



**ELEVATION – SOUTH BRIDGE RAIL
FACING SOUTH FROM CENTER OF ROADWAY
BRIDGE No. 50N**

PAY LENGTH = 258'-5" (THIS SHEET)
TOTAL PAY LIMIT ITEM 525.33 (STEEL BRIDGE RAIL, NETC 2--RAIL) = 3730 LF

BILL OF MATERIAL				
Mk.	Qty.	Description	Material	Total wgt.
	34	RAIL POST W6x25 WITH BASE PLATE		3162 lbs.
*	34	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *		918 lbs.
	11	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'-8" OAL)		434.5 lbs.
	11	LOWER RAIL SPLICE TUBE 3x3x5/16 (1'-8" OAL)		203.5 lbs.
	34	1/8" THICK BEARING PAD		17 lbs.
	136	3/4" DIA x 6" LG. ROUND-SLOTTED HEAD BOLT WITH WASHER & LOCKWIT		116.96 lbs.
	88	5/8" DIA x 1 3/4" HEX HEAD BOLT WITH HARDENED WASHER		24.64 lbs.
	24	3/4" SCH 40 SPACER PIPE x 1/2" LONG		1.68 lbs.
△	-44M	9 RAIL TUBE (UPPER) 8x4x5/16 23'-6" OAL		5181.75 lbs.
△	-38M	1 RAIL TUBE (UPPER) 8x4x5/16 22'-6" (SLOTTED ONE END)		551.25 lbs.
△	-98M	1 RAIL TUBE (UPPER) 8x4x5/16 10'-10 3/8" OAL		266.18 lbs.
△	-9M	1 RAIL TUBE (UPPER) 8x4x5/16 12'-7" (SLOTTED BOTH ENDS)		308.29 lbs.
△	-44M	9 RAIL TUBE (LOWER) 4x4x1/4 23'-6" OAL		2707.2 lbs.
△	-38M	1 RAIL TUBE (LOWER) 4x4x1/4 22'-6" (SLOTTED ONE END)		288.0 lbs.
△	-98M	1 RAIL TUBE (LOWER) 4x4x1/4 10'-10 3/8" OAL		139.07 lbs.
△	-9M	1 RAIL TUBE (LOWER) 4x4x1/4 12'-7" (SLOTTED BOTH END)		161.07 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 corrected 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: LLB
DATE: 02-05-2002

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

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

REVISIONS		
No.	Remarks	Date
0	Initial submittal	4/2/01
1	MISC. CORRECTIONS	1/25/02

HIGHWAY SAFETY CORP.
GLASTONBURY, CT

ITEM 525.33 - BRIDGE RAILING - NETC 2 RAIL
PROJECT No. IM-089-2(26)
TOWN OF MIDDLESEX & BOLTON
I-89 OVER U.S. 2
BRIDGE No. 50N

DRAWN C.A. Leblanc
CHECKED Paul
DATE 103/30/01
SCALE NONE
HSC REFERENCE NO. 1237
GENERAL CONTRACTOR WINTERSET, INC.
SUB CONTRACTOR F.R. LAFAYETTE, INC.

SIZE D REVISION △
SHEET NO. 15 of 17