**MONOTUBE BALANCED CANTILEVER**

**STRUCTURAL DETAILS**

**10.1-A3-3**

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**REINFORCEMENT RING**

- ¼" COVER SCREWS (TYP.) EQUALLY SPACED AROUND HANDHOLE.
  - 6 SCREWS FOR 6" x 11" HANDHOLE.
  - 4 SCREWS FOR 6"Ø HANDHOLE.

**OFFSET**

- 5" SQUARE HOLE WITH 1½" RADIUS CENTERED THRU SPLICE PLATE (TYP.)
  - CLIP SPLICE AT RADIUS (TYP.)
  - 1¼"Ø HOLE FOR 1¼"Ø BOLT (TYP.)

**THICKNESS**

- ½" REINFORCEMENT RING

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**MODIFIED FALL RESTRAINT**

**BRACKET DETAIL**

- ATTACH EACH VMS SUPPORT BRACKET TO EACH VERTICAL BRACE W4X13Steel WITH AT LEAST TWO ½" BOLTS PER SUPPORT BRACKET. ALL BOLTS SHALL BE ASTM A193 CLASS 2, GRADE B8 OR APPROVED EQUAL.

**NOTE:**

- SAME AS STANDARD PLAN 0-08-20-01, DETAIL A
- BRACKET INSTALLATION ON EXISTING MONOTUBE SIGN BRIDGE FOR PLATE & BOLTING INFORMATION.

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**DETAILS**

- SAME AS STANDARD PLAN G-95.20-01, DETAIL A

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**SECTION**

- SECTION THRU BEAM (10.1-A3-1)

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**SIGN BRIDGE AND STRUCTURES OFFICE**

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**Washington State Department of Transportation**

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**MONOTUBE BALANCED CANTILEVER**

**STRUCTURAL DETAILS 2**...