

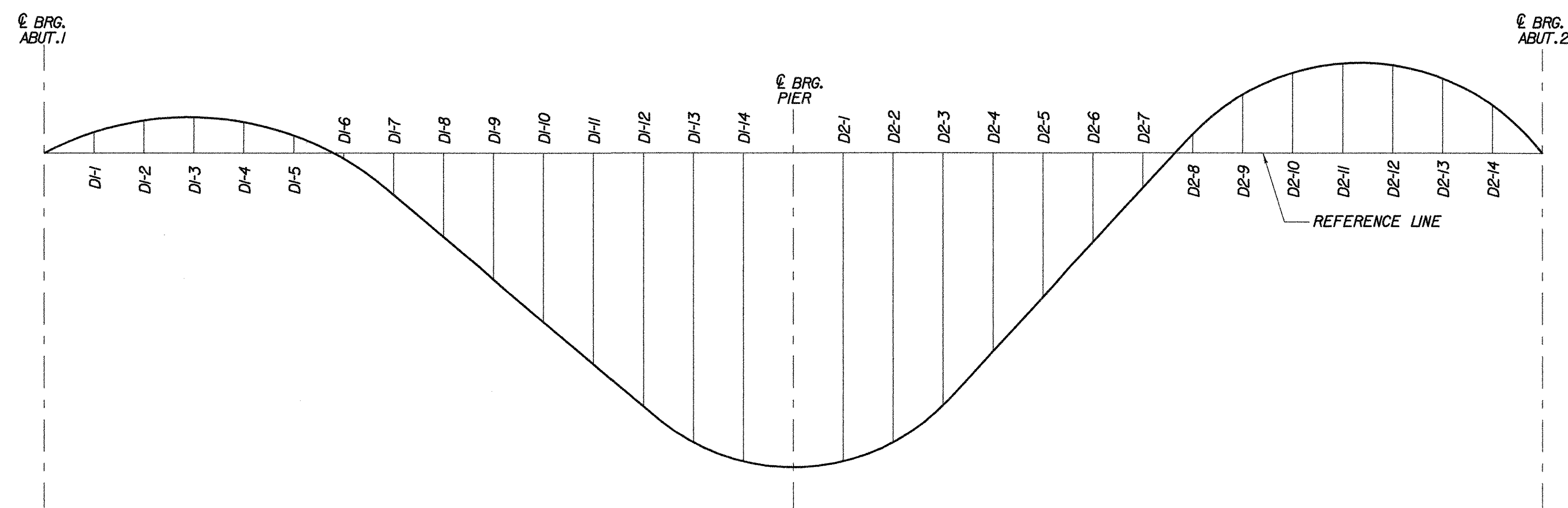
**DEAD LOAD DEFLECTION DIAGRAM**

NOT TO SCALE

**NOTES:**

1. DEAD LOAD DEFLECTIONS AS SHOWN INCLUDE STEEL DEAD LOAD, CONCRETE DEAD LOAD, AND SUPERIMPOSED DEAD LOAD.
2. THE TOTAL CAMBER IS THE SUM OF THE SAG VERTICAL CURVE, STEEL DEAD LOAD, CONCRETE DEAD LOAD, AND SUPERIMPOSED DEAD LOAD.
3. RESIDUAL CAMBER NOT INCLUDED IN TOTAL CALCULATED CAMBER DUE TO THE SAG VERTICAL CURVE GEOMETRY OF THE FINISHED ROADWAY GRADE.
4. ALL DEFLECTION AND CAMBER OFFSETS ARE MEASURED VERTICALLY FROM THE TOP OF THE WEB TO A STRAIGHT REFERENCE LINE DRAWN FROM THE INTERSECTION OF THE TOP OF THE WEB AND CENTERLINE OF BEARINGS AT ABUTMENT #1 TO THE CORRESPONDING INTERSECTION AT ABUTMENT #2.
5. CAMBER AND DEFLECTION MEASUREMENTS ARE GIVEN AT THE DIAPHRAGM LOCATIONS. FOR DIAPHRAGM SPACING, SEE FRAMING PLAN (1 OF 2), BRIDGE SHEET BR516.

