PART TRANSVERSE SECTION AT ABUTMENT
TYPE A1 DIAPHRAGM WITH A RAISED SIDEWALK
NOTE: PARTS SHOWN ARE FOR THE FT UNIT.
DECK REMOVAL NOT SHOWN FOR CLARITY.

- ** 3" x 3" BEVEL ENDS AT EDGE OF BRIDGE DECK
- ** 5'-0" MIN.

SECTION A-A

SECTION B-B

** 3" 3" BEVEL ENDS AT EDGE OF BRIDGE DECK

NOTE:
- SEE STANDARDS 13.33, 15.56, 19.35 FOR REINFORCEMENT DETAILS
- DETAILS SHOWN ARE FOR GIRDER STRUCTURES. SIMILAR
REINFORCEMENT FOR SLAB STRUCTURES SHALL BE USED
WITH A REMINDER THAT THE TRANSVERSE AND LONGITUDINAL
REINFORCEMENT LAYERS ARE REVERSED.

CROSS SECTION THRU UNANCHORED MEDIAN

- ANCHORAGE TO DECK NOT REQUIRED FOR WIDTHS > 2'-0" EXCEPT
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 AIR PRESSURE
WATER OR ANY EXISTING ALL-TREE SPRAYING WATER.
REMEDIES PRIOR TO MEDIAN PLACEMENT. MEDIAN CEMENT
REQUIRED AS PER 509.3.9.2 OF THE STANDARD SPECIFICATIONS.
MEDIAN IS Poured WITHIN 4 DAYS OF COMPLETING
THE DECK POUR.

- SEE "SECTION THRU MEDIAN" FOR REINFORCEMENT DETAILS.
- DETAILS SHOWN ARE FOR GIRDER STRUCTURES. SIMILAR
REINFORCEMENT FOR SLAB STRUCTURES SHALL BE USED
WITH A REMINDER THAT THE TRANSVERSE AND LONGITUDINAL
REINFORCEMENT LAYERS ARE REVERSED.

CROSS SECTION THRU MEDIAN WITH A JOINT

- SEE "SECTION THRU MEDIAN" FOR REINFORCEMENT DETAILS.
- DETAILS SHOWN ARE FOR GIRDER STRUCTURES. SIMILAR
REINFORCEMENT FOR SLAB STRUCTURES SHALL BE USED
WITH A REMINDER THAT THE TRANSVERSE AND LONGITUDINAL
REINFORCEMENT LAYERS ARE REVERSED.

SECTION THRU SIDEWALK

DEFLECTION JOINT DETAIL

- SEE 512.2.4.3 FOR DECK JOINT DETAIL.
- FOR EXTREME DECK RISING AND 12" CONTINUOUS JOINTS.
THE DECK RISING IS CONTROLLED BY PLASTIC JOINT SEALS.
ACCORDING TO MANUFACTURER'S NOTES.

ELASTOMERIC COMPRESSION SEAT DETAIL

- SEE "SECTION THRU MEDIAN" FOR REINFORCEMENT DETAILS.
- DETAILS SHOWN ARE FOR GIRDER STRUCTURES. SIMILAR
REINFORCEMENT FOR SLAB STRUCTURES SHALL BE USED
WITH A REMINDER THAT THE TRANSVERSE AND LONGITUDINAL
REINFORCEMENT LAYERS ARE REVERSED.

DESIGNER NOTES

- FOR EXTREME DECK RISING AND 12" CONTINUOUS JOINTS.
THE DECK RISING IS CONTROLLED BY PLASTIC JOINT SEALS.
ACCORDING TO MANUFACTURER'S NOTES.

- FOR DEAD LOAD PURPOSES, THE SUPERSTRUCTURE
DESIGNER NOTE ACCOUNT FOR A MAXIMUM 2% DECK SLOPE.

NOTE:
- WHEN PARAPETS ARE Poured CONTINUOUSLY
FROM END TO END, MAX. #4 BARS AT 1'-6" MAX.
ADHESIVE ANCHORS NO. 4 BAR. EMBED 5" IN CONCRETE.

