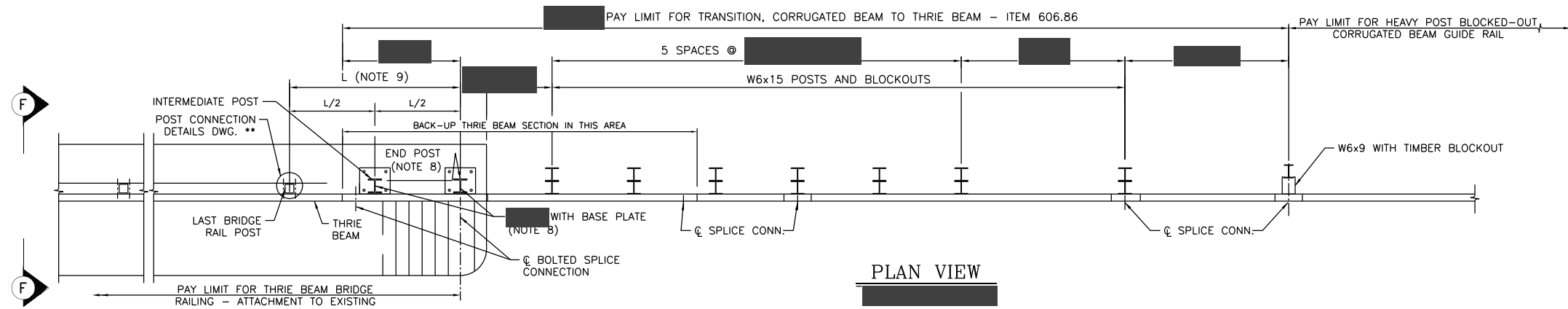


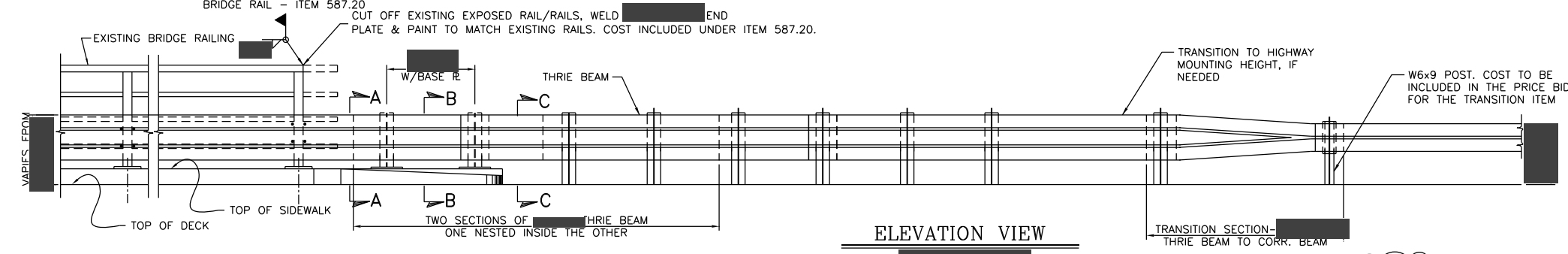
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NOTES

