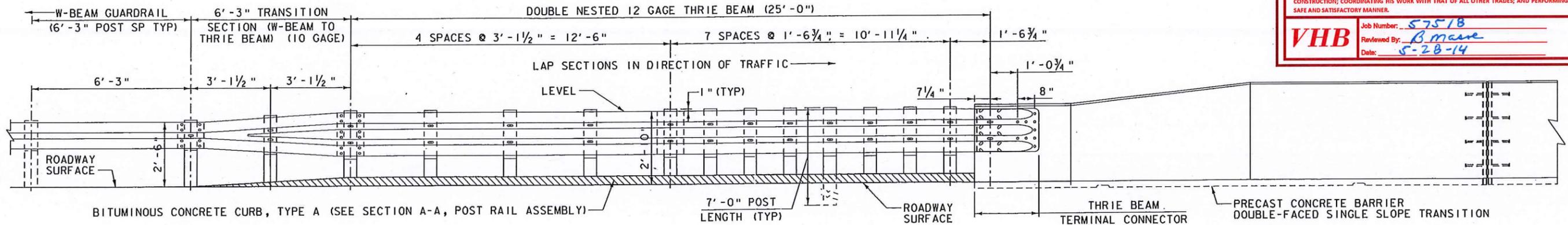


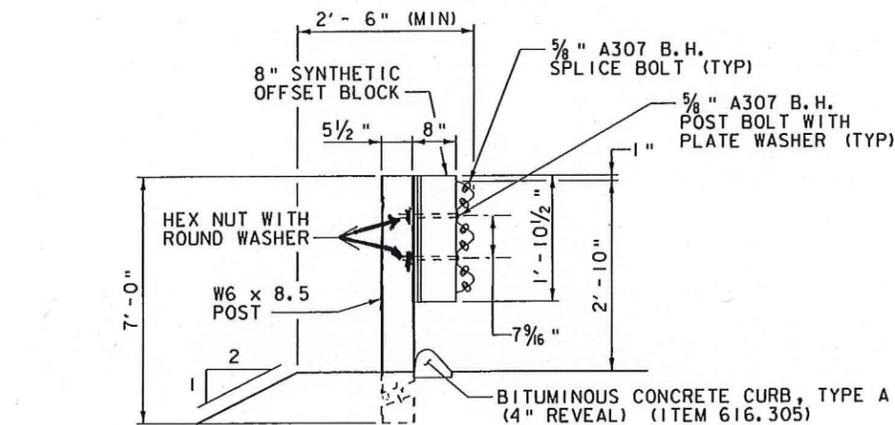
PLAN VIEW - CONCRETE BARRIER TO GUARDRAIL CONNECTION DETAIL (SINGLE-FACED THRIE BEAM GUARDRAIL)

SCALE 1/2" = 1'-0"



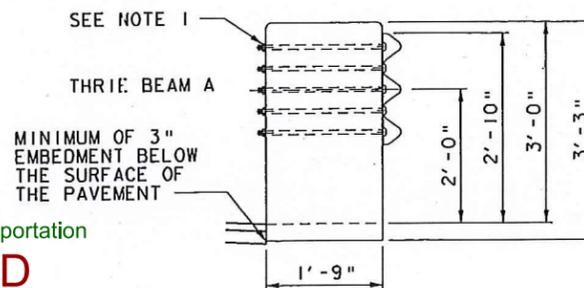
ELEVATION - APPROACH RAIL

SCALE 1/2" = 1'-0"



SECTION A-A (POST RAIL ASSEMBLY)

SCALE 3/4" = 1'-0"

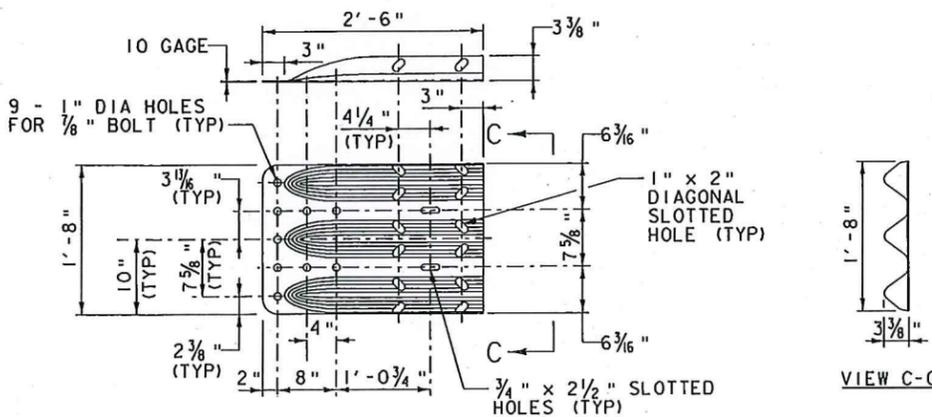


THRIE BEAM ATTACHMENT

SCALE 3/4" = 1'-0"

