TYPICAL SECTION THRU STRIP SEAL EXPANSION JOINT

(Begin or End Concrete Girder Bridge shown, Intermediate Supports and Steel Girder Bridge similar, Reinforcing Steel and Girder details not shown for clarity.)

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.

GENERAL NOTES:

SHOP SPLICE DETAIL

120°

See Note 1

Elastomeric Seal

Weld

Seal

Grind Flush

Grind Flush

Weld

TYPICAL SECTION THRU STRIP SEAL EXPANSION JOINT

(Intermediate Supports and Steel Girder Bridge similar. Reinforcing Steel and Girder details not shown for clarity.)
PARTIAL PLAN VIEW OF SKEWED JOINTS

PARTIAL PLAN VIEW OF NONSKEWED JOINTS & JOINTS SKEWED 6° OR LESS

PARTIAL PLAN VIEW OF NONSKEWED JOINTS

PARTIAL SECTION ALONG Q JOINT

JOINT TREATMENT AT HIGH SIDE OF DECK WITH SLOPE ≥ 2%
(Sidewalk Cover Plate where applicable not shown for clarity)

JOINT TREATMENT AT LOW SIDE OF DECK & HIGH SIDE OF DECK WITH SLOPE < 2%
(Sidewalk Cover Plate where applicable not shown for clarity)

UPTURN DETAIL
(TYPICAL AT TRAFFIC BARRIERS AND PARAPETS)

PARTIAL SECTION ALONG Q JOINT AT FIELD BUTT JOINT LOCATION
(CROWNED DECK OR SLAB SHOWN)

PARTIAL SECTION ALONG Q JOINT THRU TRAFFIC SEPARATOR

FIELD BUTT JOINT (Seal with Caulk)

UPTURN (See Upturn Detail this Sheet)

Anchor Stud (Typ.)

Elastomeric Seal

Expansion Joint Assembly

Concrete Joint

Elastomeric Seal

Expansion Joint Assembly

Concrete Joint

Elastomeric Seal

Anchor Stud (Typ.)
**DESCRIPTION:**

**PARTIAL PLAN VIEW OF SKEWED JOINTS**

- **Expansion Joint Assembly**
- **Seal**
- **Elastomeric Seal**
- **Match skew angle of Joint as required** (Typ.)
- **Front Face of Traffic Railing or Post**
- **Construction Joint**
- **Sleeve Anchor spacing** - 6" centers Max.
- **Blockout**
- **Back Face of Parapet**
- **Sleeve Anchors (Typ.)**
- **Field Butt Joint**
- **Edgerail (Typ.)**
- **Elev. Top edge @ 1/2 Slope & round over bottom edge 1/8" radius (Typ.)**
- **Cap with Caulk**
- **Top of Sidewalk**
- **3/4" Sidewalk Cover Plate**
- **Expansion Joint Assembly**
- **Construction Joint**
- **SECTION A-A**

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

1. Furnish Poured Joint With Backer Rod Expansion Joint Systems in accordance with Specification Section 458 and 932.
2. Submit shop drawings for Sidewalk Cover Plates showing all materials and project specific details and dimensions.
3. Refer to Specification Section 458 for installation and construction requirements.
4. Refer to the Structures Plans, Poured Expansion Joint Data Table for Dim. A @ 70° F.
POURED JOINT WITH BACKER ROD
EXPANSION JOINT SYSTEM

**Design Standards**

**REVISION**

- **Project:** standards structures current release 2014
- **File:** C:\projects\standards\structure current release-2014-21110-2.dgn

**Sections:**

- **PARTIAL PLAN VIEW OF SKewed JOINTS**
- **PARTIAL PLAN VIEW OF NON-SKEWED JOINTS**
- **PARTIAL SECTION ALONG Q JOINT**
- **FLUSH SIDEWALK DETAIL**

**Notes:**

- **NOTE:**
  - Sleeve Anchors are required at the two outside corners of the Sidewalk Cover Plate. Space Sleeve Anchors uniformly between the corner anchors.
  - Construction Joint
  - Foam Backer Rod
  - Bridge Deck or Approach Slab or Raised Sidewalk
  - Dim. A
  - Top of Sidewalk

**Dimensions:**

- **1'-3"**
- **3" Max.**
- **2'-1" Min.**
- **2'-1" Max.**
- **3" Min.**
- **3" Max.**
- **1'-3"**
- **3" Max.**
- **3" Min.**
- **2'-1" Min.**
- **2'-1" Max.**
- **3" Min.**
- **3" Max.**
- **1'-3"**

**Construction:**

- **Pour Joint Material**
- **Slope Varies**
- **Approximate shape of curb face with Poured Joint**
- **Sleeve Anchor (Typ.)**
- **Foam Backer Rod**
- **Bridge Deck or Approach Slab**
- **Construction Joint**

**Traffic Railing:**

- **Front Face of Traffic Railing**
- **Back Face of Traffic Railing or Post or Front Face of Parapet**
- **Sidewalk Cover Plate Length Varies - See Structures Plans for Sidewalk Width and Skew**
- **Sleeve Anchor spacing - 6" centers Max. (See Note)**

**Description:**

- **Flashed Sidewalk Detail**
- **Raised Sidewalk Detail**
- **Poured Joint with Backer Rod**
- **Expansion Joint System**

**Date:**

- **07/01/13**