

BRIDGE NUMBER	BRIDGE DATA										SCOPE OF WORK									
	SUBSTRUCTURE ELEMENTS			SPAN NUMBER	PROPOSED LENGTH @ CL CONSTRUCTION	EXISTING STEEL BEAMS CONFIGURATION	EXISTING STEEL BEAMS APPROXIMATE WEIGHT (T)		EXISTING UNDERGROUND UTILITIES	PROPOSED DECK TREATMENT	PROPOSED JOINT	PROPOSED STEEL STRINGERS		PROPOSED BEARING TREATMENT	PROPOSED SUBSTRUCTURE TREATMENT	PROPOSED MIN. VERT. CLEARANCE OVER ROADWAY				
	PROPOSED	ORIGINAL	APPROX. SKEW				TO BE REMOVED	TO REMAIN				TREATMENT	APPROX. WT.							
43N	ABUTMENT 1	EAST ABUTMENT	45° AHEAD RT.	1	52.95'	33WF130 W/ COVER PL. (INTERIOR) 36WF150 (FASCIA)	84.1 TONS		TEL.	NEW 8 1/2" CONCRETE DECK W/ 2 1/2" WEARING SURFACE AND NEW APPROACH SLABS	FIXED TYPE C	NEW 30" WF CONTINUOUS ROLLED BEAMS AASHTO M270 GR 50W	66.5 TONS	NEW ELASTOMERIC FIXED	SEE NOTE 3	14'-11"				
	PIER 1	PIER 1	45° AHEAD RT.	2	74.14'	36WF170 W/ COVER PL.														
	PIER 2	PIER 2	45° AHEAD RT.	3	42.71'	33WF130 (INTERIOR) 36WF150 (FASCIA)														
43S	ABUTMENT 2	WEST ABUTMENT	45° AHEAD RT.	1	73.12'	36WF170 W/ COVER PL.	123.7 TONS		TEL.	DO.	EXP. TYPE H	NEW 33" WF CONTINUOUS ROLLED BEAMS AASHTO M270 GR 50W	85.5 TONS	NEW ELASTOMERIC EXP.	SEE NOTE 2	14'-4"				
	ABUTMENT 1	EAST ABUTMENT	45° AHEAD RT.	2	84.10'	36WF245 W/ COVER PL.														
	PIER 1	PIER 1	45° AHEAD RT.	3	42.75'	33WF130 (INTERIOR) 36WF150 (FASCIA)														
48N	ABUTMENT 2	WEST ABUTMENT	45° AHEAD RT.	1	98.13'	36WF300 W/ COVER PL'S.	282.4 TONS			DO.	FIXED TYPE C	NEW 32 3/4" WEB CONTINUOUS PLATE GIRDERS AASHTO M270 GR 50W	163.9 TONS	NEW ELASTOMERIC EXP.	LCR	NOT APPLICABLE				
	ABUTMENT 1	ABUTMENT 2	25° AHEAD LT.	2	99.07'	36WF300 W/ COVER PL'S.														
	PIER 1	PIER B	25° AHEAD LT.	3	98.04'	36WF300 W/ COVER PL'S.														
48S	ABUTMENT 2	ABUTMENT 4	25° AHEAD LT.	1	98.51'	36WF300 W/ COVER PL'S.	283.5 TONS			DO.	FINGER JOINT	NEW 32 3/4" WEB CONTINUOUS PLATE GIRDERS AASHTO M270 GR 50W	164.3 TONS	NEW ELASTOMERIC EXP.	LCR	NOT APPLICABLE				
	ABUTMENT 1	ABUTMENT 1	25° AHEAD LT.	2	99.42'	36WF300 W/ COVER PL'S.														
	PIER 1	PIER A	25° AHEAD LT.	3	98.36'	36WF300 W/ COVER PL'S.														
49N	ABUTMENT 2	ABUTMENT 4	0°	1	96.88'	36WF300 W/ COVER PL'S.	131.6 TONS		TEL.	DO.	FIXED TYPE C	N/A	N/A	NEW ELASTOMERIC EXP.	SEE NOTE 2	16'-2"				
	ABUTMENT 1	ABUTMENT 2	0°	2	96.98'	36WF300 W/ COVER PL'S.														
	PIER 1	PIER C	0°	3	98.36'	36WF300 W/ COVER PL'S.														
49S	ABUTMENT 2	ABUTMENT 3	0°	1	66.33'	36WF150 W/ COVER PL.	148.1 TONS		TEL.	DO.	FIXED TYPE C	NEW 30 3/4" WEB CONTINUOUS PLATE GIRDERS AASHTO M270 GR 50W	109.9 TONS	NEW ELASTOMERIC EXP.	NPC/LCR	18'-5"				
