

DECK POUR SEQUENCING DEAD LOAD DEFLECTION TABLE FOR GIRDER 1

THIRTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
DEFLECTION DUE TO DECK POUR #1 *	0.000	-0.006	-0.010	-0.010	-0.004	0.004	0.049	0.096	0.141	0.192	0.241	0.285	0.323	0.352	0.373	0.382	0.381	0.368	0.345	0.312	0.272	0.227	0.178	0.128	0.079	0.037	0.001	-0.008	-0.012	-0.010	0.000
DEFLECTION DUE TO DECK POUR #2 *	0.000	-0.006	-0.010	-0.010	-0.004	0.004	0.049	0.095	0.140	0.191	0.239	0.283	0.320	0.349	0.369	0.378	0.377	0.364	0.340	0.308	0.269	0.223	0.175	0.125	0.077	0.036	0.001	-0.005	-0.008	-0.007	0.000
DEFLECTION DUE TO DECK POUR #3	0.000	-0.020	-0.030	-0.031	-0.016	0.007	0.101	0.201	0.306	0.418	0.525	0.623	0.707	0.772	0.818	0.840	0.839	0.810	0.760	0.689	0.602	0.502	0.394	0.283	0.176	0.082	0.002	-0.018	-0.025	-0.021	0.000
DEFLECTION DUE TO REMOVAL OF TEMPORARY BENTS **	0.000	1.200	2.384	3.554	4.697	5.807	6.852	7.845	8.747	9.557	10.269	10.873	11.361	11.726	11.963	12.068	12.039	11.854	11.537	11.091	10.521	9.835	9.041	8.148	7.167	6.102	4.970	3.786	2.557	1.303	0.000

DECK POUR SEQUENCING DEAD LOAD DEFLECTION TABLE FOR GIRDER 2

THIRTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
DEFLECTION DUE TO DECK POUR #1 *	0.000	-0.004	-0.006	-0.006	-0.001	0.004	0.048	0.093	0.135	0.182	0.228	0.268	0.302	0.329	0.346	0.355	0.354	0.343	0.323	0.295	0.258	0.216	0.170	0.123	0.079	0.037	0.001	-0.006	-0.009	-0.008	0.000
DEFLECTION DUE TO DECK POUR #2 *	0.000	-0.004	-0.006	-0.006	-0.001	0.004	0.048	0.092	0.135	0.181	0.226	0.266	0.300	0.327	0.344	0.353	0.352	0.341	0.321	0.293	0.256	0.214	0.169	0.122	0.079	0.038	0.002	-0.002	-0.004	-0.004	0.000
DEFLECTION DUE TO DECK POUR #3	0.000	-0.016	-0.024	-0.025	-0.011	0.007	0.099	0.195	0.294	0.399	0.500	0.590	0.667	0.727	0.767	0.787	0.785	0.762	0.718	0.656	0.575	0.482	0.380	0.275	0.175	0.082	0.003	-0.012	-0.020	-0.017	0.000
DEFLECTION DUE TO REMOVAL OF TEMPORARY BENTS **	0.000	1.044	2.064	3.064	4.033	4.968	5.841	6.666	7.404	8.075	8.660	9.140	9.523	9.797	9.964	10.019	9.961	9.793	9.513	9.130	8.631	8.039	7.358	6.601	5.790	4.906	3.978	3.017	2.031	1.032	0.000

DECK POUR SEQUENCING DEAD LOAD DEFLECTION TABLE FOR GIRDER 3

THIRTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
DEFLECTION DUE TO DECK POUR #1 *	0.000	-0.002	-0.003	-0.003	0.001	0.004	0.041	0.076	0.108	0.145	0.180	0.212	0.239	0.260	0.273	0.280	0.278	0.270	0.254	0.231	0.203	0.170	0.135	0.098	0.061	0.030	0.002	-0.004	-0.007	-0.006	0.000
DEFLECTION DUE TO DECK POUR #2 *	0.000	-0.002	-0.003	-0.003	0.001	0.004	0.041	0.076	0.108	0.145	0.180	0.212	0.239	0.259	0.273	0.279	0.278	0.269	0.253	0.231	0.203	0.170	0.135	0.098	0.063	0.032	0.003	0.000	-0.002	-0.002	0.000
DEFLECTION DUE TO DECK POUR #3	0.000	-0.014	-0.022	-0.022	-0.010	0.008	0.095	0.181	0.270	0.365	0.455	0.538	0.608	0.662	0.697	0.715	0.712	0.690	0.649	0.591	0.519	0.436	0.344	0.250	0.158	0.076	0.005	-0.010	-0.017	-0.015	0.000
DEFLECTION DUE TO REMOVAL OF TEMPORARY BENTS **	0.000	0.889	1.753	2.593	3.402	4.175	4.897	5.579	6.178	6.723	7.194	7.588	7.893	8.107	8.224	8.252	8.186	8.029	7.783	7.452	7.039	6.550	5.992	5.374	4.701	3.981	3.227	2.446	1.647	0.837	0.000

