

Technical drawing of a bridge transition section. The drawing shows a side view of a tapered pile cap structure. Key dimensions and labels include:

- Overall length: 3'-1 1/2" + 3'-1 1/2" + 6'-3" = 12'-1 1/2"
- Labels: RTM02b, RWT01b, Transition Section **, Lap in direction of traffic, RWM02b, Finish Grade.
- Vertical dimension: 1'-0"
- Right side details:
 - STEEL WASHER FOR 5/8" BOLT
 - Dimensions: 1 1/16", 1 3/4", 9/64", 15/16", 5/8", 9/16", 15/16", As Required.

TRANSITION SECTION*

* Post spacing not to be used for Thrie Beam connection to structures.

** Transition Section Paid

HEX BOLT & NUT
(FBX16a)

- * Post spacing not to be used for Thrie Beam connection to structures.
- ** Transition Section Paid as Thrie Beam

Technical drawing showing the details of a spacer block. The drawing includes three views: FRONT, SIDE, and REAR.

FRONT View: Shows a rectangular block with a total height of 1'-9 1/2". The top section has a width of 2 1/4" and a height of 1 1/8". The bottom section has a width of 1 1/8" and a height of 6 15/16". The total width is 7 5/8".

SIDE View: Shows a rectangular block with a total height of 10" and a width of 5 3/4".

REAR View: Shows a rectangular block with a total height of 10" and a width of 5 3/4". The top section has a width of 2 1/4" and a height of 1 1/8". The bottom section has a width of 1 1/8" and a height of 5 3/4".

The drawing also indicates a W6x12 section and a Scale: 1" = 1'-0".

SECTION THRU
RAIL ELEMENT
(RTM02b)

Slotted Holes
2 1/32" x 1 1/8"

ELEVATION

END SECTION (BUFFER RTE03b
or RTE04b)

Technical drawing of a transition section (RWT01b). The drawing shows a tapered structure with the following dimensions and labels:

- Overall length: $7'-3\frac{1}{2}"$
- Section lengths: $3'-1\frac{1}{2}"$ (left), $3'-1\frac{1}{2}"$ (right)
- Left end dimensions: $2"$ (width), $12\frac{1}{4}"$ (height), $4\frac{1}{4}"$ (width of splice bolt slot), $4\frac{1}{4}"$ (width of post bolt slots)
- Right end dimensions: $20"$ (height), $4\frac{1}{4}"$ (width of post bolt slots), $2"$ (width)
- Internal dimensions: $2"$ Min. (width of splice bolt slot), $2"$ Min. (width of post bolt slots)
- Labels: "Splice Bolt Slot", "Post Bolt Slots", "Post Bolt Slot"
- Notes: "24' x 1/8" (typ.)", "3/4" x 2 1/2" (typ.)"
- Section title: "TRANSITION SECTION (RWT01b)"

5/8" ϕ x 1 1/4" long splice bolts w/nuts

5/8" ϕ x 2" long rail bolts w/nuts & washers

5/8" ϕ x 1 1/2" long post bolts w/nuts & washers

W6x15 Metal guardrail post

Metal spacer block W6x12

14'-0"

75 1/8"

63 1/8"

3/4"

Ground line, shoulder, gutter @ curb or top of sidewalk line

6'-9"

2 1/4"

1 1/8"

5 3/4"

10"

W6x15

FRONT

SIDE

POST DETAIL

Scale: 1" = 1'-0"

SINGLE

SECTION THRU
RAIL ELEMENT

Scale: $1\frac{1}{2}" = 1'-0"$

5/16"

7/32"

5/8"

L

5/8"

1 1/8"

1 1/4"

1 1/16"

Mod. Heavy Hex Nut

1" Dia. x 1/16" Recess both sides

GUARDRAIL BOLTS AND RECESSED NUT

TYPICAL SECTION
METAL GUARDRAIL ON METAL POST
WITH METAL SPACER BLOCK
 Scale: 1" = 1'-0"

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