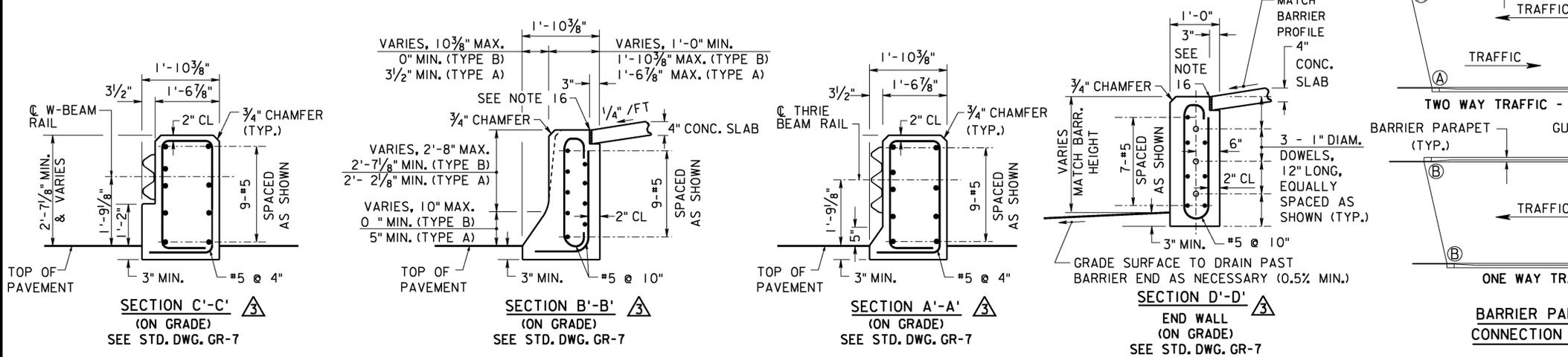
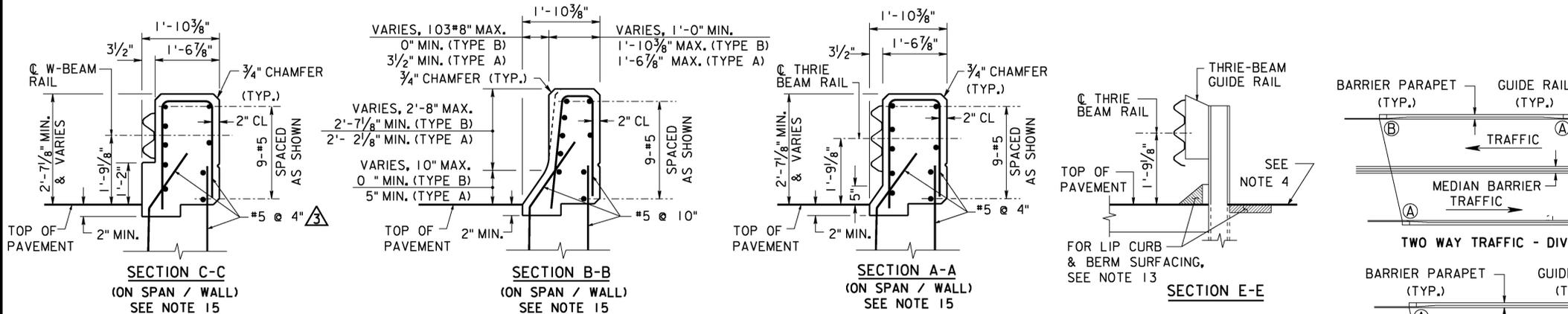
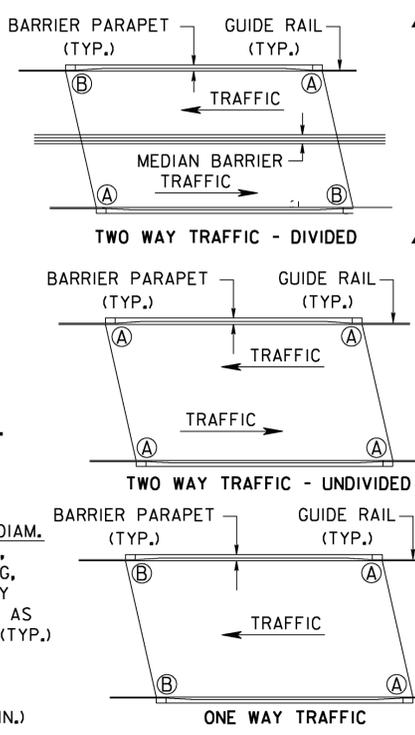
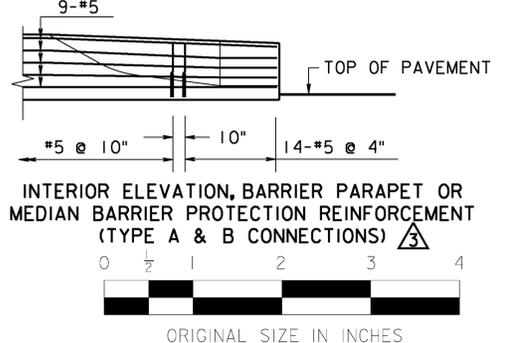


