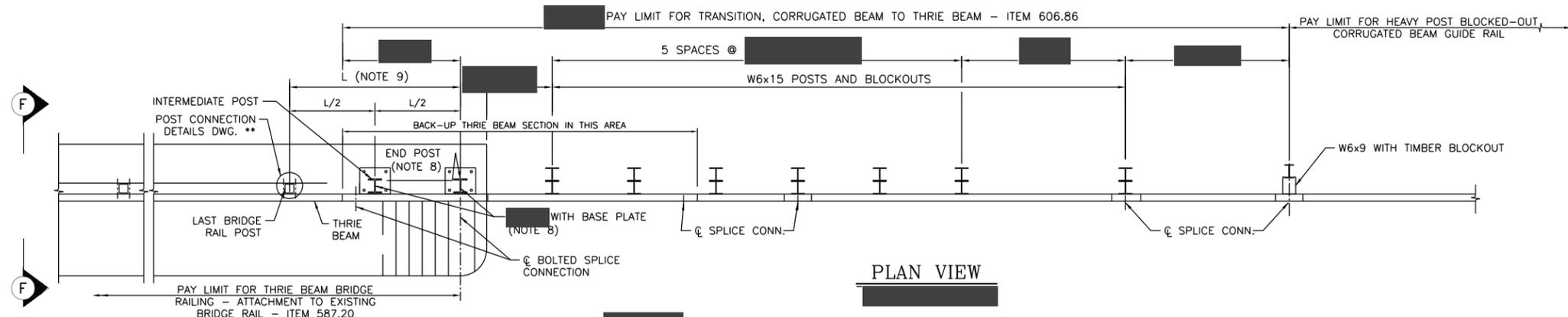
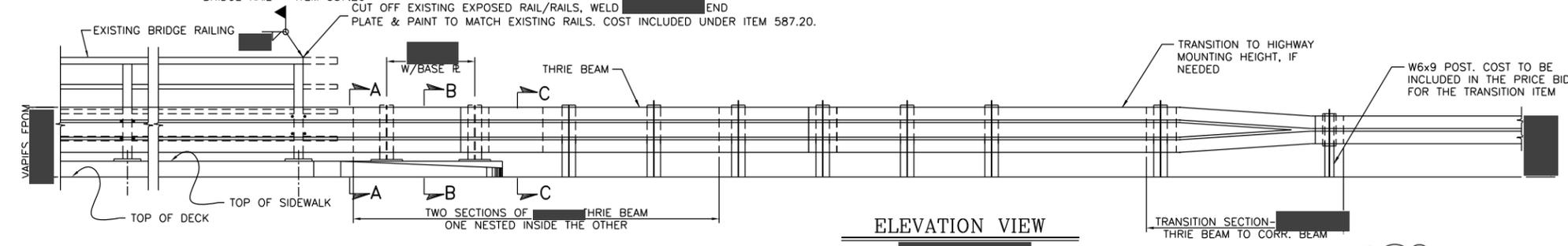


NOTES

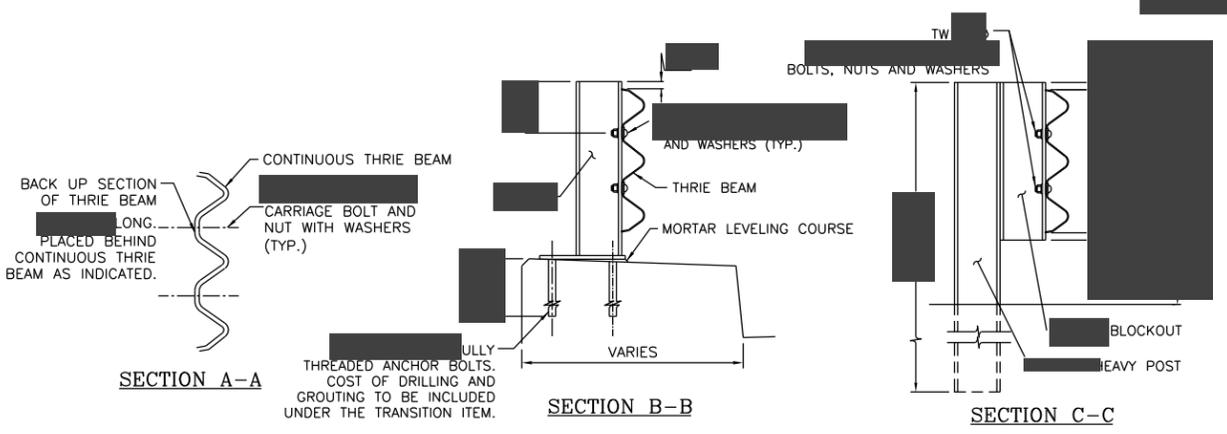
1. INSTALL NEW TRANSITION, FROM CORRUGATED BEAM TO THRIE BEAM, PAID FOR UNDER ITEM 606.86.
2. ALL NEW THRIE BEAM SECTIONS SHALL BE [REDACTED]
3. THE TRANSITION SECTION FROM CORRUGATED BEAM TO THRIE BEAM SHALL BE [REDACTED]
4. THE MATERIAL FROM WHICH THE THRIE BEAM IS FABRICATED SHALL CONFORM TO MATERIAL 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.