	ABUTMENT 1	ABUTMENT 2	45° AHEAD RT.	2	96.50'	36WF300 W/ COVER PL.														
	PIER 1	PIER B	45° AHEAD RT.	3	69.80'	36WF150 W/ COVER PL.														
50N	ABUTMENT 2	ABUTMENT 4	45° AHEAD RT.	1	65.36'	36WF150 W/ COVER PL.	139.6 TONS		TEL.	DO.	EXP. TYPE H	NEW 30 3/4" WEB CONTINUOUS PLATE GIRDERS AASHTO M270 GR 50W	100.7 TONS	NEW ELASTOMERIC EXP.	NPC/LCR	16'-3"				
	ABUTMENT 1	ABUTMENT 1	45° AHEAD RT.	2	90.50'	36WF300 W/ COVER PL.														
	PIER 1	PIER A	45° AHEAD RT.	3	63.50'	36WF150 W/ COVER PL.														
50S	ABUTMENT 2	ABUTMENT 2	45° AHEAD RT.	1	38.15'	30WF108 (INTERIOR) 36WF150 (FASCIA)	274.8 TONS			DO.	FIXED TYPE C	NEW 30" WF ROLLED BEAMS AASHTO M270 GR 50W (SPAN D)	182.1 TONS	NEW ELAST. EXP./NEW ELAST. EXP.	NPC / LCR / FWPC	14'-9"				
	ABUTMENT 1	ABUTMENT 2	0°	2	88.95'	36WF300 W/ COVER PL.														
	PIER 1	PIER C	0°	3	84.35'	36WF300 W/ COVER PL. 36WF300 W/ COVER PL. 36WF194 W/ COVER PL.														
51N	ABUTMENT 2	ABUTMENT 4	45° AHEAD LT.	1	98.71'	36WF300 W/ COVER PL'S.	339.9 TONS		CABLE TV	DO.	EXP. TYPE H	NEW 33" WEB CONTINUOUS PLATE GIRDERS AASHTO M270 GR 50W (SPANS 2-5)	213.3 TONS	NEW ELASTOMERIC EXP.	LCR / FWPC (SEE NOTE 5)	16'-4"				
	ABUTMENT 1	ABUTMENT 1	0°	2	88.89'	36WF300 W/ COVER PL.														
	PIER 1	PIER A	0°	3	87.46'	36WF300 W/ COVER PL.														
51S	ABUTMENT 2	ABUTMENT 4	45° AHEAD LT.	1	83.82'	36WF300 W/ COVER PL. 36WF300 W/ COVER PL. 36WF194 W/ COVER PL.	339.9 TONS		TEL./WATER	DO.	FIXED TYPE C	NEW 30" WF ROLLED BEAMS AASHTO M270 GR 50W (SPAN D)	213.3 TONS	NEW ELAST. EXP./NEW ELAST. EXP.	NPC / LCR / FWPC	16'-4"				
	ABUTMENT 1	ABUTMENT 1	0°	2	88.89'	36WF300 W/ COVER PL.														
	PIER 1	PIER A	0°	3	87.46'	36WF300 W/ COVER PL.														
51S	ABUTMENT 2	ABUTMENT 4	45° AHEAD LT.	1	98.18'	36WF300 W/ COVER PL'S.	339.9 TONS		CABLE TV	DO.	EXP. TYPE H	NEW 33" WEB CONTINUOUS PLATE GIRDERS AASHTO M270 GR 50W (SPANS 2-6)	213.3 TONS	NEW ELASTOMERIC EXP.	LCR / FWPC (SEE NOTE 5)	16'-4"				
	ABUTMENT 1	ABUTMENT 1	0°	2	88.89'	36WF300 W/ COVER PL.														
	PIER 1	PIER A	0°	3	87.46'	36WF300 W/ COVER PL.														
51S	ABUTMENT 2	ABUTMENT 3	45° AHEAD LT.	1	52.86'	33WF130 W/ COVER PL. (INTERIOR) 36WF150 (FASCIA)	339.9 TONS		TEL./WATER	DO.	EXP. TYPE H	NEW 30" WF ROLLED BEAMS AASHTO M270 GR 50W (SPAN D)	213.3 TONS	NEW ELASTOMERIC EXP.	SEE NOTE 2	16'-4"				
	ABUTMENT 1	ABUTMENT 1	0°	2	88.89'	36WF300 W/ COVER PL.														
	PIER 1	PIER A	0°	3	87.46'	36WF300 W/ COVER PL.														
TOTALS											1680 TONS	270 TONS			1100 TONS					