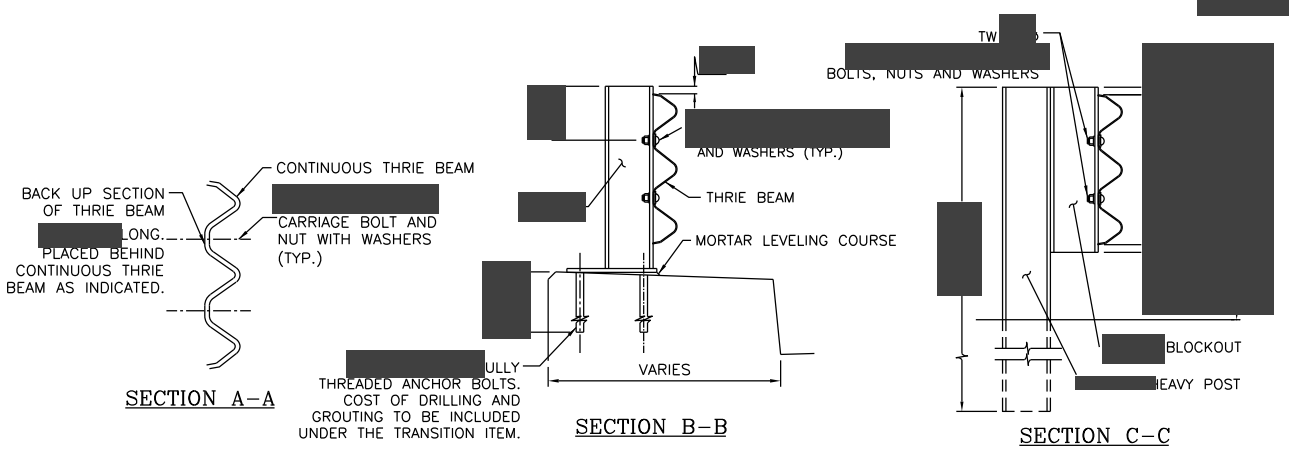
1. INSTALL NEW TRANSITION, FROM CORRUGATED BEAM TO THRIE BEAM, PAID FOR UNDER ITEM 606.86.
2. ALL NEW THRIE BEAM SECTIONS SHALL BE [REDACTED]
3. THE TRANSITION SECTION FROM CORRUGATED BEAM TO THRIE BEAM SHALL BE [REDACTED]
4. THE MATERIAL FROM WHICH THE THRIE BEAM IS FABRICATED SHALL CONFORM TO MATERIAL SPECIFICATION 710-20.
5. ALL COMPONENTS OF THRIE BEAM UPGRADING SYSTEM SHALL BE GALVANIZED IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01 AFTER FABRICATION.
6. WHEN BRIDGE RAILING POSTS AND/OR HIGHWAY POST OCCUR WHERE THERE ARE NO HOLES IN THE STANDARD THRIE BEAM SECTION, HOLES SHALL BE DRILLED OR PUNCHED IN THE APPROPRIATE LOCATIONS AND GALVANIZING SHALL BE REPAIRED ACCORDING TO MATERIAL SPECIFICATION 719-01.
7. THE THRIE BEAM SHALL BE CONNECTED TO ALL POSTS.
8. AFTER ALL CONCRETE ANCHOR STUD NUTS HAVE BEEN PLACED AND TIGHTENED TO THE SATISFACTION OF THE ENGINEER, THE STUDS SHALL BE FLAME CUT-OFF 1 INCH ABOVE THE NUT AND THE FIRST THREAD ABOVE THE NUT SHALL BE DEFORMED AS ORDERED BY THE ENGINEER. ALL NUTS SHALL EITHER BE TACK WELDED IN PLACE (GALVANIZING REPAIRED IN ACCORDANCE WITH SPECIFICATION 719-01) OR HAVE LOCK WASHERS.
9. END POST AND INTERMEDIATE POSTS (IF REQUIRED) SHALL BE W6x25 (A36) MOUNTED ON CONCRETE. THE LENGTH OF THE POST SHALL BE SUCH TO ATTAIN THE PROPER RAILING HEIGHT. COST INCLUDED UNDER THE TRANSITION ITEM. REFER TO DETAIL-1 ON THIS SHEET.
10. [REDACTED]
11. THE THRIE BEAM SHALL HAVE AN EXPANSION JOINT AT EVERY LOCATION THAT THE BRIDGE HAS AN EXPANSION JOINT.
12. CRACKED WINGWALLS WITHIN [REDACTED] OF THE PROPOSED ANCHORAGE SHALL BE REMOVED A.O.B.E. AND REPLACED WITH GROUT MATERIAL AT THE SAME TIME THAT THE ANCHORS ARE GROUTED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE THRIE BEAM ITEM. IF WINGWALLS ARE DETERIORATED TO A DEPTH GREATER THAN [REDACTED] REMOVE STRUCTURAL CONCRETE AND REPLACE WITH CLASS "A" CONCRETE - ITEM 582.05 WHERE SHOWN ON PLANS OR AS ORDERED BY THE ENGINEER.



PLAN VIEW



ELEVATION VIEW



SECTION A-A

SECTION B-B

SECTION C-C

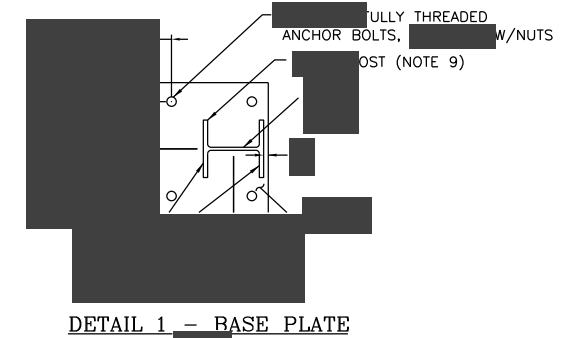
BEAM SPLICE EXPANSION JOINT DETAIL

(SEE NOTE #11)

DESIGNER NOTE:
THESE DETAILS HAVE LIMITED
USE ON THRUWAY PROJECTS.
SEE EB 99-08 OR JRB.

NOTE:
PROVIDE FIRM LEVEL SEAT FOR
BASE PLATE BY BUSH
HAMMERING AND APPLYING A
LAYER OF EPOXY MORTAR BINDER
(MATERIAL SPECIFICATION
721-02), OR EPOXY REPAIR
PASTE (MATERIAL SPECIFICATION
721-05), AS ORDERED BY THE
ENGINEER.

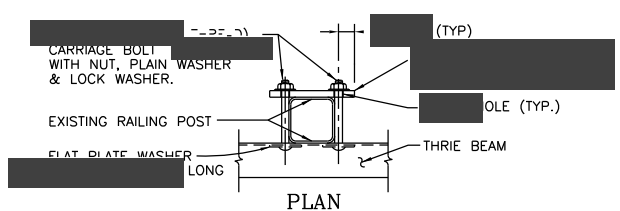
NOTE:
TORQUE ALL BOLTS IN EXPANSION JOINT TO
[REDACTED] AND USE A DOUBLE NUT OR
TACK WELD NUT TO BOLT.