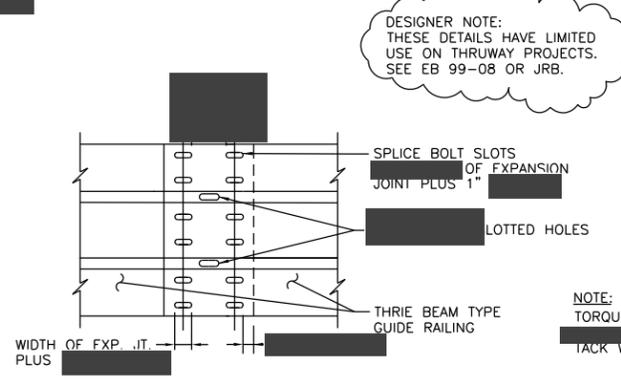
PLAN VIEW



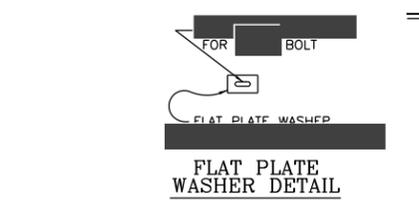
ELEVATION VIEW



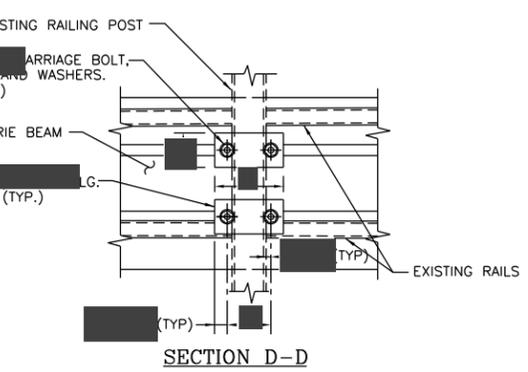
TRANSITION SECTION DETAILS



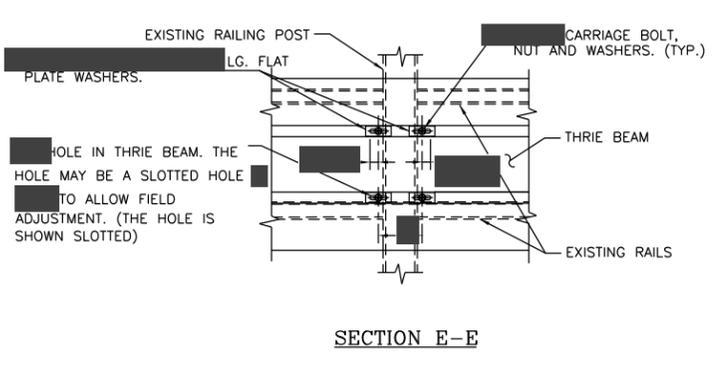
BEAM SPLICE EXPANSION JOINT DETAIL



FLAT PLATE WASHER DETAIL

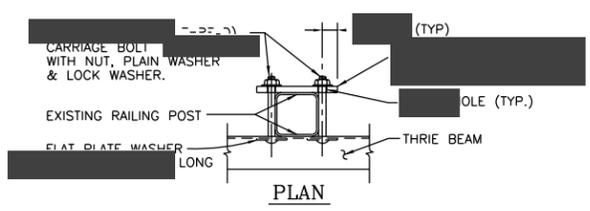


SECTION D-D



SECTION E-E

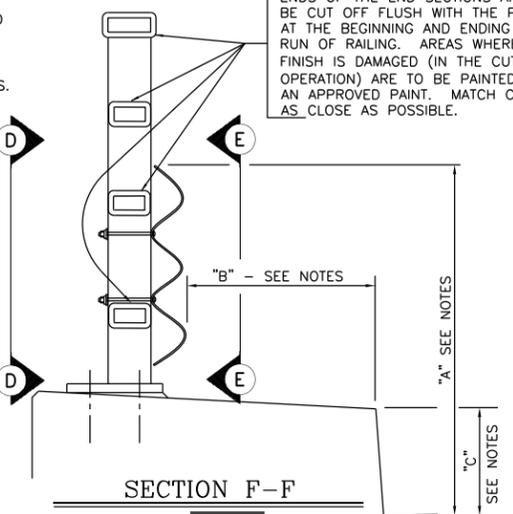
POST CONNECTION DETAILS



PLAN

PE STAMP & SIGNATURE ARE NOT REQUIRED ON THIS SHEET.

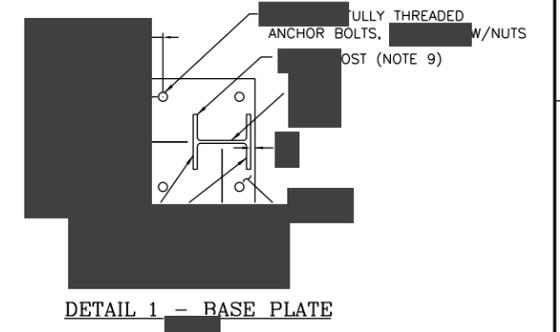
NOTES FOR SECTION F-F  
WHERE DIMENSION "B" IS LESS THAN OR EQUAL TO [REDACTED] "A" SHOULD BE [REDACTED] IF NECESSARY. DIMENSION "A" MAY BE DECREASED TO [REDACTED] OR INCREASED TO [REDACTED] TO AVOID CONNECTION DIFFICULTIES INVOLVING RAILS ON EXISTING SYSTEMS. IF DIMENSION "B" EXCEEDS [REDACTED] OR DIMENSION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



SECTION F-F

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

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.



DETAIL 1 - BASE PLATE

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: IA  
DRAFTED BY: IA  
DESIGNED BY: IA  
IN CHARGE OF: IA