

GIRDER DETAIL SCHEDULE FOR SPAN NO. 1																									
GIRDER	GIRDER GEOMETRY						LOCATION A	PL. "a" THK. IN.	PL. "b" WIDTH IN.	BEARING STIFFENERS LOCATION	PL. "a" THK. IN.	PL. "b" WIDTH IN.	SHEAR CONNECTOR LOCATION	DIA. "f" IN.	NUMBER OF SPACES	SPACING IN.	STUDS/ROW "e"	TRANS. SPACING "d" IN.	SHEAR CONNECTOR LOCATION	DIA. "f" IN.	NUMBER OF SPACES	SPACING IN.	STUDS/ROW "e"	TRANS. SPACING "d" IN.	
	A	B	C	D	E	F																			
1-5	44'-8"			44'-8"																					
	TOP FLANGE A						A	3/4	12	H	3/4	8	M	7/8	21	10	3	3 1/2	R	-	-	-	-	-	-
	WEB A+B+C							5/8	32	K	3/4	8	N	-	-	-	-	-	S	7/8	21	10	3	3 1/2	
BOTTOM FLANGE D							1	12	-	-	-	P	7/8	9	6	3	3 1/2	-	-	-	-	-	-	-	-

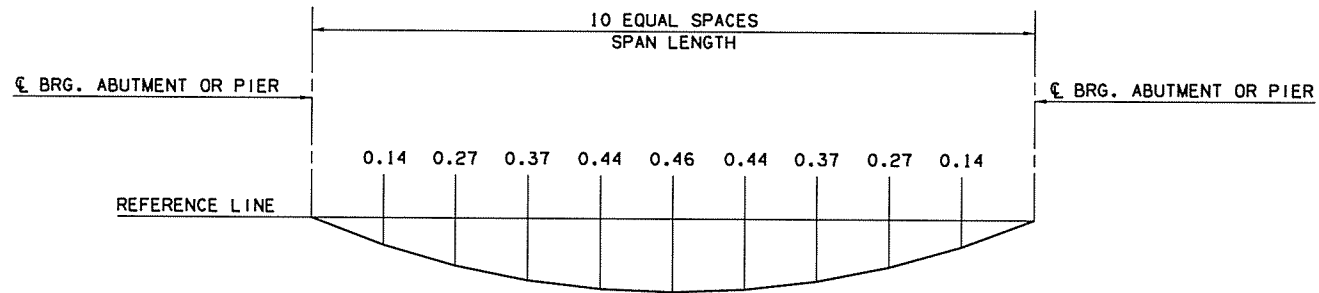
  

GIRDER DETAIL SCHEDULE FOR SPAN NO. 2																									
GIRDER	GIRDER GEOMETRY						LOCATION A	PL. "a" THK. IN.	PL. "b" WIDTH IN.	BEARING STIFFENERS LOCATION	PL. "a" THK. IN.	PL. "b" WIDTH IN.	SHEAR CONNECTOR LOCATION	DIA. "f" IN.	NUMBER OF SPACES	SPACING IN.	STUDS/ROW "e"	TRANS. SPACING "d" IN.	SHEAR CONNECTOR LOCATION	DIA. "f" IN.	NUMBER OF SPACES	SPACING IN.	STUDS/ROW "e"	TRANS. SPACING "d" IN.	
	A	B	C	D	E	F																			
1-5	54'-8"			54'-8"																					
	TOP FLANGE A						A	3/4	14	H	3/4	8	M	7/8	22	10	3	3 1/2	R	7/8	1	11	3	3 1/2	
	WEB A+B+C							5/8	32	K	3/4	8	N	7/8	1	11	3	3 1/2	S	7/8	22	10	3	3 1/2	
BOTTOM FLANGE D							1	14	-	-	-	P	7/8	7	12	3	3 1/2	-	-	-	-	-	-	-	-

