TYPICAL SECTION THRU STRIP SEAL EXPANSION JOINT

(Intermediate Supports and Steel Girder Bridge similar. Reinforcing Steel and Girder details not shown for clarity.)

SHOP SPLICE DETAIL

GENERAL NOTES:

1. Furnish Strip Seal Expansion Joint Systems in accordance with Specification Section 458.
2. Shape of Edge Rail shown is representative. Minor variations depending on manufacturer are permitted.
3. Recess the Edge Rail below the concrete surface in accordance with Specification Section 458.
4. Refer to the Expansion Joint Data Table in the Structures Plans for joint movement and Dimension A.
5. Refer to Specification Section 458 for installation and fabrication requirements.
PARTIAL PLAN VIEW OF SKEWED JOINTS

PARTIAL PLAN VIEW OF NONSKEWED JOINTS

PARTIAL SECTION ALONG Q JOINT

JOINT TREATMENT AT HIGH SIDE OF DECK

(Sidewalk Cover Plate where applicable not shown for clarity)

PARTIAL SECTION ALONG Q JOINT

JOINT TREATMENT AT LOW SIDE OF DECK & HIGH SIDE OF DECK WITH SLOPE ≥ 1%

(Sidewalk Cover Plate where applicable not shown for clarity)

PARTIAL SECTION ALONG Q JOINT THRU TRAFFIC SEPARATOR

UPTURN DETAIL

(TYPICAL AT TRAFFIC BARRIERS AND PARAPETS)
**Raised Sidewalk Detail**

- **Partial Plan View of Nonskewed Joints**
  - Match slope of sidewalk
  - Sleeve anchor spacing - 6" centers Max.
  - Blockout
  - Gutter line
  - Sleeve anchor (Typ.)
  - Field butt joint
  - Sidewalk cover plate
  - Construction joints

- **Partial Plan View of Skewed Joints**
  - Sleeve anchors (Typ.)
  - Expansion joint
  - Field butt joint
  - Gutter line
  - Blockout
  - Sleeve anchor spacing

- **Partial Section Along Q Joint**
  - Sleeve anchor spacing - 6" centers Max.
  - Blockout
  - Gutter line
  - Sleeve anchor (Typ.)
  - Field butt joint (Seal with caulk)
  - Sidewalk cover plate
  - Expansion joint assembly

- **Flush Sidewalk Detail**

- **Strip Seal Expansion Joint**

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*Distance from # Sleeve Anchor to edge of concrete is 2 inches minimum, 3 inches maximum.*

**Design Standards**

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GENERAL NOTES:

1. Furnish and install Poured Joint With Backer Rod Expansion Joint Systems in accordance with Specification Sections 458 and 932 using Type D silicone sealant material.

2. Refer to the Structures Plans, Poured Expansion Joint Data Table for Dim. A @ 70°F.

TYPICAL SECTION THRU JOINT:

- Bridge Deck, Approach Slab, Raised Sidewalk or Traffic Separator
- Poured Joint Material
- Foam Backer Rod (To be sized for opening per Manufacturer's recommendations)
- Form Material (if present) removed to accommodate joint installation
- 

PARTIAL SECTION ALONG Q JOINT:

- Face of Traffic Railing, Post or Parapet
- Poured Joint Material
- Slope Varies
- Construction Joint
- Foam Backer Rod
- Bridge Deck, Approach Slab or Raised Sidewalk

PARTIAL SECTION ALONG Q JOINT:

- Face of Traffic Railing, Post or Parapet
- Poured Joint Material
- Traffic Separator (Type and width vary, see Structures Plans)
- Angle Varies
- Construction Joint
- Bridge Deck or Approach Slab

PARTIAL SECTION ALONG Q JOINT:

- Face of Traffic Railing, Post or Parapet
- Poured Joint Material
- Upturn
- Slope Varies
- Bridge Deck, Approach Slab or Raised Sidewalk

POURED JOINT WITH BACKER ROD EXPANSION JOINT SYSTEM

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DESIGN STANDARDS

POURED JOINT WITH BACKER ROD
EXPANSION JOINT SYSTEM

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Flux Sidewalk Detail

Partial Plan View of Skewed Joints

Partial Plan View of Non-Skewed Joints

Partial Section Along Q. Joint

Raised Sidewalk Detail

POURED JOINT WITH BACKER ROD

EXPANSION JOINT SYSTEM

NOTE:
Sleeve Anchors are required at the two outside corners of the Sidewalk Cover Plate. Space Sleeve Anchors uniformly between the corner anchors.