- NOTES:**
1. THIS GUIDE RAIL TRANSITION IS APPROPRIATE FOR CONNECTION TO A VERTICAL CONCRETE SHAPE AND SHOULD NOT BE CONNECTED DIRECTLY TO A CONCRETE SAFETY SHAPE. CONCRETE SAFETY BARRIER SHOULD BE TRANSITIONED TO A VERTICAL SHAPE AT THE GUIDE RAIL CONNECTION.
 2. FOR RECOMMENDED ATTACHMENT, REFER TO "BARRIER PARAPET CONNECTION TYPES", THIS SHEET.
 3. ALL CROSS SLOPES BETWEEN THE PAVEMENT EDGE AND POSTS SHALL BE 10H:1V OR FLATTER.
 4. EMBANKMENT MATERIAL CONFORMING TO NJTA STANDARD SPECIFICATION SECTION 203 SHALL EXTEND FLAT BEHIND THE POSTS AT LEAST 2'-0" AT WHICH POINT A SLOPE OF NO STEEPER THAN 2H:1V SHOULD EXTEND A MINIMUM OF 4'-0" FURTHER.
 5. AT TYPE A CONNECTIONS, THRIE BEAM RAIL ELEMENT WILL REQUIRE ADDITIONAL POST MOUNTING HOLES FOR POST #1, #3 AND #5. HOLES ARE TO BE SHOP PUNCHED OR DRILLED BEFORE GALVANIZATION. NO FIELD DRILLING IS PERMITTED.
 6. POSTS 1 THRU 7 SHALL BE 7'-2" LONG WITH 4'-10" POST EMBEDMENT. POST 8 SHALL BE 6'-8" LONG WITH 4'-6" POST EMBEDMENT. POST 9 SHALL BE 6'-8" LONG WITH 4'-4" POST EMBEDMENT.
 7. LOCATE CONDUIT AT END OF BARRIER PARAPETS SO AS NOT TO INTERFERE WITH GUIDE RAIL POST SPACING.
 8. LOCATE DRAINAGE INLETS AND ELECTRICAL JUNCTION BOXES ON APPROACHES SO AS NOT TO INTERFERE WITH GUIDE RAIL POST SPACING.
 9. THE THICKNESS OF THRIE-BEAM, W-BEAM AND W-THRIE BEAM TRANSITION SHALL BE 12-GAUGE.
 10. FOR ADDITIONAL THRIE BEAM AND W-BEAM DETAILS REFER TO STANDARD DRAWINGS GR-1 AND GR-13.
 11. WHEN THE CONFIGURATION OF BRIDGE ABUTMENTS AND WING WALLS DO NOT ACCOMMODATE THE INSTALLATION OF POST 1, THE POST MAY BE ATTACHED TO THE ABUTMENT HEADER WITH THE USE OF A BASE PLATE. SEE STANDARD DRAWING GR-10.
 12. GARDEN STATE PARKWAY ELEMENTS AND POSTS ARE TO BE WEATHERING STEEL AND HOT DIP GALVANIZED 6" MIN. ABOVE FINISHED GRADE. REFER TO THE STANDARD SPECIFICATIONS.



13. SEE STANDARD DRAWINGS CU-2, CU-3, DR-5, AND GR-9 FOR ASPHALT CONCRETE LIP CURB, LIP CURB INLET, AND BERM SURFACING PLACEMENT, OR AS CALLED FOR ON THE CONTRACT PLANS.
14. SEE STANDARD DRAWING GR-13 FOR TERMINAL CONNECTOR BOLT HOLE DIMENSIONS AND BOLT PATTERN.
15. REFER TO STANDARD DRAWING BR-7 FOR ADDITIONAL BARRIER PARAPET DETAILS AND NOTES. VERTICAL REINFORCEMENT STEEL TO EXTEND INTO DECK SLAB OR WING WALL AS SHOWN ON STANDARD DRAWING BR-7.
16. 1/2" WIDE BITUMINOUS PREMOULDED JOINT FILLER WITH 1/2" DEEP HOT POURED JOINT SEALER BETWEEN BARRIER AND CONCRETE SLAB, AND BETWEEN BARRIER AND END WALL.



GUIDE RAIL CONNECTION TO BARRIER PARAPET AND MEDIAN BARRIER PROTECTION

N.T.S.

App.	No.	DATE	REVISION
3	02/13		ADDED SECTIONS A'-A' THRU D'-D', REVISED VERTICAL REBAR SPACING AT TYPE B CONNECTION, REVISED MISC. DRAFTING & NOTES FOR CLARITY
2	11/11		REISSUED DRAWING
1	09/09		REVISED DRAWING
0	04/09		ORIGINAL DRAWING

NEW JERSEY TURNPIKE AUTHORITY

BEAM GUIDE RAIL ATTACHMENTS - 2

OFFICE OF THE CHIEF ENGINEER

2009 STANDARD DRAWING

GR-11