NOTES

1. SEE SHEET 3 FOR END ANCHORAGE REQUIREMENTS. AT A MINIMUM, THE BARRIER SHALL BE ANCHORED AT THE ENDS AND 23 INTERPILATIONS WITH THE 25 FOOT ANCHORAGE THE ANCHORAGE SHALL BE A CONCRETE OR CONCRETE WITH 2-8" x 8" x 2-45° BARS.

2. SEE SHEET 3 FOR CONCRETE BARRIER STYLE CA AND STYLE CC.

3. TRANSITION TO EXISTING CONCRETE BARRIER INSTALLATIONS OF CE. W. SHAPED PANELS SHALL BE ACCOMPLISHED IN ONE 25 FOOT LONG SEGMENT OF BARRIER.

4. SEE SHEET 6 FOR CONCRETE BARRIER STYLE CA TRANSITIONS AT BRIDGE COLUMNS AND ELEVATED PORTALS IN WEDGES.

5. FOR STYLE CA CONNECTIONS TO STRUCTURES, SEE THE BRIDGE PLANS.

END ANCHORAGE

TRANSITION CONCRETE BARRIER TYPE 9 TO CONCRETE BARRIER TYPE 7 OR EXISTING
NOTES
1. SEE SHEET 5 FOR DETAILS OF CONCRETE BARRIER STYLE CGG2 AND ANCHORS.
2. BARRIER OFFSET IS GREATER THAN 7/8 INCH SEE CONCRETE BARRIER TYPE C6G.
3. BARRIER OFFSETS SHALL BE PREFERRED, OR CONCRETE AGGREGATE BASE, OR COMPACTED EARTH MATERIAL.
4. RETROREFLECTORIZATION IS REQUIRED ON ALL BARRIER TYPES. SEE THE BARRIER RETROREFLECTOR NOTES ON SHEET 5-62.

CONCRETE BARRIER STYLE C6G (56°)
WELDED: CONCRETE CLAPED SCREW/BARRIER

CONCRETE BARRIER STYLE CGG
DETAILS SIMILAR TO STYLE C6G EXCEPT AS NOTED.
BARRIER EXPANDED TO CONCRETE SURFACES.

CONCRETE BARRIER STYLE CGG
DETAILS SIMILAR TO STYLE C6G EXCEPT AS NOTED.
BARRIER EXPANDED TO CONCRETE SURFACES.

VARS

FOR SURFACES OFFSETS LESS THAN OR EQUAL TO 3 INCHES, NO ADDITIONAL REINFORCEMENT IS REQUIRED.
SURFACE OFFSETS GREATER THAN 3 INCHES WILL REQUIRE ADDITIONAL REINFORCEMENT AS SHOWN.
The lowest layer of the #4 will be 8 INCHES above the bottom of the barrier each vertical increment of #4 inches measured from the lowest layer of reinforcement shall include an additional #4.
REINFORCING STEEL IS NOT REQUIRED FOR OFFSETS LESS THAN 3 INCHES.
NOTES
1. SEE SHEET 1 FOR BAR ANCHORAGE REQUIREMENTS AT A MINIMUM. THE ANCHORAGE SHALL BE ANCHORED AT THE END AND AT INTERVALS WITHIN THE 20 FOOT ANCHORAGE REQUIREMENT. THE ANCHORAGE SHALL BE MONITORING OR ENCLOSED WITH 2X4 8" X 8" X 2" CEE BARS.
2. SEE SHEET 1 FOR CONCRETE BARRIER STYLE CG AND STYLE CGE.
3. SEE SHEET 1 FOR TRANSITION TO THREE BEAMS.
4. TRANSITION TO EXISTING CONCRETE BARRIER INSTALLATIONS OF SEGMENTAL CONCRETE BARRIER SHALL ALWAYS BE ACCOMPLISHED IN ONE 10 FOOT LONG SEGMENT OF BARRIER.
5. SEE SHEET 1 FOR CONCRETE BARRIER STYLE CG TRANSITIONS AT BURGE SOCKETS AND SIGN POST P Scene IN MOUNTING.
6. FOR STYLE CG CONSTRUCTIONS TO STRUCTURE, SEE THE BURGE PLANS.

ANCHORAGE
BARRELL ELEVATION VIEW SHOWING REINFORCED ANCHORAGE AT END.

TRANSLATION CONCRETE BARRIER STYLE CGE/CG TO CONCRETE BARRIER TYPE 7 OR EXISTING
NOTES

1. THE CONTRACTORS OFFERING FOR FULL BETWEEN CONCRETE BARRIER HULLS
   A. PLACE A BUNCH OF POLYSTYRENE AT SIDE BETWEEN CONCRETE BARRIER HULLS.
   B. PLACE 1 1/2" OF NEOPRENE AT SIDES BETWEEN CONCRETE BARRIER HULLS.
   C. PLACE 1 1/2" OF POLYSTYRENE AT SIDES BETWEEN CONCRETE BARRIER HULLS.
   D. BOLTING CONCRETE HULLS FROM HULLS IS NOT PERMITTED.
   E. BOLTING CONCRETE HULLS FROM HULLS IS NOT PERMITTED.

2. INFILL STEEL SHALL EXTEND INFRONT THROUGH CONSTRUCTION JOINTS.

3. SEE SURVEYING SECTIONS FOR SIGN PEDESTAL ELEVATIONS FOR NEW CONSTRUCTION.

4. ADJUST HEIGHT OF CONCRETE BARRIER HULLS TO MATCH ELEVATIONS OF SURVEYED ROADWAY TO PROVIDE LEVEL GRADE ACROSS TOP OF CONCRETE BARRIER HULLS.

5. FOR OVERHEAD SIGNS SEE STANDARD PLAN 9404-40.
TYPE 9 TO SINGLE TYPE 3G TRANSITION AND ANCHORAGE OPTION

CONCRETE AND REINFORCEMENT DETAIL

SINGLE TYPE 3G TRANSITION AND ANCHORAGE

CONNECTION DETAIL

SINGLE TYPE 3G ISOMETRIC VIEW

SEE SHEET 1 FOR REINFORCEMENT INFORMATION AND SHEET 2 FOR ANCHORAGE DETAILS
**Obstruction Wider than 3 ft.**

- 1/2" Poured, Jnt Material
- Pier Column, Sid Support Post, Concrete Wall of Similar Obstructions.

**Obstruction 3 ft. Wide or Less**

Hazards in Narrow Medians

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**Guardrail Type 9**

**Single Slope Barrier**

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**Notes**

1. The height of these barriers shall be based on the height of the guardrail for a 2.5' or 3.0' Flared Slope.
2. The flared slope for barriers in both sides of an obstruction shall be determined by the linear measurement along the guardrail centerline. The overall and gap between columns or obstructions shall not be measured and factored separately, but shall be included in the work.
3. Guardrail between columns of obstructions may be style CA or CB as shown on the plans.

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**Table of Flare Rates for Permanent Concrete Barrier**

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<tr>
<th>Design Speed (mph)</th>
<th>Barriers Inside</th>
<th>Flare Rate for Barrier Inside</th>
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**Guardsrail Type 9 Standard Plan No.**

M-606-15

Sheet No. 11 of 11