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.)

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.
**REVISION NO.**

**INDEX NO.**

**DESCRIPTION:**

REVISION LAST DESIGN STANDARDS 2016

**UPTURN DETAIL**

(TYPICAL AT TRAFFIC BARRIERS AND PARAPETS)

**JOINT TREATMENT AT HIGH SIDE OF DECK & HIGH SIDE OF DECK WITH SLOPE < 1%**

(Sidewalk Cover Plate where applicable not shown for clarity)

**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**

**PARTIAL SECTION ALONG Q JOINT AT FIELD BUTT JOINT LOCATION**

(CROWNED DECK OR SLAB SHOWN)

**PARTIAL PLAN VIEW OF JOINTS SKEWED 6° OR LESS**

**PARTIAL PLAN VIEW OF JOINTS SKEWED GREATER THAN 6°**

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

**PARTIAL PLAN VIEW OF NONSKEWED JOINTS**

**PARTIAL PLAN VIEW OF SKewed JOINTS**

**PARTIAL SECTION ALONG Q JOINT**

**JOINT TREATMENT AT HIGH SIDE OF DECK**

(Sidewalk Cover Plate where applicable not shown for clarity)
Strip Seal Expansion Joint

- Expansion Joint Assembly
- Match skew angle of joint as required (Typ.)
- Elastomeric Seal
- Match slope of deck
- Upturn
- Match slope of sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Sleeve Anchor spacing - 6" centers Max.
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
- 1/2 Min.
- Front Face of Traffic Railing or Post
- Back Face of Traffic Railing or Post
- Corner Clip (Typ. all corners)
- Chamfer (Typ.)
- Shop Splice
- Gutter Line
- Blockout
- Match skew angle of Joint as required (Typ.)
- Match slope of Sidewalk
- Sidewalk Cover Plate
- Field Butt Joint
- Shop Splice
- Sleeves Anchor (Typ.)
- Construction Joint
- Bevel top edge @ 1/2 slope & round over bottom edge @ 1/2 radius (Typ.)
- Elastomeric Seal
- Sleeve Anchor (Typ.)
- Field Butt Joint (Seal with Caulk)
- 3" Sidewalk Cover Plate
- 3" Max.
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.
PARTIAL PLAN VIEW OF SKEWED JOINTS

Front Face of Traffic Railing
Sleeve Anchors (Typ.)
1/2 Corner Clip (Typ. all corners)
Bridge Deck or Approach Slab

PARTIAL PLAN VIEW OF NON-SKEWED JOINTS

Front Face of Traffic Railing
Sleeve Anchors (Typ.)
1/2 Corner Clip (Typ. all corners)
Bridge Deck or Approach Slab

PARTIAL SECTION ALONG Q JOINT

RAISED SIDEWALK DETAIL

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