(1) Portable concrete barriers shall be furnished by the contractor and paid for as Item 606.41741 (see standard no. DL-1 of NHDOT Standard Plans for Road Construction). The intervals along top and/or one foot down the side of portable concrete barrier, subsidiary structural tubing to barrier. Radial layout, shall be shimmed with 8" x 8" x " plates & fender washers to firmly attach 230' minimum radius. Gaps created between structural tubes and concrete barrier, during a bridge work the last barrier unit does not require anchorage.

(2) Portable concrete barrier for traffic control (bridge), Item 606.41741, may be installed with 5 anchors on the traffic side of barrier and 4 on the construction side. Minimum 18" below the roadway surface. Required 1" anchor rods (A36 steel) shall be shimmed with cover plates.

(3) A minimum of two barrier units, with braced joints are required to be placed beyond both ends of bridge deck.

(4) Steel tubes, 6" x 6" x " & 4" x 4" x " shall be ASTM A500 Grade B or C. All tubes shall be fabricated in accordance with Section 550. Be galvanized in accordance with Section 550.

(5) Steel tubes, 6" x 6" x " & 4" x 4" x " shall be ASTM A500 Grade B or C. All tubes shall be fabricated in accordance with Section 550. Be galvanized in accordance with Section 550.

(6) A minimum of 2 lifting devices, each with the capacity to lift a mass of 6 tons (minimum), shall be provided to lift barrier unit. These shall be installed to each barrier unit. All lifting devices shall be shimmed with cover plates and fender washers to firmly attach the lifting device to the barrier unit.

Material Notes:
- All reinforcement steel shall be A36 or A572. All steel shall be shimmed with cover plates and fender washers to firmly attach the lifting device to the barrier unit.
- Steel tubes, 6" x 6" x " & 4" x 4" x " shall be shimmed with cover plates and fender washers to firmly attach the lifting device to the barrier unit.
- Steel tubes, 6" x 6" x " & 4" x 4" x " shall be shimmed with cover plates and fender washers to firmly attach the lifting device to the barrier unit.
- Steel tubes, 6" x 6" x " & 4" x 4" x " shall be shimmed with cover plates and fender washers to firmly attach the lifting device to the barrier unit.
- Steel tubes, 6" x 6" x " & 4" x 4" x " shall be shimmed with cover plates and fender washers to firmly attach the lifting device to the barrier unit.

General Notes:
- All reinforcement steel shall be shimmed with cover plates and fender washers to firmly attach the lifting device to the barrier unit.
- All reinforcement steel shall be shimmed with cover plates and fender washers to firmly attach the lifting device to the barrier unit.
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PORTABLE CONCRETE BARRIER - BRACED (2 OF 2)

**STATE OF NEW HAMPSHIRE**
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN

**BRIDGE NO.**
**TOWN**
**LOCATION**
**STATE PROJECT**
**BRIDGE SHEET**
**OF FILE NUMBER**
**TOTAL SHEETS**

**CHECKED DATE**
**DRAWN DATE**
**QUANTITIES CHECKED DATE**
**REVISIONS AFTER PROPOSAL REV. DATE**
**ISSUE DATE**
**SCALE**
**SUBDIRECTORY**

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**PORTABLE CONCRETE BARRIER - BRACED (2 OF 2)**

**MINIMUM REQUIREMENTS**

- Minimum 2 braced concrete barrier units required beyond bridge work area for speeds greater than 45 MPH (TYP).
- Minimum 1 braced concrete barrier unit required beyond bridge work area for speeds ≤ 45 MPH (TYP).

**Anchorage Details**

- Anchorage details shall be provided to ensure proper installation of the barrier system.

**Structural Tubing Details**

- Scale: 1" = 1'-0"
- Details include inside and outside connections, hole sizes, and plate sizes.

**Barrier & Structural Tubing Sections**

- Scale: 2" = 1'-0"
- Sections include both with and without shims.

**Transition Joint Details**

- Transition joint details for curved alignments.
- Joint details include typical section and elevations.

**Transition Key Elevations**

- Scale: 2" = 1'-0"
- Key elevations provide details for the transition joint.

**Plan + Barrier Layout**

- Layout includes barrier and structural tubing details.

**Table - Barriers & Tubing Details**

- Table provides specifications for various components such as plates, rods, and nuts.

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**NOT TO SCALE**