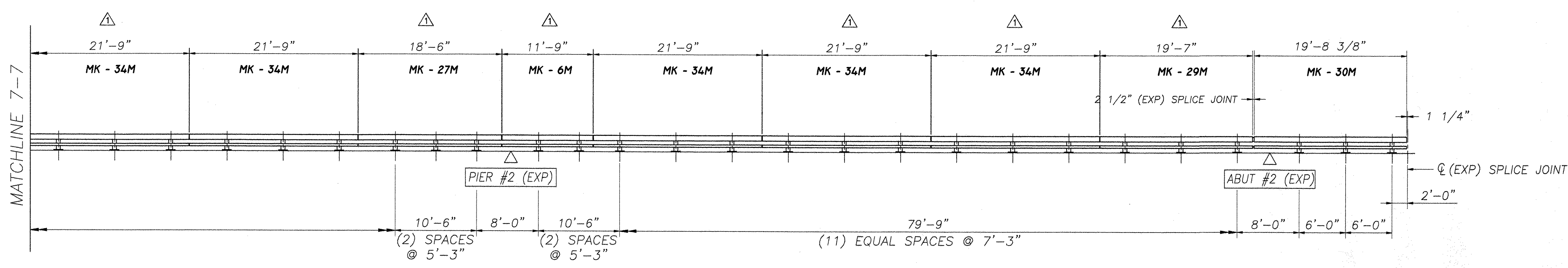
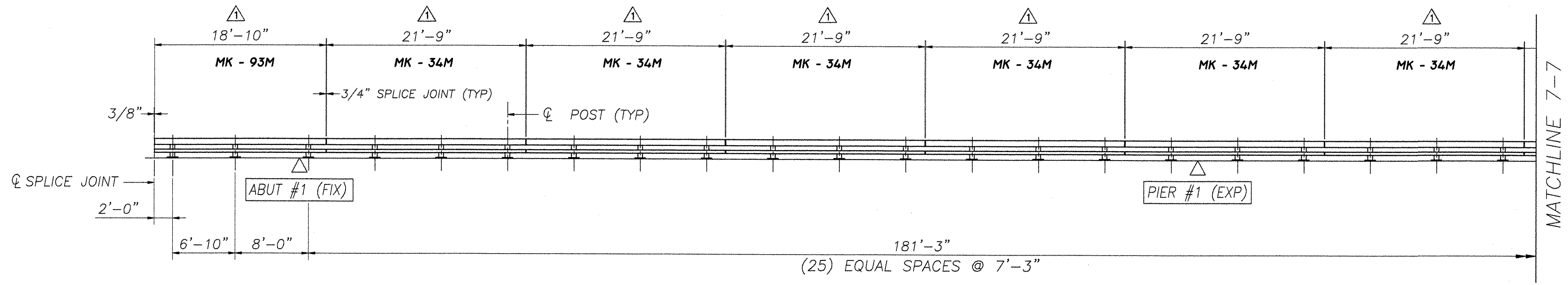


BILL OF MATERIAL				
Mk.	Qty.	Description	Material	Total wgt.
	47	RAIL POST W6x25 WITH BASE PLATE		4371 lbs.
*	47	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *		1269 lbs.
△	15	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'-8" OAL)		513.5 lbs.
△	15	LOWER RAIL SPLICE TUBE 3x3x5/16 (1'-8" OAL)		240.5 lbs.
	47	1/8" THICK BEARING PAD		23.5 lbs.
	188	3/4" DIA x 6" LG. ROUND-SLOTTED HEAD BOLT WITH WASHER & LOCKNUT		161.68 lbs.
△	120	5/8" DIA x 1 3/4" HEX HEAD BOLT WITH HARDENED WASHER		29.12 lbs.
	24	3/4" SCH 40 SPACER PIPE x 1/2" LONG		1.68 lbs.
△	-34M	11 RAIL TUBE (UPPER) 8x4x5/16 21'-9" OAL		5861.68 lbs.
△	-30M	1 RAIL TUBE (UPPER) 8x4x5/16 19'-8 3/8" (SLOTTED BOTH ENDS)		482.6 lbs.
△	-29M	1 RAIL TUBE (UPPER) 8x4x5/16 19'-7" (SLOTTED ONE END)		479.79 lbs.
△	-93M	1 RAIL TUBE (UPPER) 8x4x5/16 18'-10" OAL		461.42 lbs.
△	-27M	1 RAIL TUBE (UPPER) 8x4x5/16 18'-6" OAL		453.25 lbs.
△	-6M	1 RAIL TUBE (UPPER) 8x4x5/16 11'-9" OAL		287.88 lbs.
△	-34M	11 RAIL TUBE (LOWER) 4x4x1/4 21'-9" OAL		3062.4 lbs.
△	-30M	1 RAIL TUBE (LOWER) 4x4x1/4 19'-8 3/8" (SLOTTED BOTH ENDS)		252.13 lbs.
△	-29M	1 RAIL TUBE (LOWER) 4x4x1/4 19'-7" (SLOTTED ONE END)		288 lbs.
△	-93M	1 RAIL TUBE (LOWER) 4x4x1/4 18'-10" OAL		241.07 lbs.
△	-27M	1 RAIL TUBE (LOWER) 4x4x1/4 18'-6" OAL		236.8 lbs.
△	-6M	1 RAIL TUBE (LOWER) 4x4x1/4 11'-9" OAL		150.4 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. 48N

PAY LENGTH = 328'-10" (THIS SHEET)
TOTAL PAY LIMIT ITEM 525.33 (STEEL BRIDGE RAIL, NETC 2-RAIL) = 3730 LF

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 LITTLE RIVER
BRIDGE No. 48N

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

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

SIZE D REVISION
SHEET NO. 7 of 17