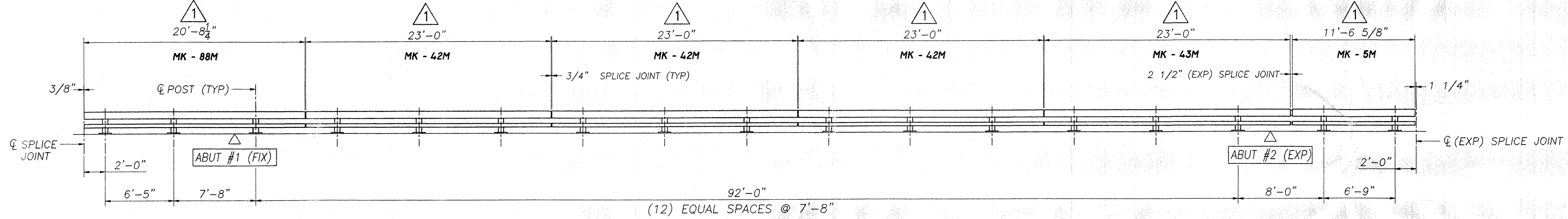


BILL OF MATERIAL				
Mk.	Qty.	Description	Material	Total wgt.
	17	RAIL POST W6x25 WITH BASE PLATE		1581 lbs.
*	17	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *		459 lbs.
△	5	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'-8" OAL)		158 lbs.
△	5	LOWER RAIL SPLICE TUBE 3x3x5/16 (1'-8" OAL)		74 lbs.
	17	1/8" THICK BEARING PAD		8.5 lbs.
	68	3/4" DIA x 6" LG. ROUND-SLOTTED HEAD BOLT WITH WASHER & LOCKNUT		58.48 lbs.
△	40	5/8" DIA x 1 3/4" HEX HEAD BOLT WITH HARDENED WASHER		8.96 lbs.
	8	3/4" SCH 40 SPACER PIPE x 1/2" LONG		.56 lbs.
△	-05M	1 RAIL TUBE (UPPER) 8x4x5/16 11'-6 5/8" OAL (SLOTTED BOTH ENDS)		715.86 lbs.
△	-43M	1 RAIL TUBE (UPPER) 8x4x5/16 23'-0" OAL (SLOTTED ONE END)		661.5 lbs.
△	-42M	3 RAIL TUBE (UPPER) 8x4x5/16 23'-0" OAL		1018.79 lbs.
△	-88M	1 RAIL TUBE (UPPER) 8x4x5/16 20'-8 1/4" OAL		649.25 lbs.
△	-05M	1 RAIL TUBE (LOWER) 4x4x1/4 11'-6 5/8" OAL (SLOTTED BOTH ENDS)		374 lbs.
△	-43M	1 RAIL TUBE (LOWER) 4x4x1/4 23'-0" OAL (SLOTTED ONE END)		345.6 lbs.
△	-42M	3 RAIL TUBE (LOWER) 4x4x1/4 23'-0" OAL		532.27 lbs.
△	-88M	1 RAIL TUBE (LOWER) 4x4x1/4 20'-8 1/4" OAL		339.2 lbs.

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



**ELEVATION - SOUTH BRIDGE RAIL**  
**FACING SOUTH FROM CENTER OF ROADWAY**  
**BRIDGE No. 49S**

PAY LENGTH = 124'-10" (THIS SHEET)  
 TOTAL PAY LIMIT ITEM 525.33 (STEEL BRIDGE RAIL, NETC 2-RAIL) = 3730 LF

**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. Such review does 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 controlled 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: ME D. S. C.  
 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.

**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	AS-BUILT REVISIONS	

**HIGHWAY SAFETY CORP.**  
 GLASTONBURY, CT

ITEM 525.33 - BRIDGE RAILING - NETC 2 RAIL  
 PROJECT No. 1M-089-2(26)  
 TOWN OF MIDDLESEX & BOLTON  
 1-89 OVER TH 7  
 BRIDGE No. 49S

GENERAL CONTRACTOR: WINTERSET, INC.  
 SUB CONTRACTOR: F.R. LAFAYETTE, INC.

DRAWN: C.A. Leblanc  
 CHECKED: [Signature]  
 DATE: 03/30/01  
 SCALE: NONE  
 HSC REFERENCE NO.: 1237  
 SIZE: D REVISION: 1  
 SHEET NO.: 9 of 17