

DATE: 6/20/2019  
TIME: 6:03:56 PM

USER: \\p001\Users\Projects\60557176 - B-5980\900\_CAD\_GIS\900\_CAD\GIS\900\_CAD\JOE.MCDOT\_T\Structures\04 Drawings\400\_23\_515\_B5980\_SKU\_P004.dgn

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																							
0.6" DIA. LOW-RELAXATION		SPANS A																					
		GIRDERS 1 & 5																					
TENTH POINTS		BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	BRG.	
CAMBER (GIRDER ALONE IN PLACE)		↑	0.000	0.047	0.093	0.136	0.176	0.211	0.241	0.265	0.282	0.292	0.296	0.292	0.282	0.265	0.241	0.211	0.176	0.136	0.093	0.047	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL		↓	0.000	0.032	0.065	0.095	0.125	0.149	0.173	0.188	0.203	0.208	0.214	0.208	0.203	0.188	0.173	0.149	0.125	0.095	0.065	0.032	0.000
FINAL CAMBER		↑	0	3/16	5/16	1/2	5/8	3/4	13/16	15/16	15/16	1	1	1	15/16	15/16	13/16	3/4	5/8	1/2	5/16	3/16	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																							
0.6" DIA. LOW-RELAXATION		SPANS A																					
		GIRDERS 2 & 4																					
TENTH POINTS		BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	BRG.	
CAMBER (GIRDER ALONE IN PLACE)		↑	0.000	0.047	0.093	0.136	0.176	0.211	0.241	0.265	0.282	0.292	0.296	0.292	0.282	0.265	0.241	0.211	0.176	0.136	0.093	0.047	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL		↓	0.000	0.035	0.070	0.103	0.135	0.161	0.187	0.203	0.219	0.225	0.231	0.225	0.219	0.203	0.187	0.161	0.135	0.103	0.070	0.035	0.000
FINAL CAMBER		↑	0	1/8	1/4	3/8	1/2	5/8	5/8	3/4	3/4	13/16	13/16	13/16	3/4	3/4	5/8	5/8	1/2	3/8	1/4	1/8	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																							
0.6" DIA. LOW-RELAXATION		SPANS A																					
		GIRDER 3																					
TENTH POINTS		BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	BRG.	
CAMBER (GIRDER ALONE IN PLACE)		↑	0.000	0.047	0.093	0.136	0.176	0.211	0.241	0.265	0.282	0.292	0.296	0.292	0.282	0.265	0.241	0.211	0.176	0.136	0.093	0.047	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL		↓	0.000	0.036	0.071	0.105	0.138	0.164	0.191	0.207	0.224	0.230	0.235	0.230	0.224	0.207	0.191	0.164	0.138	0.105	0.071	0.036	0.000
FINAL CAMBER		↑	0	1/8	1/4	3/8	1/2	5/8	11/16	11/16	3/4	3/4	3/4	11/16	11/16	5/8	3/4	1/2	3/8	1/4	1/8	0	

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																							
0.6" DIA. LOW-RELAXATION		SPANS B																					
		GIRDERS 1 & 5																					
TENTH POINTS		BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	BRG.	
CAMBER (GIRDER ALONE IN PLACE)		↑	0.000	0.048	0.096	0.140	0.181	0.217	0.248	0.273	0.290	0.301	0.305	0.301	0.290	0.273	0.248	0.217	0.181	0.140	0.096	0.048	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL		↓	0.000	0.030	0.060	0.089	0.117	0.139	0.161	0.175	0.189	0.194	0.199	0.194	0.189	0.175	0.161	0.139	0.117	0.089	0.060	0.030	0.000
FINAL CAMBER		↑	0	1/4	1/6	5/8	3/4	15/16	1/16	13/16	13/16	15/16	15/16	13/16	13/16	1/16	15/16	3/4	5/8	7/16	1/4	0	

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																							
0.6" DIA. LOW-RELAXATION		SPANS B																					
		GIRDERS 2 & 4																					
TENTH POINTS		BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	BRG.	
CAMBER (GIRDER ALONE IN PLACE)		↑	0.000	0.048	0.096	0.140	0.181	0.217	0.248	0.273	0.290	0.301	0.305	0.301	0.290	0.273	0.248	0.217	0.181	0.140	0.096	0.048	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL		↓	0.000	0.033	0.065	0.096	0.126	0.150	0.174	0.189	0.204	0.210	0.215	0.210	0.204	0.189	0.174	0.150	0.126	0.096	0.065	0.033	0.000
FINAL CAMBER		↑	0	3/16	3/8	9/16	11/16	13/16	7/8	1	1	1 1/8	1 1/8	1 1/8	1	1	7/8	13/16	11/16	9/16	3/8	3/16	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																							
0.6" DIA. LOW-RELAXATION		SPANS B																					
		GIRDER 3																					
TENTH POINTS		BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	BRG.	
CAMBER (GIRDER ALONE IN PLACE)		↑	0.000	0.048	0.096	0.140	0.181	0.217	0.248	0.273	0.290	0.301	0.305	0.301	0.290	0.273	0.248	0.217	0.181	0.140	0.096	0.048	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL		↓	0.000	0.033	0.066	0.098	0.129	0.153	0.178	0.193	0.209	0.214	0.219	0.214	0.209	0.193	0.178	0.153	0.129	0.098	0.066	0.033	0.000
FINAL CAMBER		↑	0	3/16	3/8	1/2	5/8	3/4	13/16	15/16	1	1 1/16	1 1/16	1 1/16	1	15/16	13/16	3/4	5/8	1/2	3/8	3/16	0

\* INCLUDES FUTURE WEARING SURFACE IN SUPERIMPOSED DEAD LOAD.  
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

PROJECT NO. B-5980  
NASH COUNTY  
STATION: 42+56.82 -Y1-

SHEET 4 OF 5

ASSEMBLED BY : D. RITACCO	DATE : 4/2019
CHECKED BY : C. MORRISON	DATE : 4/2019
DRAWN BY : ELR 11/91	REV. 1/15 MAA/TMG
CHECKED BY : GRP 11/91	REV. 2/15 MAA/TMG
	REV. 12/17 MAA/THC

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUPERSTRUCTURE  
CAMBER & DEFLECTION  
TABLES FOR  
SPANS A & B

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-15
1			3			TOTAL SHEETS
2			4			33