GUARDRAIL STANDARD

GR-20

02-26-2010

#4 LONGITUDINAL BARS

CONNECTION DETAIL

SEE BARRIER

3"

BARS (TOP)

#4 LONGITUDINAL

BARS (BOTTOM)

ELEVATION

PLAN

SECTION B-B

BARREN CONNECTION DETAIL

GENERAL NOTES

1. THE CONCRETE BARRIER DETAIL AS SHOWN ON THIS SHEET ARE IN CONFORMITY WITH THE REQUIREMENTS OF NCHRP REPORT 350, TL 4.

2. ALL REINFORCING STEEL SHALL BE AASHTO M31 (ASTM-A615) GRADE 60, EPOXY COATED.

3. EACH BARRIER UNIT SHALL INCLUDE ONE S 3 x 7.5 AS SHOWN ON THIS PLAN SHEET.

4. SLOTS IN STRUCTURAL TUBES SHALL BE CUT WITH MECHANICALLY GUIDED MEANS TO A SMOOTH, DOUBLE-FACED SINGLE SLOPE.

5. PAID FOR UNDER APPROPRIATE 606 ITEMS, OR AS SHOWN ON PLANS.

MATERIAL NOTES

1. THE BARRIERS SHALL BE LIGHT COLORED CLASS "AA" CONCRETE HAVING A MINIMUM 28 DAY COMPRESSION STRENGTH OF 4,000 PSI. BARRIERS SHALL HAVE A SMOOTH UNIFORM SURFACE MEETING A SURFACE ROUGHNESS OF 1000 MICROINCHES OR BETTER (ANSI B46.1).

2. ALL REINFORCING STEEL SHALL BE EPOXY COATED, DOUBLE-FACED SINGLE SLOPE.

3. EACH BARRIER UNIT SHALL INCLUDE ONE S 3 x 7.5 AS SHOWN ON THIS PLAN SHEET.

4. SHAPER MACHINES SHALL INCLUDE AN APPROPRIATE SCHEDULE.

5. LEVELING PADS OR SHIMMING MATERIAL SHALL BE SUBSIDIARY TO THE BARRIER ITEM.

EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED ¼", UNLESS NOTED OTHERWISE.

FREE OF DEFECTS AND IRREGULARITIES. CASTING DATE SHALL BE SHOWN ON BARRIER. ALL CONCRETE BARRIERS SHALL HAVE A SMOOTH UNIFORM SURFACE MEETING A SURFACE ROUGHNESS OF 1000 MICROINCHES OR BETTER (ANSI B46.1).

THE PAVEMENT BELOW THE SURFACE OF CONCRETE BARRIER DETAILS, AS SHOWN ON THIS SHEET, ARE IN COMPLIANCE WITH THE REQUIREMENTS OF NCHRP REPORT 350, TL 4.

SHOP DRAWINGS, SHALL INCLUDE REINFORCING SCHEDULE.

REINFORCEMENT SHOWN IS THE MINIMUM REQUIRED.

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GUARDRAIL STANDARD

TRANSITION CONCRETE BARRIER PRECAST DOUBLE-FACED SINGLE SLOPE

STANDARD NO. GR-20