Framed or drilled 1 (25) hole
Concrete constant-slope
parapet or wingwall

Steel connector plate
for constant-slope

½ (M20) bolts

Thrie beam end
shoe bolted to
parapet or wingwall

Steel connector plate
for constant-slope

Plan

12'-6" (3.81 m) Two sections of thrie beam,
one set inside the other
6'-3" (1.91 m) Single section of thrie beam
6'-2" (1.88 m) Single transition section
of thrie beam
12'-6" (3.81 m) Single section of w-beam
when no curb is present within this limit.

Elevation

24 (610) min.

Steel bearing plate

Pay limits of TRAFFIC BARRIER TERMINAL, TYPE 6 (1 each)

Bridge approach curb, see plans for details.

11 - 6'-0" (1.83 m) W6x9.0 (W150x13.5) Steel posts

GENERAL NOTES
See Standard 630001 for details of guardrail not shown.

Thrie beam rail shall be bolted to block-out at all posts.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V/H).

All dimensions are in inches (millimeters) unless otherwise shown.

TRAFFIC BARRIER TERMINAL, TYPE 6

STANDARD 631031-17

Date

1-1-21

Revisions

Added Detail A and revised plate dimensions on sheet 4.

1-1-20

Revised F-Shape to constant slope parapet and added steel connector plates. Added two posts and revised post length.

Sheet 1 of 4
Five % (M20) anchor bolts secured with chemical adhesive and five standard washers. After tightening, cut the anchor bolts flush with the nuts, and damage the nuts to prevent them from loosening.

Pay limits of TRAFFIC BARRIER TERMINAL, TYPE 6 (1 each)

Approach curb, see plans for details.

12'-6" (3.81 m) Single section of w-beam when no curb is present within this limit.

21'-0" (6.35 m) Single section of w-beam when no curb is present within this limit.

PLAN

Concrete structure

11 - 6'-0" (1.83 m) W6x9.0 (W150x13.5) Steel posts

24 (610) min.

all posts

Wood Blockout

SECTION B-B

Slope 1:8 or flatter

W6x9.0 (W150x13.5) Steel post, typ.
1. (25) Dia. holes (typ.)

2. 1x2 (25x53) slotted holes (typ.)

3. 3x3 1/4 (19x64) slotted holes (typ.)

**THREE BEAM END SHOE DETAIL**

**POSTS 1-11 WOOD BLOCKOUT DETAIL**

(See Standard 630001 for post 13-17 blockouts.)

**POST 12 WOOD BLOCKOUT DETAIL**

**TRANSITION SECTION**

(10 gauge (3.4) rail element)

**PARAPET STEEL BEARING PLATE DETAIL**

(See each individual 5x5x5/8 (125x125x16) steel plates with centered 1 (25) holes may be substituted for the plate shown.)

**TRAFFIC BARRIER**

TERMINAL, TYPE 6

STANDARD 631031-17
STEEL CONNECTOR PLATE FOR CONSTANT SLOPE

CONNECTOR PLATE DIMENSION
(PER ASSEMBLY)

<table>
<thead>
<tr>
<th>PLATE</th>
<th>QUANTITY</th>
<th>SHAPE</th>
<th>SIZE \text{A} \times \text{B} \times \text{C} \times \text{D} \times \text{E}</th>
<th>THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>1</td>
<td>📦</td>
<td>20 \times 20 (508 \times 508)</td>
<td>(10)</td>
</tr>
<tr>
<td>P2</td>
<td>3</td>
<td>📦</td>
<td>19\frac{1}{2} \times 20 \times 27\frac{3}{4} (492 \times 508 \times 706)</td>
<td>(10)</td>
</tr>
<tr>
<td>P3</td>
<td>2</td>
<td>📦</td>
<td>20 \times 3\frac{3}{8} \times 3\frac{3}{8} \times \frac{1}{4} \times 3\frac{3}{8} (508 \times 95 \times 89.6 \times 6.456)</td>
<td>(10)</td>
</tr>
<tr>
<td>S1</td>
<td>4</td>
<td>📦</td>
<td>18\frac{1}{2} \times \frac{1}{4} \times 26\frac{1}{2} \times 3\frac{1}{2} (465 \times 6.4 \times 673 \times 95)</td>
<td>(10)</td>
</tr>
<tr>
<td>S2</td>
<td>1</td>
<td>📦</td>
<td>19\frac{1}{2} \times 19\frac{1}{2} \times 8\frac{1}{4} \times \frac{1}{4} \times 6\frac{1}{8} (133 \times 44.4 \times 205 \times 10 \times 175)</td>
<td>(10)</td>
</tr>
</tbody>
</table>

Steel connector plate shall be AASHTO M 270 Grade 36 (M 270M Grade 250) steel and galvanized according to AASHTO M 311. All dimensions are in inches (millimeters) unless otherwise shown.

WELDING INSTRUCTION
(Back side of plate shown)

PLATE AND STIFFENER IDENTIFICATION
(Back side of plate shown)

DETAIL A
(Back side of plate P2 as shown for handling purposes.)