

RAISED FIN. GRADE OF WINGS

BRIDGE 51N AND 51S
ARE NOT PART OF THIS PROJECT

WINGWALL AND BRUSH CURB ELEVATIONS																				
BRIDGE	LOCATION	SIDE OF BRIDGE	DIM. "X" (SEE NOTE 2)	ELEVATION			BRIDGE	LOCATION	SIDE OF BRIDGE	DIM. "X" (SEE NOTE 2)	ELEVATION			BRIDGE	LOCATION	SIDE OF BRIDGE	DIM. "X" (SEE NOTE 2)	ELEVATION		
				W1	W2	W3					W1	W2	W3					W1	W2	W3
43N	ABUT. 1 (FIXED)	LEFT	9' - 11"	544.28	543.98	541.81	49N $\frac{1}{2}$ "	ABUT. 1 (FIXED)	LEFT	14' - 1"	453.94	454.01	451.85	51N	ABUT. 1 (FIXED)	LEFT	9' - 5"	364.05	364.77	362.60
		RIGHT	13' - 3"	543.30	543.02	540.85			RIGHT	14' - 2"	453.81	453.88	451.72			RIGHT	9' - 5"	365.30	365.44	363.27
	ABUT. 2 (EXP.)	LEFT	13' - 3"	538.58	538.80	536.22		ABUT. 2 (EXP.)	LEFT	13' - 10"	454.64	454.67	451.74		ABUT. 2 (EXP.)	LEFT	12' - 0"	368.99	368.93	366.22
		RIGHT	10' - 3"	537.61	537.82	535.34			RIGHT	13' - 10"	454.52	454.45	451.82			RIGHT	14' - 4"	369.47	369.41	366.67
43S	ABUT. 1 (EXP.)	LEFT	10' - 0"	545.84	545.75	543.08	49S $\frac{5}{8}$ "	ABUT. 1 (FIXED)	LEFT	13' - 11"	453.69	453.77	451.60	51S	ABUT. 1 (FIXED)	LEFT	9' - 5"	364.42	364.56	362.39
		RIGHT	13' - 1"	545.31	545.12	542.46			RIGHT	13' - 10"	453.82	453.90	451.73			RIGHT	9' - 5"	365.09	365.23	363.06
	ABUT. 2 (FIXED)	LEFT	13' - 4"	540.66	540.94	538.77		ABUT. 2 (EXP.)	LEFT	13' - 11"	454.51	454.43	451.60		ABUT. 2 (EXP.)	LEFT	10' - 4"	369.02	369.02	366.22
		RIGHT	10' - 6"	539.67	540.00	537.83			RIGHT	14' - 1"	454.64	454.58	451.73			RIGHT	18' - 7"	369.49	369.41	366.67
46N	ABUT. 1 (FIXED)	LEFT	14' - 8"	449.44	449.50	447.34	50N $\frac{1}{4}$ "	ABUT. 1 (FIXED)	LEFT	11' - 8"	475.25	475.53	473.38		ABUT. 1 (FIXED)	LEFT	9' - 5"	364.42	364.56	362.39
		RIGHT	13' - 11"	450.70	450.77	448.61			RIGHT	13' - 10"	476.90	477.14	474.97			RIGHT	9' - 5"	365.09	365.23	363.06
	ABUT. 2 (EXP.)	LEFT	18' - 8"	451.23	451.13	448.46		ABUT. 2 (EXP.)	LEFT	13' - 6"	481.40	481.17	478.50		ABUT. 2 (EXP.)	LEFT	10' - 4"	369.02	369.02	366.22
		RIGHT	19' - 9"	452.47	452.38	449.62			RIGHT	20' - 6"	483.35	482.72	479.95			RIGHT	18' - 7"	369.49	369.41	366.67
46S	ABUT. 1 (EXP.)	LEFT	13' - 4"	449.66	449.71	447.05	50S $\frac{1}{2}$ "	ABUT. 1 (EXP.)	LEFT	11' - 8"	466.39	466.75	464.18		ABUT. 1 (EXP.)	LEFT	9' - 5"	364.42	364.56	362.39
		RIGHT	12' - 6"	450.82	450.88	448.24			RIGHT	13' - 10"	466.29	466.69	465.91			RIGHT	9' - 5"	365.09	365.23	363.06
	ABUT. 2 (FIXED)	LEFT	18' - 9"	451.37	451.28	448.11		ABUT. 2 (FIXED)	LEFT	13' - 3"	473.80	473.52	471.35		ABUT. 2 (EXP.)	LEFT	10' - 4"	369.02	369.02	366.22
		RIGHT	19' - 9"	452.83	452.54	450.37			RIGHT	11' - 3"	475.54	475.29	473.12			RIGHT	18' - 7"	369.49	369.41	366.67

RAISED FIN. GRADE OF WINGS
 $\frac{1}{4}$ "

RAISED FIN. GRADE OF WINGS
 $\frac{3}{8}$ "

RAISED FIN. GRADE OF WINGS
 $\frac{5}{4}$ "

RAISED FIN. GRADE OF WINGS
 $\frac{3}{4}$ "

RAISED FIN. GRADE OF WINGS

NOTES:

- FOR LOCATIONS OF W1, W2, W3, AND DIMENSION "X", SEE TYPICAL WINGWALL DETAILS (1 OF 2), BRIDGE SHEET C-43.
- DIMENSION "X" IS APPROXIMATE, BASED ON FIELD SURVEY INFORMATION. NEW WINGWALL TO MATCH END OF EXISTING WINGWALL.
- REFERENCE TO "LEFT" AND "RIGHT" IS BASED ON THE DIRECTION OF STATIONING, NOT THE DIRECTION OF TRAFFIC.

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	MIDDLESEX-BOLTON	Bridge No.	
Highway No.	I-89	Log Sta.	
		Surv. Sta.	

TYPICAL WINGWALL DETAILS (2 OF 2)

Designed By	P.W. SZUSTAK	Drawn By	R.A. BOTZENHART
Checked By	J.P. HALSTEAD	Bridge Design Supervisor	J.P. HALSTEAD
Date	10/99	Date	10/99

PROJECT	MIDDLESEX-BOLTON	PROJECT NO.	IM-089-2(26)
TVGA CAD Drawing No.	wwdetail	Date	10/99