NOTES
1. Separators Type I and IV are to be used with flexible pavement. Separators Types II and V are to be used with rigid pavement.

2. Either Option I or Option II may be used for Types I and IV separators except when a specific option is called for in the plans.

3. For all separators provide 1/2”- 1” contraction joints at 10’ centers (max.). Contraction joints adjacent to concrete pavement on tangents and flat curves are to match the pavement joints with intermediate joints not to exceed 10’ centers.

4. Separators having widths of 4’-8” or 8’-6” shall be paid for under the contract unit price for Concrete Traffic Separator (Type I or Wide). LF. Separators having widths other than 4’-8” or 8’-6” shall be detailed in the plans as special separators and paid for under the contract unit price for Concrete Traffic Separator (Special);

ROADWAY INSTALLATIONS
TYPICAL SECTION THRU TRAFFIC SEPARATOR
(Bridge Deck Shown, Approach Slab Similar)

- Bars 4A (Typ.)
- Bridge Deck or Approach Slab
- Bars 4B @ 1 1/2" O.C. (Max.) (Typ.)
- Cover Mix (Typ.)
- Construction Joint
- Riding Surface

REINFORCING STEEL OPTION A

TYPICAL SECTION THRU TRAFFIC SEPARATOR
(Bridge Deck Shown, Approach Slab Similar)

LONGITUDINAL SECTION THRU TRAFFIC SEPARATOR AT NOSE
(Bridge Deck Shown, Approach Slab Similar)

REINFORCING STEEL OPTION A

DETAIL AT EXPANSION JOINTS
(Strip Seal Shown, Other Armored Joint Types Similar)

DETAIL AT POURRED JOINT WITH BACKER ROD EXPANSION JOINTS

BRIDGE INSTALLATIONS - TYPE "F" CURB
CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

BARS 4G See Note
BARS 4A Length as required

BARS 4A & 4E Bar 4B

Note:
Length of Bars 4E is 2'-5" for 4'-0" Separator.
Length of Bars 4E is 4'-5" for 6'-0" Separator.
Length of Bars 4E is 6'-11" for 8'-6" Separator.

REINFORCING STEEL OPTION A

BARS 4C See Note
BARS 4A Length as required

BARS 4A & 4C Bar 4D

Note:
Length of Bars 4C is 2'-4" for 4'-0" Separator.
Length of Bars 4C is 4'-2" for 6'-0" Separator.
Length of Bars 4C is 6'-10½" for 8'-6" Separator.

REINFORCING STEEL OPTION B

ALTERNATE REINFORCING STEEL DETAILS (WELDED WIRE REINFORCEMENT)

OPTION A: Use Welded Wire Reinforcement 3 x 4 - W5.0 x W6.7 as required by plans in lieu of Bars 4A, 4E, and 4E. Bend the Welded Wire Reinforcement to the dimensions shown in the Bending Diagram for Reinforcing Steel Option A.

OPTION B: Use Welded Wire Reinforcement 3 x 4 - W5.0 x W6.7 as required by plans in lieu of Bars 4A and 4C. Bend the Welded Wire Reinforcement to the dimensions shown in the Bending Diagram for Reinforcing Steel Option B.

Note: Welded Wire Reinforcement shall conform to ASTM A855.

ESTIMATED TRAFFIC SEPARATOR QUANTITIES

CONCRETE:

<table>
<thead>
<tr>
<th>Type</th>
<th>Width of Separation</th>
<th>Type &quot;E&quot;</th>
<th>Type &quot;F&quot;</th>
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</thead>
<tbody>
<tr>
<td>4'-0&quot;</td>
<td>Width = 0.056 CY per Ft.</td>
<td>= 0.072 CY per Ft.</td>
<td></td>
</tr>
<tr>
<td>6'-0&quot;</td>
<td>Width = 0.089 CY per Ft.</td>
<td>= 0.112 CY per Ft.</td>
<td></td>
</tr>
<tr>
<td>8'-0&quot;</td>
<td>Width = 0.156 CY per Ft.</td>
<td>= 0.164 CY per Ft.</td>
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</table>

NOTE: Type "E" Type "F"

<table>
<thead>
<tr>
<th>Width</th>
<th>Type &quot;E&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>4'-0&quot;</td>
<td>0.680 CY</td>
</tr>
<tr>
<td>6'-0&quot;</td>
<td>0.293 CY</td>
</tr>
<tr>
<td>8'-0&quot;</td>
<td>0.493 CY</td>
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</table>

REINFORCING STEEL:

(All quantities are based on an 8½" slab.)

OPTION A:

<table>
<thead>
<tr>
<th>Width</th>
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</thead>
<tbody>
<tr>
<td>4'-0&quot;</td>
<td>6.37 Lbs. per Ft.</td>
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<tr>
<td>6'-0&quot;</td>
<td>8.65 Lbs. per Ft.</td>
</tr>
<tr>
<td>8'-0&quot;</td>
<td>10.03 Lbs. per Ft.</td>
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OPTION B:

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<th>Width</th>
<th>Type &quot;E&quot;</th>
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<tbody>
<tr>
<td>4'-0&quot;</td>
<td>7.77 Lbs. per Ft.</td>
</tr>
<tr>
<td>6'-0&quot;</td>
<td>7.00 Lbs. per Ft.</td>
</tr>
<tr>
<td>8'-0&quot;</td>
<td>8.45 Lbs. per Ft.</td>
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</table>

DRAINAGE JOINT DETAIL FOR 5" OPENING OR LESS

See Structures Plans, Superstructure Sheets for location(s) of drainage joints. Locations for drainage joints shall be limited to the consistent width section of the separator.

NOTES:

CONCRETE: See General Notes in Structures Plans.

REINFORCING STEEL: Reinforcing Steel shall be ASTM 404 Grade 60.

PAYMENT: Separators having widths of 4'-0", 6'-0", and 8'-0" shall be paid under the contract unit price for Traffic Separator Concrete (Type II or V) / L" Wide), LF Separators having widths other than 4'-0", 6'-0", or 8'-0" shall be detailed in the plans as special separators and paid under the contract unit price for Traffic Separator Concrete (Special) / L". ST.

TRAFFIC SEPARATOR CONSTRUCTION: The Contractor may construct the separator by the use of stationary removable forms or by the use of slip forms without altering the separator dimensions shown. See Figure 4-18 for standard sizes of slip forms. For slip forms, provide ¼" x 4" grooves at 30'-0" centers (max.) equally spaced between expansion joints, and/or drainage joints.

BRIDGE INSTALLATIONS - TYPE "E" AND "F" CURBS

Adhesive Bonding Material System

Dowel/Bar 4D

Hole diameter to meet adhesive bonding material system manufacturer's requirements

Dowel Notes:

1. Shorten Dowel Holes to clear if existing reinforcement is encountered.

2. Provide and install an adhesive bonding material system in accordance with Sections 416 and 937 of the Specifications.