TRANSITION BARRIER

DESCRIPTION:

1. Where called for in the Plans, use this Inlet in conjunction with Curb and Gutter Barrier per Index 521-001. Construct Barrier segments shown herein in accordance with requirements of Index 521-001, including connections to adjacent barrier segments using the Doweled Joint.

2. Reinforcing shown is grade 60 steel bars. For the equivalent area of welded wire reinforcement for the Inlet, see Index 425-001. Reinforcing shall have 2" minimum cover unless otherwise shown. Trim or bend bars to provide 1/2" clearance around pipe openings. The cost for additional reinforcing in the barrier is included in the cost of the concrete barrier. For Bar Bending Details of Bars 5V2 & 5U4, see Index 521-001. For all others see Sheet 2 & 3.

3. All Bar is Class II or IV Concrete per Index 521-001.

4. Apply a 3/16" chamfer or 3/4 radius to all exposed concrete edges.

5. For pipe connections to inlet structure bottoms, the recommended maximum pipe sizes are 18" longitudinal and 30" transverse. For larger pipe use Alternate B bottoms, Index 425-020.

6. Grates may be fabricated with reticuline bars or with either 100% welded or 100% electroforegust cross bars and bearing bars as detailed on Sheet 3.

7. When Alternate G grate is specified in the plans, the grate is to be hot-dip galvanized after fabrication, in accordance with Specification 962-9.

8. For Use Item purposes, the depth of the barrier Inlet shall be computed using the center of top grade elevation, minus either the flow line elevation of the lowest pipe flow line or the top of the sump floor elevation.

9. All dimensions are for both precast and cast-in-place (C-I-P) Inlets unless otherwise indicated.

10. For Inlets placed in areas of bicycle traffic, provide the extended crossbar shown with the specified flare angle. For Implement, see Alternate B bottoms, Index 425-001. Reinforcing in the barrier is included in the contract unit price for Inlets, Barrier Rigid, Curb and Gutter.

11. Inlets to be paid for under the contract unit price for Inlets, Barrier Rigid, Curb and Gutter, Each.

12. Concrete Barrier to be paid for under the contract unit price for Shoulder Concrete Barrier, Rigid-Curb & Gutter, LF.

GENERAL NOTES:

PER INDEX 521-001

CURB AND GUTTER BARRIER INLET

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BARRIER SECTIONS

SECTION A-A
BEGIN CROSS-SLOPE TRANSITION
(ALIGN WITH CURB AND GUTTER BARRIER, SEE INDEX 521-001)

SECTION B-B
END CROSS-SLOPE TRANSITION
(ALIGN WITH INLET STRUCTURE)

SECTION C-C
BARRIER OVER INLET STRUCTURE
(THROAT FULLY TRANSITIONED)