When rail element is placed adjacent to a tapered surface, use timber wedge 'M' between the concrete and plate 'G'.

1 (M25) Dia. anchor bolt with locknut furnished in place by the Contractor. Place plate washer 'D' under nut. 1 (M25) Dia. anchor bolt with locknut (w/self drilling or expanding anchors).

Splice bolts with washer under nut.

Plate 'R-1'

When an expansion joint exists below the connector, "G" after the 1 (25) bolts are in place.

Splice bolts with washer under nut.

Plate 'R-2'

Plate 'R-3'

See alternate soil plate connection

W6x16 (150x32)

W6x16 (150x32)

W6x25 (150x37.5)

W6x25 (150x37.5)

Traffic Barrier Terminal Type 5R (One each with Rub Rail)

Finish ground line

1 Transition height of barrier terminal up to height of guardrail over length of barrier terminal

Plate 'G' placed between plate 'E' and rail element.

Plate 'E'

Plate 'R-2'

Plate 'R-1'

Rub rail (C6x8.2)

Plate 'R-3'

Traffic

ELEVATION-TRAFFIC BARRIER TERMINAL TYPE 5R

GENERAL NOTES

See Standard B.L.R. 20-7 for details of guardrail not shown.

Install the face of the guardrail flush with the face of the parapet. Install plate washer 'D' so that the 1 (25) projection fills the remainder of the slotted holes in the 1 (25) end plate on plate "G" after the 1 (25) bolts are in place.

* When an expansion joint exists below the connector, bolts shall be provided with locknut or double nut and shall be tightened only to a point that will allow plate G to be free to move.

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

TRAFFIC BARRIER TERMINAL-TYPE 5R

(Sheet 1 of 2)
**Approximate Lengths Field Verify**

- **TREATED TIMBER BLOCKING**
  - **Steel plate**
  - Dia. hole

- **ELEVATION**
  - 8°.38'-32.2"
  - C6x8.2 (150x12)

- **PLAN**
  - Dia. hole
  - 3\(\times\) (25)
  - Steel plate
  - **Dia. hole**

- **END VIEW**
  - 8°.38'-32.2"
  - C6x8.2 (150x12)

**TERMINATE RUB RAIL**

- **Rub Rail C6x8.2 (150x12)**

- **SECTION B-B**
  - Plate washer
  - 6\% (19) Dia. hole in post

- **SECTION C-C**
  - Plate washer
  - 6\% (19) Dia. hole in post

**SPICE PLATE 'R-3'**

- **Class A rail element**
  - Dia. holes

**WEDGE M**

- **PLATE WASHER F**
  - **PLATE WASHER D**
  - **PLATE G**

**TRAFFIC BARRIER**

**TERMINAL-TYPE 5R**

- **STANDARD B.L.R. 20-7**

- Illinois Department of Transportation
- January 1, 2012
- Approved January 1, 2012
- Engineer of Design and Environment
- Issued 1-1-97
- Passed Engineer of Local Roads and Streets