\* THE DEFLECTIONS CAUSED BY THE EXPANSION JOINT CLOSURE POUR (POUR #4), ARE INCLUDED IN THE VALUES SHOWN FOR POURS #1 & #2.

\*\* TEMPORARY BENTS ARE NOT TO BE REMOVED UNTIL ALL DECK CONCRETE HAS REACHED THE SPECIFIED 28-DAY COMPRESSIVE STRENGTH. THIS VALUE DOES NOT ACCOUNT FOR ANY ADDITIONAL DEFLECTION CAUSED BY COMPOSITE DEAD LOAD.

NOTES:

ALL DECK POURS INCLUDE THE WEIGHT OF GIRDERS, ALL OTHER STRUCTURAL STEEL COMPONENTS, SAND-LIGHTWEIGHT CONCRETE SLAB, BUILD-UP, STAY-IN-PLACE METAL FORMS, AND ADDITIONAL UNIFORM CONSTRUCTION LOAD (10 PSF).

THIRTIETH POINTS SHOWN ARE MEASURED ALONG C GIRDER AND ARE GIVEN BETWEEN C BEARINGS.

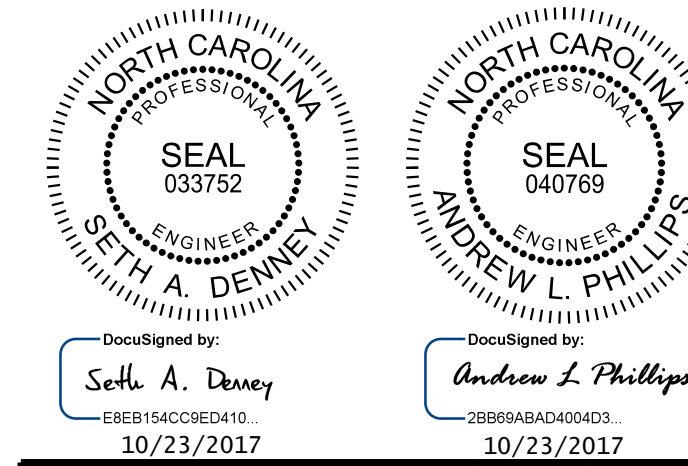
ALL VALUES ARE SHOWN IN INCHES.

FOR POUR SEQUENCE, SEE "SUPERSTRUCTURE BILL OF MATERIALS" SHEET 2 OF 2.

FOR ADDITIONAL INFORMATION REGARDING GIRDER ERECTION AND CONSTRUCTION SEQUENCING, SEE "GIRDER ERECTION DETAILS" SHEETS.

PROJECT NO. U-5806  
CABARRUS COUNTY  
 STATION: 15+75.56 -Y1-  
27+06.95 -L-

SHEET 1 OF 2



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUPERSTRUCTURE  
 DEAD LOAD DEFLECTIONS  
 DUE TO SLAB POURS

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.

S-9

TOTAL SHEETS

50

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

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This document, together with the concepts and designs presented herein, is an integral part of the contract. It is not to be used for any other purpose without written authorization and approval by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

10/23/2017 K:\B01-Structures\Bridges\NC\01036388 - U-5806 Final Design\Cad\Drawn\009\_U-5806\_CS-DL01.dgn

DRAWN BY: D. D. LOWERY DATE: 10/17  
 CHECKED BY: A. L. PHILLIPS DATE: 10/17  
 DESIGN ENGINEER OF RECORD: S. A. DENNEY DATE: 10/17