A concrete barrier shall be provided on the concave and convex parts of the barrier, in accordance with the rules for the installation of temporary barriers. The barrier shall consist of a concrete base, two sides, and a top, made of reinforced concrete with a smooth uniform surface free of defects and irregularities. The casting shall be done in accordance with the requirements of NCHRP Report 350.

The Color of Delimiters shall, in all cases, conform to the color of edge line markings.

Delineators shall be attached to the barrier using an approved adhesive material or by bolts and nuts.

The lifting options shown are advisory only. It shall be the contractor's responsibility to provide adequate lifting points on each barrier.

Connections to existing barriers, when required, shall be subsidiary to item 606.417.

The Color of Delineators shall, in all cases, conform to the color of edge line markings.

Material notes:

1. BARRIERS SHALL BE LIFTED LIGHTLY CLASS-8 CONCRETE WITH A MINIMUM 28 DAY COMPRESSION STRENGTH OF 4000 PSI. BARRIERS SHALL HAVE A SMOOTH FINISH FREE OF DEFECTS AND IRREGULARITIES. CASTING DRY SHAKING IS NOT RECOMMENDED.

2. ALL REINFORCING STEEL SHALL BE AASHTO M31 (ASTM-A615) GRADE 60. REINFORCEMENT SHOWN IS THE MINIMUM REQUIRED.

3. EACH BARRIER UNIT SHALL INCLUDE ONE LINKING PIN.

4. LIFTING OPTIONS SHOWN ARE ADVISORY ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE LIFTING POINTS ON EACH BARRIER.

5. CONNECTION BOLTS SHALL BE OF THE SAME SIZE AND MADE OF STEEL BAR OR 1" A449 PLAIN STEEL.

6. DELINEATORS SHALL BE ATTACHED TO THE BARRIER USING AN APPROVED ADHESIVE MATERIAL OR BY BOLTS AND NUTS.

7. OTHER BARRIER CONFIGURATIONS AND END CONNECTIONS ARE SUBJECT TO APPROVAL BY THE ENGINEER. BARRIERS ADJOINING SECTION OF A PORTABLE CONCRETE BARRIER SYSTEMS WITHIN THE CLEAR ZONE. REFER TO THE ROADSIDE DESIGN GUIDE FOR CLEAR ZONE WIDTHS AND ADDITIONAL INFORMATION.