

## 601-R-338 GUARDRAIL BLOCKOUTS

(Revised 06-17-10)

The Standard Specifications are revised as follows:

SECTION 601, AFTER LINE 19, INSERT AS FOLLOWS:

**MATERIALS**

**601.02 Materials**

Materials shall be in accordance with the following:

Rail Accessories, Fittings, and Hardware .....	910.11
<del>Steel</del> Guardrail Posts .....	910.10
Steel Thrie-Beam Rail .....	910.09
Steel W-Beam Rail.....	910.09
Timber Posts and Blocks.....	911.02(f)
<i>Alternate Material Blocks .....</i>	<i>926.03</i>

SECTION 910, LINE 530, INSERT AS FOLLOWS:

**910.11 Guardrail Accessories, Fittings, and Hardware**

These items consist of brackets, splice plates and bars, post anchors, diaphragms, clamps and clamp bars, end caps, connections, anchor rod assemblies, deadmen, bolts, screws, nuts, ~~and~~ washers, *and blockouts* of the type, dimensions, and design shown on the plans. They shall be in accordance with the requirements set out below. Items of the same type shall be interchangeable regardless of the source.

SECTION 910, AFTER LINE 590, INSERT AS FOLLOWS:

8. *Timber blockouts shall be in accordance with 911.02(f). Alternate material blockouts shall be in accordance with 926.03.*

SECTION 926, AFTER LINE 98, INSERT AS FOLLOWS:

**926.03 Alternate Material Guardrail Blocks**

*Non-timber blockouts shall be dimensioned as tested and shall be used with the type of guardrail as tested in accordance with NCHRP 350. Blockouts shall be accompanied by a certification from the manufacturer stating the blockouts furnished have the same chemistry, mechanical properties, and geometry as those certified to have passed the NCHRP 350 crash test and have been certified by the Federal Highway Administration to be acceptable for use on NHS facilities.*

*Alternate material blockouts meeting the criteria may be used interchangeably with timber blockouts as long as the line and grade of the face of the guardrail is true to that shown on the plans.*

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