# SECTION I - BARRIER

## B-1 QUADRAIL APPLICATIONS
- 20001-1 PLANS - (TYPE 1, TYPE 2, AND TYPE 3)
- 20004-2 ELEVATIONS AND SPlice DETAIL
- 20007-3 SECTION VIEWS
- 20007-4 GRADE FOR QUADRAIL END TREATMENT, TYPE 1
- 20007-5 GRADE FOR QUADRAIL END TREATMENT, TYPE 2
- 20007-6 GRADE FOR QUADRAIL END TREATMENT, TYPE 3

## B-2 QUADRAIL OVER CULVERTS, TYPE 1

## B-3 QUADRAIL OVER CULVERTS, TYPE 2

## B-4 CURVED QUADRAIL SECTION

## B-5 END ANCHORAGE

## B-6 BURIED END SECTION
- 20001-1 BURIED END SECTION
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## B-7 QUADRAIL TO BARRIER CONNECTION, APPROACH TYPE 1
- 20001-1 PLAN, ELEVATION, AND SECTIONS
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## B-8 QUADRAIL TO BARRIER CONNECTION, APPROACH TYPE 2
- 20001-1 PLAN, ELEVATION, AND SECTIONS
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## B-9 QUADRAIL TO BARRIER CONNECTION, EXIT TYPE

## B-10 BRIDGE RAIL RETROFIT, TYPE 1

## B-11 BRIDGE RAIL RETROFIT, TYPE 2
- 20001-1 PLAN SECTION A-A, BASE PLATE DETAIL
- 20006-2 BASE PLATE DETAIL AND STEEL QUADRAIL POST

## B-12 BRIDGE RAIL RETROFIT, TYPE 3

## B-13 HARDWARE
- 20001-1 W-SECTION DETAILS
- 20001-2 W-SECTION STEEL POST AND OFFSET BLOCK
- 20001-3 W-SECTION STEEL TERMINAL CONNECTOR
- 20001-4 W-SECTION TERMINAL CONNECTOR
- 20001-5 W-SECTION STEEL POST AND OFFSET BLOCK
- 20001-6 W-SECTION TRANSITION SECTION
- 20001-7 WOOD BLOCK, SOL PLATE, SHORT WOOD BREAKAWAY POST, STEEL TUBE, LONG WOOD BREAKAWAY POST
- 20001-8 SNAGED CABLE AND RELATED HARDWARE ASSEMBLY
- 20001-9 REFLECTORIZED WASHER AND BEARING PLATE DETAIL
- 20001-10 QUICK, BOLT & NUT, & STEEL WASHERS
- 20001-11 5/8" HEX BOLT, HEX NUT, & STEEL WASHERS, HIGH-STRENGTH STRUCTURAL, HEX BOLT & HEX NUT
- 20001-12 5/8"-24 HEX NUT & STEEL WASHER, 5/8" CARRIAGE BOLT, HEX NUT, & STEEL WASHER
- 20001-13 QUADRAIL MOUNTED RAIL DETAIL IN NOD

## B-14 CONCRETE SAFETY BARRIER (FLARED)
- 20001-1 TYPICAL CAST IN PLACE OR SLAB FORM CONSTRUCTION
- 20001-2 TYPICAL PRECAST CONSTRUCTION
- 20001-3 SLOTTED PLATE CONNECTION DETAILS