



ELEVATION - SOUTH BRIDGE RAIL
FACING SOUTH FROM CENTER OF ROADWAY
BRIDGE No. 43S

PAY LENGTH = 223'-6" (THIS SHEET)
 TOTAL PAY LIMIT ITEM 525.33 (STEEL BRIDGE RAIL, NETC 2-RAIL) = 3730 LF

- NOTES:**
- ALL DIMENSIONS HAVE BEEN DEVELOPED FROM CONTRACT PLANS ONLY.
 - CONTRACTOR MUST FIELD-VERIFY DIMENSIONS PRIOR TO APPROVAL.

REVISIONS		
No.	Remarks	Date
0	Initial submittal	4/2/01
1	AS-BUILT REVISIONS	

BILL OF MATERIAL				
Mk.	Qty.	Description	Material	Total wgt.
	30	RAIL POST W6x25 WITH BASE PLATE		2790 lbs.
*	30	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *		810 lbs.
	10	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'-8" OAL)		395 lbs.
	10	LOWER RAIL SPLICE TUBE 3x3x5/16 (1'-8" OAL)		185 lbs.
	30	1/8" THICK BEARING PAD		15 lbs.
	120	3/4" DIA x 6" LG. ROUND-SLOTTED HEAD BOLT WITH WASHER & LOCKWIT		103.2 lbs.
	80	5/8" DIA x 1 3/4" HEX HEAD BOLT WITH HARDENED WASHER		22.4 lbs.
	8	3/4" SCH 40 SPACER PIPE x 1/2" LONG		1.68 lbs.
△	-44M	6 RAIL TUBE (UPPER) 8x4x5/16 23'-6" OAL		2303 lbs.
△	-45M	1 RAIL TUBE (UPPER) 8x4x5/16 23'-6" (SLOTTED ONE END)		1727.25 lbs.
△	-28M	1 RAIL TUBE (UPPER) 8x4x5/16 19'-6" OAL		477.75 lbs.
△	-76M	1 RAIL TUBE (UPPER) 8x4x5/16 15'-4 3/5" OAL		373.63 lbs.
△	-5M	1 RAIL TUBE (UPPER) 8x4x5/16 11'-6 5/8" (SLOTTED BOTH ENDS)		283.03 lbs.
△	-75M	1 RAIL TUBE (UPPER) 8x4x5/16 11'-7 3/4" OAL		281.75 lbs.
△	-44M	6 RAIL TUBE (LOWER) 4x4x1/4 23'-6" OAL		1203.2 lbs.
△	-45M	1 RAIL TUBE (LOWER) 4x4x1/4 23'-6" (SLOTTED ONE END)		902.4 lbs.
△	-28M	1 RAIL TUBE (LOWER) 4x4x1/4 19'-6" OAL		249.6 lbs.
△	-76M	1 RAIL TUBE (LOWER) 4x4x1/4 15'-4 3/4" OAL		195.2 lbs.
△	-5M	1 RAIL TUBE (LOWER) 4x4x1/4 11'-6 5/8" (SLOTTED BOTH ENDS)		147.87 lbs.
△	-75M	1 RAIL TUBE (LOWER) 4x4x1/4 11'-7 3/4" OAL		147.2 lbs.

* - ANCHORAGE ASSEMBLY BY OTHERS, NOT PROVIDED BY HIGHWAY SAFETY CORP. SHOWN FOR REFERENCE ONLY.

TVGA
 Engineering, Surveying, P.C.

NO EXCEPTIONS TAKEN REJECTED
 FURNISH AS CORRECTED REVISE AND RESUBMIT

ENGINEER has reviewed Shop Drawings and Samples and other data which Contractor is required to submit, only for conformance with the information given in the Contract Documents and compatibility with the design concept of the completed Project as a functioning whole as indicated in the Contract Documents. Such reviews do not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions and programs incident thereto. Contractor is responsible for dimensions to be confirmed and correlated at the job site. For information that pertains solely to the fabrication processes or to techniques of construction, and for coordination of the work of all trades.

BY: J. W. E.
 DATE: 6/21/01

CONSTRUCTION NOTE:
 END OF WINGWALLS HAVE BEEN LOCATED APPROXIMATELY BY VAOT SURVEY. CONTRACTOR SHALL VERIFY REQUIRED RAIL LENGTHS PRIOR TO APPROVAL.

		HIGHWAY SAFETY CORP.	
GLASTONBURY, CT			
ITEM 525.33 - BRIDGE RAILING - NETC 2 RAIL	DRAWN C.A. Leblanc	CHECKED <u>J. W. E.</u>	DATE <u>03/30/01</u>
PROJECT No. IM-089-2(26)	TOWN OF MIDDLESEX & BOLTON	SCALE NONE	HSC REFERENCE NO. <u>1237</u>
1-89 OVER U.S. 2	BRIDGE No. 43S	SIZE D	REVISION <u>1</u>
GENERAL CONTRACTOR WINTERSET, INC.	SHEET NO. <u>1</u>	1 of 17	
SUB CONTRACTOR F.R. LAFAYETTE, INC.			