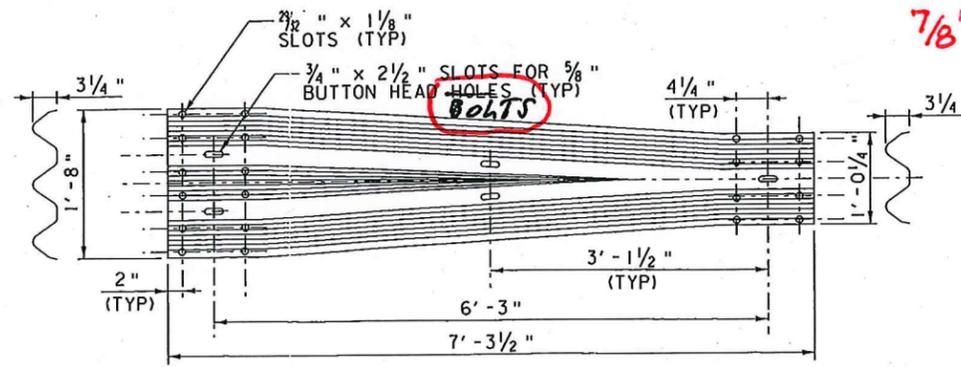
BILL OF MATERIAL, ITEM # 900.620 EACH (4 REQ'D)

QTY	DESCRIPTION	ASTM DESIGNATION
1	THRIE BEAM TERMINAL CONNECTOR (10 Ga.)	AASHTO M180
1	THRIE BEAM TO "W" BEAM TRANSITION SECTION (10 Ga.)	AASHTO M180
14	W6x8.5 PANEL POST @ 7' W/ 7 5/8" CTRS	A572 Gr. 50
4	THRIE PANEL, 12'-6" (12 Ga.)	AASHTO M180
9	Ø 7/8" BUTTON HEAD, POST BOLT @ 24", WASHER, & NUT	A325
26	Ø 5/8" BUTTON HEAD, POST BOLT @ 9 1/2", WASHER, & NUT	A307
26	3/16" x 1 3/4" x 3" PLATE WASHER	A709
44	Ø 5/8" x 2" POST BOLT & RECESSED NUT (BG226)	A307
13	8" x 22 1/2" MONDO BLOCK	SYNTHETIC
1	8' x 14' MONDO BLOCK	SYNTHETIC



THRIE BEAM TERMINAL CONNECTOR

SCALE 1" = 1'-0"



THRIE BEAM TO W-BEAM TRANSITION SECTION

SCALE 1" = 1'-0"

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

REJECTED REVISE AND RESUBMIT FURNISH AS CORRECTED

REVISIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR OF GENERAL CONFORMANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

VHB Job Number: 57518
Reviewed By: B. Mason
Date: 5-28-14

Vermont Agency of Transportation

RECEIVED
ON: May 19, 2014
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 05/28/2014

NOTES:

- THRIE BEAM SHALL BE FASTENED WITH 7/8" ASTM A325 BOLTS, NUTS AND WASHERS, (EPOXY THREADED INSERTS ARE OPTIONAL). ALL COSTS SHALL BE INCLUDED IN ITEM 900.620, "SPECIAL PROVISION (GUARDRAIL APPROACH SECTION TO CONCRETE MEDIAN BARRIER)".
- ALL THRIE BEAM RAIL, INCLUDING TRANSITION SECTION, SHALL BE GALVANIZED 12 GAGE. ALL TERMINAL CONNECTORS SHALL BE GALVANIZED 10 GAGE.
- CONNECTIONS TO CONCRETE BARRIER SHALL BE APPROVED 7/8" GALVANIZED HIGH STRENGTH THROUGH BOLTS IN CORE DRILLED HOLES. CHECK ACTUAL HOLE SPACING BEFORE CORING BOLT HOLES.
- ALL CONNECTIONS FOR THE THRIE BEAM RAIL AND TERMINAL CONNECTOR SHALL LAP IN THE DIRECTION OF TRAFFIC.

APPROVED BY:

ITEM #: 900.620 SHEET 1 OF 1

CONCRETE BARRIER TO "W" PANEL TRANSITION
ROCHESTER, ER STP 0182 (19) VT RTE 73 (MAJOR COLLECTOR), BRIDGE NO. 13, OVER BRANDON BROOK
TOWN OF ROCHESTER, COUNTY OF WINDSOR, VT

R NO.	DATE	DESCRIPTION	BY	R NO.	DATE	DESCRIPTION	BY

ELDERLEE, INC.
OAKS CORNERS, NEW YORK 14518
E-Mail: dlong@elderlee.com / epak@elderlee.com
Tel: 315-789-8670 Fax: 315-789-8615

DRAWN: S18/14
CHECKED: D.L. S18/14
APPROVED: SCALE: SCHEMATIC
DRAWING NO. PRL-ROCHTR13