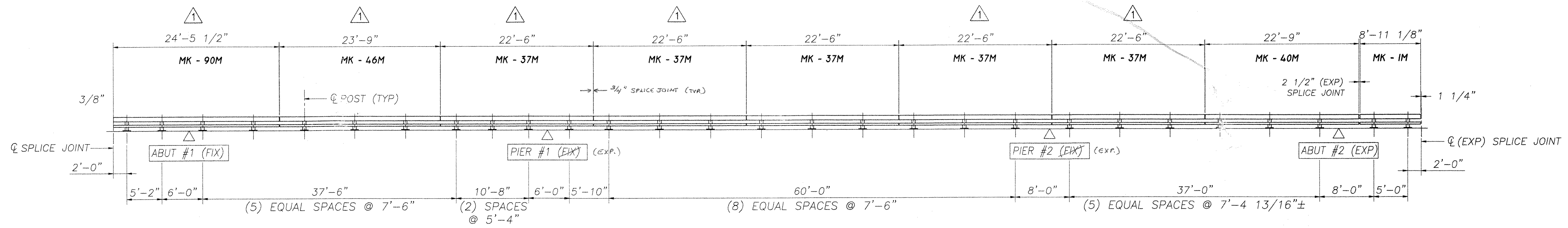


BILL OF MATERIAL				
Mk.	Qty.	Description	Material	Total wgt.
	28	RAIL POST W6x25 WITH BASE PLATE		2604 lbs.
*	28	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *		756 lbs.
B	8	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'-8" OAL)		316 lbs.
B	8	LOWER RAIL SPLICE TUBE 3x3x5/16 (1'-8" OAL)		148 lbs.
28	1/8"	THICK BEARING PAD		14 lbs.
112	3/4" DIA x 6" LG. ROUND-SLOTTED HEAD BOLT WITH WASHER & LOCKWIT			96.32 lbs.
64	5/8" DIA x 1 3/4" HEX HEAD BOLT WITH HARDENED WASHER			17.92 lbs.
24	3/4" SCH 40 SPACER PIPE x 1/2" LONG			1.68 lbs.
Δ	-90M	1 RAIL TUBE (UPPER) 8x4x5/16 24'-5 1/2" OAL		599.23 lbs.
Δ	-46M	1 RAIL TUBE (UPPER) 8x4x5/16 23'-9" OAL		581.88 lbs.
Δ	-40M	1 RAIL TUBE (UPPER) 8x4x5/16 22'-9" (SLOTTED ONE END)		557.38 lbs.
Δ	-37M	5 RAIL TUBE (UPPER) 8x4x5/16 22'-6" OAL		2756.25 lbs.
Δ	-1M	1 RAIL TUBE (UPPER) 8x4x5/16 8'-11 1/8" (SLOTTED BOTH ENDS)		218.71 lbs.
Δ	-90M	1 RAIL TUBE (LOWER) 4x4x1/4 24'-5 1/2" (SLOTTED ONE END)		313.07 lbs.
Δ	-46M	1 RAIL TUBE (LOWER) 4x4x1/4 23'-9" OAL		304.0 lbs.
Δ	-40M	1 RAIL TUBE (LOWER) 4x4x1/4 22'-9" (SLOTTED ONE END)		291.2 lbs.
Δ	-37M	5 RAIL TUBE (LOWER) 4x4x1/4 22'-6" OAL		1440 lbs.
Δ	-1M	1 RAIL TUBE (LOWER) 4x4x1/4 8'-11 1/8" (SLOTTED BOTH ENDS)		218.71 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. 43N

PAY LENGTH = 193'-2" (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 and compliance with the design concept of the completed Project as a furnishing 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 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: MLL
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. 43N

DRAWN: C.A. Leblanc
CHECKED: Paul K
DATE: 03/30/01
SCALE: NONE
HSC REFERENCE NO.: 1237

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

SIZE: D
SHEET NO.: 3 of 17