BILL OLIVA

APPROVED:

BUREAU OF STRUCTURES

STANDARD 17.01
PLAN VIEW OF DECK CONTINUITY REINFORCEMENT FOR Prestressed Girder Bridges (Showing typical bar spacing from Chapter 17 tables)

PLAN VIEW OF DECK CONTINUITY REINFORCEMENT FOR Prestressed Girder Bridges Showing Half-Spaces (Showing typical bar spacing from Chapter 17 tables + Half-Space)

LONGITUDINAL CONSTRUCTION JOINT DETAIL
See std. 17.02 for girder superstructures
See std. 24.11 for slab superstructures

DESIGNER NOTES
Details required when width of deck exceeds 50 feet for girder superstructures and 10 feet for slab superstructures. Details should be used for bridges constructed and for other cold joint applications which require the deck. Optional construction joints are to be approved by the engineer.

Joints should be placed at least 6 inches from the edge of the top flange of the girder and interiorly located beneath the median or parapet avoid placing near wheel paths (place at lane lines or in the middle of the lane).

CROSS SECTION THRU DECK (Showing top longt. reinf. location relative to bottom longt. reinf.)

CROSS SECTION THRU EDGE OF DECK (Showing drift groove and concrete sealing for open railings)

CROSS SECTION THRU EDGE OF SLAB (Showing drift groove and concrete sealing for all parapets)

CROSS SECTION THRU EDGE OF DECK (Showing additional overhang reinforcement)

CROSS SECTION THRU EDGE OF DECK (Showing additional overhang reinforcement)

CROSS SECTION THRU EDGE OF DECK (Showing additional overhang reinforcement)

DESIGNER NOTES
• 42° V-Groove required at the edge of deck and slab.
• Refer to standard 40.01 for sealing concrete surfaces.

ANY ORDER TYPE (Concrete or Steel)

NOTES
• Do not apply concrete sealer to top of the top face of parapets, protective surface treatment is only applied süteline to gutterline.

DECK AND SLAB DETAILS

Approved: Bill Oliva
Date: 1-21

STANDARD 17.02
EDGE OF DECK FLASHING

FLASHING DETAIL FOR NEW BRIDGES WITH OPEN RAILING

The use of "Flashing stainless steel" shall include providing and installing the stainless steel flashing, caulk, and concrete screws, and cleaning the edge of the deck prior to attachment of the flashing.

REHABILITATION FLASHING DETAIL 1

The use of "Flashing stainless steel" shall include providing and installing the stainless steel flashing, caulk, and concrete screws, and cleaning the edge of the deck prior to attachment of the flashing.

REHABILITATION FLASHING DETAIL 2

The use of "Flashing stainless steel" shall include providing and installing the stainless steel flashing, caulk, and concrete screws, and cleaning the edge of the deck prior to attachment of the flashing.

NOTES

The use of "Flashing stainless steel" shall include providing and installing the stainless steel flashing, caulk, and concrete screws.

FLASHING TO BE INSTALLED AFTER PROTECTIVE SURFACE TREATMENT APPLICATION

Concrete screws shall be 410 stainless steel.

FLASHING TO BE A CONSTANT HEIGHT BASED ON THE THINNEST SLAB DEPTH OVER THE BRIDGE LENGTH.

PROTECTIVE SURFACE TREATMENT TO BE INSTALLED BEFORE FLASHING.

CAULK SHALL BE NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER.

CAULK ENTIRE LENGTH

Concrete screws and cleaning the edge of the deck prior to attachment of the flashing.

PROVIDING AND INSTALLING THE STAINLESS STEEL FLASHING, CAULK, AND CONCRETE SCREWS, INCLUDING THE ¼" SCREWS USED TO SECURE THE CONCRETE SURFACE REPAIR.

DETAIL 1 OR DETAIL 2, OR A COMBINATION OF THE TWO, MAY BE USED FOR REHABILITATION.

NOTE

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

DO NOT USE FLASHING IF FREEBOARD IS LESS THAN 3" FOR A SLAB BRIDGE.

Edge of deck flashing is for open rail bridges and may be used for rehabilitation of new construction. Contact the design 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.

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

Do not use flashing if freeboard is less than 3" for a slab bridge.

Bill Oliva

Date: 7-21

Standard 17.03