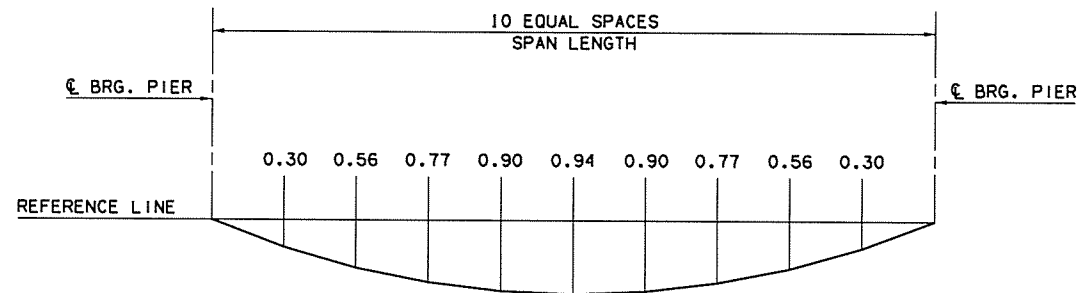
  

GIRDER DETAIL SCHEDULE FOR SPAN NO. 3																									
GIRDER	GIRDER GEOMETRY						LOCATION A	PL. "a" THK. IN.	PL. "b" WIDTH IN.	BEARING STIFFENERS LOCATION	PL. "a" THK. IN.	PL. "b" WIDTH IN.	SHEAR CONNECTOR LOCATION	DIA. "f" IN.	NUMBER OF SPACES	SPACING IN.	STUDS/ROW "e"	TRANS. SPACING "d" IN.	SHEAR CONNECTOR LOCATION	DIA. "f" IN.	NUMBER OF SPACES	SPACING IN.	STUDS/ROW "e"	TRANS. SPACING "d" IN.	
	A	B	C	D	E	F																			
1-5	44'-8"			44'-8"																					
	TOP FLANGE A						A	3/4	12	H	3/4	8	M	7/8	21	10	3	3 1/2	R	-	-	-	-	-	
	WEB A+B+C							5/8	32	K	3/4	8	N	-	-	-	-	-	S	7/8	21	10	3	3 1/2	
BOTTOM FLANGE D							1	12	-	-	-	P	7/8	9	6	3	3 1/2	-	-	-	-	-	-	-	-

ORDINATES	Tenth Pt.	-	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	-
SPANS 1,3	Average Steel	0.00	0.02	0.04	0.06	0.07	0.07	0.07	0.06	0.04	0.02	0.00
	Average Concrete	0.00	0.12	0.23	0.32	0.37	0.39	0.37	0.32	0.23	0.12	0.00
	Average Total	0.00	0.14	0.27	0.37	0.44	0.46	0.44	0.37	0.27	0.14	0.00



ORDINATES	Tenth Pt.	-	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	-
SPAN 2	Average Steel	0.00	0.05	0.09	0.12	0.14	0.15	0.14	0.12	0.09	0.05	0.00
	Average Concrete	0.00	0.25	0.47	0.64	0.75	0.79	0.75	0.64	0.47	0.25	0.00
	Average Total	0.00	0.30	0.56	0.77	0.90	0.94	0.90	0.77	0.56	0.30	0.00



**DEAD LOAD DEFLECTION DIAGRAMS**  
SCALE: NONE

**NOTES:**

1. DEFLECTION IS IN INCHES.
2. POSITIVE VALUE INDICATES DEFLECTION IS DOWNWARD.
3. CONCRETE LOAD INCLUDES SLAB AND PARAPETS.

Design	STF	6/16	US 169 OVER OPOSSUM CREEK OVER FLOW NOWATA COUNTY BRIDGE B <b>SUPERSTRUCTURE DETAILS</b> (SHEET 4 OF 4) Job Piece No. 27092(04) Sheet No. 82
Drawn	WZB	6/16	
Checked	DAS	6/16	
Approved	SAK	6/16	
Squad	BENHAM		