**FILLER WALLS AT BRIDGE PIER COLUMNS**

**SKETCH OF FILLER WALLS AT SQUARE PIER COLUMNS**

- **Plan**
  - Joint filler (typ.)
  - 1/2" bevel (typ.) square columns

- **Elevation**
  - Adhesive anchored horizontal or vertical bar
  - 1'-0" spacing
  - #4 bars near and far
  - 3'-6" spacing typical

- **End**
  - Ground or shoulder

**SKETCH OF FILLER WALLS AT CIRCULAR PIER COLUMNS**

- **Plan**
  - Joint filler (typ.)
  - 1/4" bevel (typ.) circular columns
  - 2'-3"
  - 9" min.
  - #6 reinforcing steel

- **Elevation**
  - Adhesive anchored horizontal bar
  - 2" x 4" weep hole

- **End**
  - Slope paving
  - Adhesive anchored vertical bars, do not place within 1'-0" of pier columns

---

**FILLER WALLS USING SLOPE PROTECTION HEADER AS FOOTING**

- Reinforcing steel shall be tested according to the current specifications prior to bending. The reinforcing steel shall then be field bent radially to circular piers and parallel to the filler wall. Field bending shall be according to the current specifications. Any damage to the epoxy coating during testing or bending shall be repaired at the contractor's expense.

- Place one 2" x 4" weep hole in each filler wall section. (May be randomly located)

---

**Michigan Department of Transportation**

**Bureau of Highway Development**

**Standard Plan for**

**FILLER WALLS AT BRIDGE PIER COLUMNS**

**Department Director**

**Approved By:**

**Engineer of Delivery**

**Prepared By**

**Design Division**

**Drawn By:**

**Checked By:**

**Approved By:**

**Plan Date**

**Plan Approval**

**Sheet**
FILLER WALLS AT BRIDGE PIER COLUMNS

**FILLER WALLS WITH FOOTINGS - OUTSIDE PIERS**

- **ADHESIVE ANCHORED HORIZONTAL BAR LAYOUT**
  - Reinforcing steel shall be tested according to the current specifications prior to bending. The reinforcing steel shall then be field bent radially to circular piers and parallel to the filler wall. Field bending shall be according to the current specifications. Any damage to the epoxy coating during testing or bending shall be repaired at the contractor's expense.
  - Place one 2" x 4" weep hole in each filler wall section. (May be randomly located)

- **DETAILS FOR FILLER WALL END BLOCK**
  - Use 28" when top of beam element is 34" and 26" when top of beam element is 32"
  - Place one 2" x 4" weep hole in each filler wall section. (May be randomly located)

---

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT

**FILLER WALLS AT BRIDGE PIER COLUMNS**

9-10-2010
2-25-2010
R-55-G SHEET 2 OF 4
FILLER WALLS WITH FOOTINGS - MEDIAN PIERS

SECTION C - C

FILLER WALLS WITH FOOTINGS - MEDIAN PIERS

FILLER WALLS AT BRIDGE PIER COLUMNS

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT

FILLER WALLS AT BRIDGE PIER COLUMNS

9-10-2010  2-25-2010  R-55-G  SHEET 3 OF 4
FILLER WALL EXTENSION

TOP OF FILLER WALL SHALL BE PARALLEL WITH THE PAVEMENT GRADE.

MATERIALS AND LABOR REQUIRED TO CONSTRUCT FILLER WALL END BLOCKS SHALL BE PAID FOR AS FILLER WALL CONCRETE AND ADHESIVE ANCHORING OF HORIZONTAL/VERTICAL BARS, AND SHALL BE ACCORDING TO THE CURRENT STANDARD SPECIFICATIONS.

SEE CURRENT STANDARD PLAN R-67-SERIES WHEN ATTACHING GUARDRAIL TO FILLER WALLS.

ALTERNATE METHODS MAY BE USED TO ANCHOR THE BARS IF APPROVED BY THE ENGINEER.

ALL STEEL REINFORCEMENT BARS AND ADHESIVE ANCHORED HORIZONTAL/VERTICAL BARS SHALL BE EPOXY COATED AND PAID FOR SEPARATELY.

ADHESIVE ANCHORS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION EXCEPT AS MODIFIED ON THIS STANDARD.