PART TRANSVERSE SECTION AT ABUTMENT

**TYPE A1 DIAPHRAGM WITH A RAISED SIDEWALK**

**Note:** Bars shown are #4 bars. Deck reinforcement not shown for clarity.

**SECTION A-A**

- Paving not shown is 5'-0" wide at edge of bridge deck.
- Structural reinforcement slab is used.

**SECTION B-B**

- Paving not shown is 2'-0" wide at edge of bridge deck.
- Structural reinforcement slab is used.

**SECTION THRU SIDEWALK**

- 2'-0" max. @ 1'-6",
- #4 bars as shown.
- 3" x 3" bevel ends at edge of bridge deck.

**CROSS SECTION THRU UNANCHORED MEDIAN**

- Anchor to deck not required for medians > 2'-0".
- ALL MEDIAN SECTIONS ON TOP OF PAVING BLOCK MUST BE ANCHORED.
- Clean all loose material on the deck at the median location prior to median placement using high pressure water or air blasting all free-standing water is removed prior to median placement. New cement is required as per the standard specifications unless the median is poured within 60 days of completing the deck pour.

**CROSS SECTION THRU MEDIAN WITH A JOINT**

- JOINT SEAL DETAIL: See section thru sidewalk for reinforcing details.
- DEFLECTION JOINT DETAIL: See deflection joint detail for reinforcing details.

**NOTES:**

1. Deflection joint detail is parametric for sidewalks using the following criteria:
   - Order structures and slab structures with a raise sidewalk should have a deflection joint in the sidewalk and parapet over the deck for decks greater than 2%.
   - The joint is to be used at the deflection joint as shown.
   - The joint is to be used at the deflection joint as shown in the standards.
   - An approved bond breaker and plate separators may be added.

2. Deflection joint detail is parametric for sidewalks using the following criteria:
   - Order structures and slab structures without sidewalks should have no deflection joints in the parapets.
   - When parapets are poured continuously, the joint is to be used at the deflection joint as shown.
   - An approved bond breaker and plate separators may be added.
   - The joint is to be used at the deflection joint as shown.
   - An approved bond breaker and plate separators may be added.

**DESIGNER NOTES:**

- For extreme deflection points, use #4 bars as shown.
- Use #4 bars as shown for deck pour.
- Use high pressure cleaning to remove all free-standing water.
- Ensure all loose material on the deck at the median location prior to median placement using high pressure water or air.
- Anchor the median to the deck as shown.
- Anchor the median to the deck as shown.

**ANCHORED MEDIAN CURB DETAIL**

- Anchor the median to the deck as shown.
- Anchor the median to the deck as shown.

**SIDEWALK DETAILS**

- 8" min. sidewalk thickness also required.
- 2% cross slope.
- Match bridge x-slope.
- Match bridge x-slope.

**ANCHORED MEDIAN CURB DETAIL**

- Anchor the median to the deck as shown.
- Anchor the median to the deck as shown.

**Elastomeric Compression Joint Seal Detail**

- Various based on joint manufacturer.
- Manufacturer shall label top of seal.

**DECK JOIN DETAIL**

- See section thru sidewalk for reinforcing details.
- Anchor the median to the deck as shown.

**SEAL DETAIL**

- Anchor the median to the deck as shown.
- Anchor the median to the deck as shown.

**ANCHORED MEDIAN CURB DETAIL**

- Anchor the median to the deck as shown.
- Anchor the median to the deck as shown.

**SECTION THRU MEDIAN**

- Anchor the median to the deck as shown.
- Anchor the median to the deck as shown.

**Median and Raised Sidewalk Details**

- Approved:
- Bill Oliva
- Date: 11/16

**STANDARD 17.01**
FLAShING DETAIL FOR NEW
BRIDGES WITH OPEN RAILING

DETAIL A - EDGE OF DECK FLASHING

The edge of deck flashing is for open rail bridges and may be used for rehabilitation or new construction. Contact the region bridge maintenance engineer for the decision on whether or not to use the flashing on new bridges. Detail 1 or detail 2, or a combination of the two, may be used for rehabilitation.

DESIGNER NOTES

The design engineer shall provide concrete surface repair details as needed. Conceptual details are shown on this standard.

NOTES

The edge of deck flashing shall include providing and installing the stainless steel flashing, silicone caulk, and concrete screws. Flashing shall be installed after protective surface treatment applications. Concrete screws shall be 410 stainless steel. Extent flashing to B.F. or adjacent approach. Top of flashing to begin approx. 3/4" below top of deck/slab surface.

The flashing is to be a constant height based on the thinnest slab depth over the bridge length.

REHABILITATION FLASHING DETAIL 1

Detail 1 not to be used if clearance is an issue or if debris is a concern.

The edge of deck flashing shall include providing and installing the stainless steel flashing, silicone caulk, and concrete screws to secure the concrete surface repair.

REHABILITATION FLASHING DETAIL 2

Detail 2 not to be used if clearance is an issue or if debris is a concern.

The edge of deck flashing shall include providing and installing the stainless steel flashing, silicone caulk, and concrete screws to secure the concrete surface repair.

Screws spaced at 1'-0", 3/16" x 1 1/2" (min.) concrete screws spaced at 2'-0". Stagger rows.

Surface repair with 3/16" sawcut, 1/8" x 1/8" concrete screws spaced at 2'-0" each row, stagger rows.

Concrete screws shall be 410 stainless steel.