- ### SEQUENCE OF OPERATIONS:
- PHASE I (FIRST CONSTRUCTION SEASON):**
- CONSTRUCT SOUTHBOUND CROSSOVERS AS SHOWN IN TRAFFIC CONTROL PLANS.
 - SHIFT I-89 SOUTHBOUND TRAFFIC TO I-89 NORTHBOUND SIDE.
 - REHABILITATE BRIDGES 43S, 48S, 49S, 50S, 51S.
 - SHIFT I-89 SOUTHBOUND TRAFFIC BACK TO I-89 SOUTHBOUND SIDE.
- PHASE II (SECOND CONSTRUCTION SEASON):**
- CONSTRUCT NORTHBOUND CROSSOVERS AS SHOWN IN TRAFFIC CONTROL PLANS.
 - SHIFT I-89 NORTHBOUND TRAFFIC TO I-89 SOUTHBOUND SIDE.
 - REHABILITATE BRIDGES 43N, 48N, 49N, 50N, 51N.
 - SHIFT I-89 NORTHBOUND TRAFFIC BACK TO I-89 NORTHBOUND SIDE.

- ### NOTES:
- EXISTING STEEL WEIGHTS ARE APPROXIMATE, USING RATIO OF BRIDGE LENGTH TIMES THE TOTAL RECORD WEIGHT FOR EACH BRIDGE PAIR.
 - EXPANSION ABUTMENT TREATMENT INCLUDES: LOCALIZED CONCRETE REPAIR, REMOVE AND REPLACE WINGWALLS ABOVE BRIDGE SEAT ELEVATION, REMOVE BRIDGE SEAT AND REPLACE TO NEW SEAT ELEVATIONS, REMOVE CURTAINWALL, AND PLACE NEW BACKWALL.
 - FIXED ABUTMENT TREATMENT (EXCEPT BR 49N&S) INCLUDES: LOCALIZED CONCRETE REPAIR, REMOVE AND REPLACE WINGWALLS ABOVE BRIDGE SEAT ELEVATION, REMOVE BRIDGE SEAT AND REPLACE TO NEW SEAT ELEVATIONS, REMOVE CURTAINWALL AND REPLACE WITH NEW CURTAINWALL.
 - FIXED ABUTMENT TREATMENT (BR 49N&S) INCLUDES: LOCALIZED CONCRETE REPAIR, REMOVE AND REPLACE WINGWALLS ABOVE BRIDGE SEAT ELEVATION, REMOVE CURTAINWALL AND REPLACE WITH NEW CURTAINWALL.
 - AT BR 51N&S, FIBER WRAPPING OF THE PIER COLUMNS TO BE APPLIED TO CERTAIN COLUMNS ONLY, AS SHOWN ON SUBSTRUCTURE REPAIR DETAILS AND NOTES, BRIDGE SHEET C-45.

PIER CODES

LCR LOCALIZED CONCRETE REPAIR
 NPC NEW PIER CAP
 FWPC FIBER WRAP PIER COLUMNS

BEARING CODES

JCPG JACK, CLEAN, PAINT, GREASE EXISTING BEARINGS
 RIK REPLACE EXISTING BEARINGS IN KIND

STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town Of	MIDDLESEX-BOLTON	Bridge No.	
Highway No.	I-89	Log Sta.	
		Surv. Sta.	
BRIDGE INFORMATION SUMMARY			
Designed By	P.W. SZUSTAK	Drawn By	P.A. MEREWETHER
Checked By	J.P. HALSTEAD	Bridge Design Supervisor	J.P. HALSTEAD
PROJECT	MIDDLESEX-BOLTON	PROJECT NO.	IM-089-2(26)
TVGA Engineering, Surveying, P.C.	TVGA CAD Drawing No.	brgsum	Date 10/99
	Bridge Sheet No. C-9		Sheet 9 of 307