LONGITUDINAL SECTION (NOSE)  
TRANSVERSE SECTION  

**TYPE II - CONCRETE TRAFFIC SEPARATOR**

[Diagram of Type II Concrete Traffic Separator]

**TYPE V - CONCRETE TRAFFIC SEPARATOR**

[Diagram of Type V Concrete Traffic Separator]
Notes:

1. Traffic Separator transverse reinforcement adjacent to deck expansion joints shall be field adjusted to maintain clearance and spacing. Bars shall be field cut as shown. Bars may be rotated to maintain clearance.

2. Traffic Separator ends at deck expansion joints shall follow the deck joint limits. Drainage joints and V-Grooves shall be placed perpendicular or radial to the E of the Traffic Separator. See Structures Plans, Superstructure and Approach Slab Sheets for details.


4. Option II is not permitted on bridge decks with prestressing steel.

5. Bar Spacing:
   - 4'-0" @ 7 equal spaces (continuous)
   - 6'-0" @ 5 equal spaces (continuous)
   - 8'-0" @ 3 equal spaces (continuous)

6. At the Contractor’s option, a one piece bar may be substituted for bars 4B and 4E.

7. Field bend and cut rebar as required to maintain cover.

**Notes:**

- Traffic Separator transverse reinforcement adjacent to deck expansion joints shall be field adjusted to maintain clearance and spacing. Bars shall be field cut as shown. Bars may be rotated to maintain clearance.

- Traffic Separator ends at deck expansion joints shall follow the deck joint limits. Drainage joints and V-Grooves shall be placed perpendicular or radial to the E of the Traffic Separator. See Structures Plans, Superstructure and Approach Slab Sheets for details.

- Option II is not permitted on bridge decks with prestressing steel.

- Bar Spacing:
  - 4'-0" @ 7 equal spaces (continuous)
  - 6'-0" @ 5 equal spaces (continuous)
  - 8'-0" @ 3 equal spaces (continuous)

- At the Contractor’s option, a one piece bar may be substituted for bars 4B and 4E.

- Field bend and cut rebar as required to maintain cover.

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**Traffic Separator (Typ.)**

**DETAIL AT Poured Joint WITH BACKER Rod Expansion Joints**

**DETAIL AT Expansion Joints**

**SKEWED BRIDGE DECK AND Approach Slab WITH Traffic Separator**

(Deck Expansion Joint at Begin or End Bridge Shown, Expansion Joint at E Pier or Intermediate Bents Similar)

**Bridge Installations - Type "E" Curb**

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Notes:
1. Treatment of separators on straight bridges shown. For additional notes and treatment of separators on skewed bridges, see Sheet 2.
2. Option II is not permitted on bridge decks with prestressing steel.
3. Bar Spacing:
   - 8'-6" @ 7 equal spaces (continuous)
   - 6'-0" @ 5 equal spaces (continuous)
   - 4'-0" @ 3 equal spaces (continuous)
4. At the Contractor’s option, a one piece bar may be substituted for Bars 4B and 4E.
5. Field bend and cut rebar as required to maintain cover.

Traffic Separator (Typ.)

EXPANSION JOINTS

LONGITUDINAL SECTION (NOSE)

OPTION I

TRANSVERSE SECTION

EXPANSION JOINTS

LONGITUDINAL SECTION (NOSE)

OPTION II

TRANSVERSE SECTION

DETAIL AT EXPANSION JOINTS

DETAIL AT POUR JOINT WITH BACKER ROD EXPANSION JOINTS

Traffic Separator (Typ.)

Poured Joint With Backer Rod Expansion Joint
(See Expansion Joint Details)

PREVENTING SPACING AND CLEARANCE PROBLEMS

REINFORCING STEEL

(Bridge Deck Shown, Approach Slab Similar)
**CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS**

1. All dimensions are out to out.

2. The 8" vertical dimension shown for Bars 4B and 4D are based on a slab 8½" thick or greater without a wearing surface. If slab thickness is less than 8½", decrease this dimension by an amount equal to the difference in thickness. If a wearing surface is to be provided, increase this dimension by an amount equal to the wearing surface thickness.

**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 constant width section of separator.

**DOWEL NOTES:**

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

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

3. The dowel hole diameter is to meet adhesive bonding material system manufacturer’s requirements.

**DOWEL DETAIL**

See Note 3

3. The dowel hole diameter is to meet adhesive bonding material system manufacturer’s requirements.