DL DEFLECTION (mm)																															
LOCATION	ABUT. 1	DI-1	DI-2	DI-3	DI-4	DI-5	DI-6	DI-7	DI-8	DI-9	DI-10	DI-11	DI-12	DI-13	DI-14	PIER	D2-1	D2-2	D2-3	D2-4	D2-5	D2-6	D2-7	D2-8	D2-9	D2-10	D2-11	D2-12	D2-13	D2-14	ABUT. 2
G1	0	32	66	95	118	132	140	137	129	112	91	69	44	22	7	0	7	21	44	69	91	112	129	137	140	132	118	95	66	32	0
G2	0	35	69	102	126	140	148	147	137	119	97	72	45	23	7	0	7	22	45	72	97	119	137	147	148	140	126	102	70	35	0
G3	0	37	74	108	132	149	156	155	144	125	102	75	47	23	7	0	7	23	47	75	101	125	144	155	156	149	132	108	74	37	0
G4	0	37	78	113	141	158	166	164	153	133	107	80	50	24	7	0	7	24	50	80	107	133	153	164	166	158	141	114	78	39	0
G5	0	40	83	120	149	167	176	173	161	140	113	83	53	26	9	0	7	26	53	83	112	140	160	172	176	167	149	120	83	41	0
G6	0	44	89	128	158	178	186	183	170	148	119	88	56	27	9	0	8	26	56	88	119	148	170	183	186	178	158	128	89	44	0



**CAMBER DIAGRAM**

NOT TO SCALE

TOTAL CAMBER (mm)																															
LOCATION	ABUT. 1	DI-1	DI-2	DI-3	DI-4	DI-5	DI-6	DI-7	DI-8	DI-9	DI-10	DI-11	DI-12	DI-13	DI-14	PIER	D2-1	D2-2	D2-3	D2-4	D2-5	D2-6	D2-7	D2-8	D2-9	D2-10	D2-11	D2-12	D2-13	D2-14	ABUT. 2
G1	0	-2	-6	-11	-19	-33	-51	-76	-104	-137	-172	-204	-237	-264	-281	-286	-275	-254	-221	-183	-145	-106	-67	-34	-6	11	21	23	19	10	0
G2	0	1	-3	-4	-11	-25	-43	-66	-96	-130	-166	-201	-236	-263	-281	-286	-275	-253	-220	-180	-139	-99	-59	-24	2	19	29	30	23	13	0
G3	0	3	2	2	-5	-16	-35	-58	-89	-124	-161	-198	-234	-263	-281	-286	-275	-252	-218	-177	-135	-93	-52	-16	10	28	35	36	27	15	0
G4	0	3	6	7	4	-7	-25	-49	-80	-116	-156	-193	-231	-262	-281	-286	-275	-251	-215	-172	-129	-85	-43	-7	20	37	44	42	31	17	0
G5	0	6	11	14	12	2	-15	-40	-72	-109	-150	-190	-228	-260	-279	-286	-275	-249	-212	-169	-124	-78	-36	1	30	46	52	48	36	19	0
G6	0	10	17	22	21	13	-5	-30	-63	-101	-144	-185	-225	-259	-279	-286	-274	-249	-209	-164	-117	-70	-26	12	40	57	61	56	42	22	0

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	BI2
Highway No.	VT RTE 279	Log Sta.	
		Surv. Sta.	
VT ROUTE 279 OVER FURNACE BROOK			

**GIRDER TABLES**

Designed By	J.J. MANUSE	Drawn By	D.J. HENDERSON
Checked By	Date	Bridge Design Supervisor	
B.J. CARLSON	04/07	K.M. WOJTKOWSKI Date 04/07	
PROJECT	BENNINGTON	PROJECT NO. AC NH FOI9-(153)	
TVGA CAD Drawing No.	FBGrd2.dgn	Date 04/10/2007	
Bridge Sheet No.	BR519	Sheet 211 of 577	