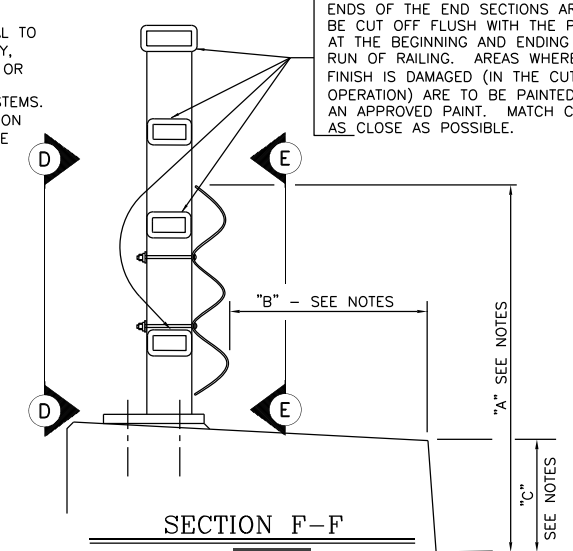
DETAIL 1 - BASE PLATE

PE STAMP &
SIGNATURE ARE
NOT REQUIRED ON
THIS SHEET.

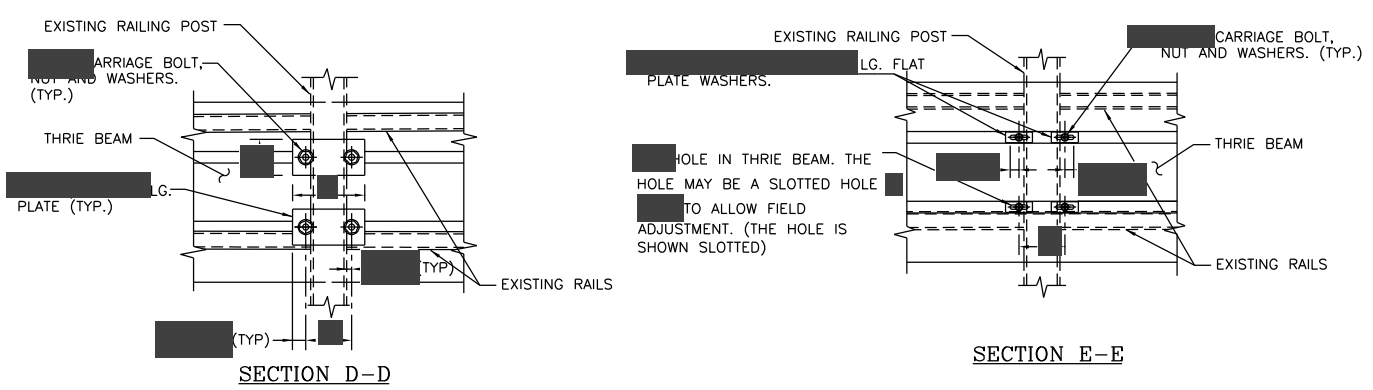
NOTES FOR SECTION F-F
WHERE DIMENSION "B" IS LESS THAN OR EQUAL TO [REDACTED] "A" SHOULD BE [REDACTED] IF NECESSARY, DIMENSION "A" MAY BE DECREASED TO [REDACTED] OR INCREASED TO [REDACTED] TO AVOID CONNECTION DIFFICULTIES INVOLVING RAILS ON EXISTING SYSTEMS. IF DIMENSION "B" EXCEEDS [REDACTED] OR DIMENSION "C" IS GREATER THAN [REDACTED] CONTACT THE DIRECTOR OF THE HIGHWAY DESIGN BUREAU AT THRUWAY ADMINISTRATIVE HEADQUARTERS FOR ALTERNATE DETAILS.



PLAN



SECTION F-F



SECTION D-D

SECTION E-E

POST CONNECTION DETAILS

THE RAIL PROJECTIONS AT THE FREE ENDS OF THE END SECTIONS ARE TO BE CUT OFF FLUSH WITH THE POST, AT THE BEGINNING AND ENDING OF A RUN OF RAILING. AREAS WHERE THE FINISH IS DAMAGED (IN THE CUTTING OPERATION) ARE TO BE PAINTED WITH AN APPROVED PAINT, MATCH COLOR AS CLOSE AS POSSIBLE.

DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT TITLE OF PROJECT LINE 1 TITLE OF PROJECT LINE 2			
LOCATION OF PROJECT LOCATION OF PROJECT LINE 1 LOCATION OF PROJECT LINE 2			
TITLE OF DRAWING THRIE BEAM TRANSITION: 4-RAIL BRIDGE RAIL TO HPBO GUIDE RAIL DETAILS			
CONTRACT NUMBER: TA		DATE: 12/11	
DRAWING NUMBER: *			



CHECKED BY: TA
DRAFTED BY: TA
DESIGNED BY: TA
IN CHARGE OF: TA