SECTION THRU FORMLINER

**NOTE** STRUCTURAL CONCRETE CAN ONLY BE USED AS A REINFORCING MASONRY UNIT FOR WIRE OR STEEL REINFORCEMENT AS NEEDED TO MAINTAIN MASONRY WALL STRUCTURAL CONSIDERATIONS AS PERMITTED IN THE STANDARDS.

**FORMLINER DETAILS**

**STATE OF WISCONSIN**
**DEPARTMENT OF TRANSPORTATION**
**STRUCTURES DEVELOPMENT SECTION**

**APPROVED:** Bill Oliva
**DATE:** 1/1/87

**STANDARD** 4.01

**FORMLINER DETAILS**

**FORMLINER CONCRETE ON RETAINING WALLS SHALL BE LEVEL.**

**ABUTMENT NOTES**

FORMLINER CONCRETE ON ABUTMENTS AND PIERCIS SHALL BE LEVEL.

FORMLINER CONCRETE ON THE ABUTMENT SHALL BE VERTICALLY ALIGNED WITH THE FORMLINER CONCRETE ON THE FRONT OF THE ABUTMENT.

FORMLINER PATTERN SHALL BE CONTINUOUS ACROSS CONSTRUCTION JOINTS.

**PIER NOTES**

FORMLINER CONCRETE ON PIERS SHALL BE LEVEL.

FORMLINER CONCRETE ON ALL SIDES OF EACH COLUMN SHALL BE VERTICALLY ALIGNED.

FORMLINER PATTERN SHALL BE CONTINUOUS ACROSS CONSTRUCTION JOINTS.

**PARAPET NOTES**

FORMLINER CONCRETE ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPET.
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)

CROSS SECTION THRU EDGE OF DECK (SHOWING TPY GROOVE FOR ALL PARAPET AND RAILING, AND PROTECTIVE SURFACE TREATMENT FOR OPEN RAILINGS)

CROSS SECTION THRU EDGE OF SLAB (SHOWING TPY GROOVE FOR ALL PARAPET AND RAILING, AND PROTECTIVE SURFACE TREATMENT FOR OPEN RAILINGS)

DESIGNER NOTES
- Any groove terminate 1/4" from front face of Abramite components and steel girders. The groove terminate on the face of the Abramite and steel girder or other deck element. Check engineering judgment in determining the appropriate application.

NOTES
- 40" grooves, extend 8" above 1/4" from front face of Abramite components for types A, B, and C. Where 40" grooves are required.
- For open railings, install 1/4" thick protective surface treatment as per the standard specifications.

DECK AND SLAB DETAILS
STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED: Bill Oliva
DATE: 10/1

STANDARD 17.02
**PLAN AT PARAPET**
SLOPED FACE PARAPET

**PLAN AT SIDEWALK**
4 x 1 1/2" PLATE - VERTICAL FACE PARAPET FOR THE IDEAL

**SECTION AT SIDEWALK**
PLAN OF SIDEWALK COVER PLATE WITH SLIP-RESISTANT SURFACE
PLACE SLIP-RESISTANT SURFACE ON THE PAVING SURFACE IN SLOPED AREA ONLY ON SLOP FACE.

**SECTION C-C**

**SECTION A-A**
SLOPED FACE PARAPET
- GALVANIZED PLATE 3/8" x 2 1/2" x 12" LONG FOR SEEKS TO 40 AND 3'-0" LONG FOR SEEKS 2 CLR. ANMM HOLES PER NO. 1 TENSION AS SHOWN.

**VIEW OF PARAPET PLATES FROM ROADWAY**
SLOPED FACE PARAPET
- BLOCK CONCRETE 2" EACH SIDE OF JOINT OPENING
- JOINT OPENING 2", ALLOW SEEN PLUS 1/4"
NOTES
ALL BAR STEEL REINFORCEMENT SHALL BE OUT 2" CLEAR AROUND OPENING.

DESIGNER NOTES
DETAIL SHOWN ARE FOR CAST-IN-PLACE CULVERTS, PRECAST CULVERT DETAIL TO BE DETERMINED.