
		GIRDER C4																			
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	0.033	0.062	0.088	0.110	0.129	0.144	0.156	0.165	0.170	0.172	0.170	0.165	0.156	0.144	0.129	0.110	0.088	0.062	0.033	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.019	0.036	0.052	0.065	0.076	0.085	0.092	0.097	0.100	0.101	0.100	0.097	0.092	0.085	0.076	0.065	0.052	0.036	0.019	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	3/16"	5/16"	7/16"	9/16"	5/8"	11/16"	3/4"	13/16"	13/16"	7/8"	13/16"	13/16"	3/4"	11/16"	5/8"	9/16"	7/16"	5/16"	3/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN C																			
		GIRDER C5																			
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	0.033	0.063	0.089	0.111	0.131	0.146	0.158	0.167	0.172	0.174	0.172	0.167	0.158	0.146	0.131	0.111	0.089	0.063	0.033	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.021	0.040	0.056	0.071	0.083	0.093	0.101	0.106	0.109	0.111	0.109	0.106	0.101	0.093	0.083	0.071	0.056	0.040	0.021	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	1/8"	1/4"	3/8"	1/2"	9/16"	5/8"	11/16"	3/4"	3/4"	3/4"	3/4"	3/4"	11/16"	5/8"	9/16"	1/2"	3/8"	1/4"	1/8"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" DIA. LOW-RELAXATION		SPAN C																			
		GIRDER C6																			
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	0.033	0.063	0.090	0.113	0.132	0.148	0.160	0.169	0.174	0.176	0.174	0.169	0.160	0.148	0.132	0.113	0.090	0.063	0.033	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.024	0.045	0.064	0.081	0.095	0.106	0.115	0.121	0.125	0.126	0.125	0.121	0.115	0.106	0.095	0.081	0.064	0.045	0.024	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	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 C																			
		GIRDER C7																			
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	0.034	0.064	0.091	0.114	0.133	0.149	0.162	0.171	0.176	0.178	0.176	0.171	0.162	0.149	0.133	0.114	0.091	0.064	0.034	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.027	0.050	0.071	0.089	0.105	0.117	0.127	0.134	0.138	0.140	0.138	0.134	0.127	0.117	0.105	0.089	0.071	0.050	0.027	0.000
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	1/16"	3/16"	1/4"	5/16"	5/16"	3/8"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	3/8"	5/16"	5/16"	1/4"	3/16"	1/16"	0

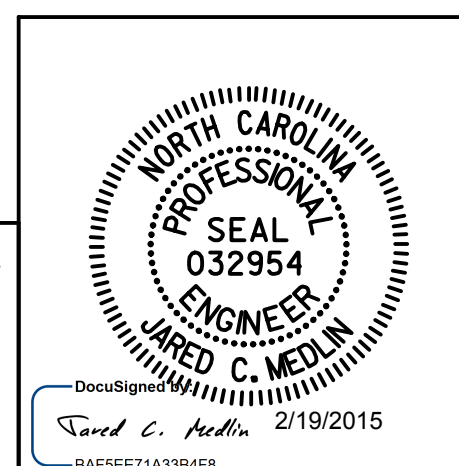
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" DIA. LOW-RELAXATION		SPAN C																				
		GIRDER C8																				
TWENTIETH POINTS	BRG.	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	BRG.	
CAMBER (GIRDER ALONE IN PLACE) ↑ (FT)	0.000	0.034	0.064	0.091	0.114	0.134	0.150	0.163	0.172	0.177	0.179	0.177	0.172	0.163	0.150	0.134	0.114	0.091	0.064	0.034	0.000	
* DEFLECTION DUE TO SUPERIMPOSED DL ↓ (FT)	0.000	0.027	0.051	0.073	0.091	0.107	0.120	0.130	0.137	0.141	0.143	0.141	0.137	0.130	0.120	0.107	0.091	0.073	0.051	0.027	0.000	
** FINAL CAMBER (OR DEFLECTION) ↑ (IN)	0	1/16"	1/8"	1/4"	1/4"	5/16"	3/8"	3/8"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	3/8"	3/8"	5/16"	1/4"	1/4"	1/8"	1/16"	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  
 SPAN C

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-32
1			3			SHEETS 78
2			4			



KCI ASSOCIATES OF NC, P.A.  
 9741 SOUTHERN PINE BLVD  
 SUITE J  
 CHARLOTTE, NC 28273  
 704-499-9452  
 NC LICENSE No. C-0764

DRAWN BY : D.J.DICK DATE : OCT. 2014  
 CHECKED BY : D.L.KEENER DATE : OCT. 2014

2/18/2015 Y:\0-rwings\2011 DWG\Structures\RFC\SH32\_U-5008\_SD.DLD-2.dgn