

04/07/09

SSD: 09/01/05

SPECIAL ATTENTION

SECTION 606 – GUARDRAIL

W-BEAM RAIL

The NH Department of Transportation has adopted the standard height for new placement of w-beam guardrail to be **30 inches**, revising the 700 mm (27.5 inches) presently shown in the GR sheets of the Standard Plans.

There may be situations where standard beam guardrail, set at 30 inches high, will need to be connected to beam guardrail terminals that have only been crash tested at 27 inches high or bridge approach units that are designed at 27 inches high. This may reflect an existing or new installation. Similarly, new standard beam guardrail may be connected to existing beam guardrail that is not at the 30 inch height. In those circumstances transition the height over 50 feet of the standard rail that is connected to the terminal or bridge approach unit (transition shall be subsidiary to 606 Items).

Set the EAGRT heights according to the manufacturer's recommendation, as approved under the NCHRP 350 criteria. The ELT, MELT, and the CRT have only been tested at 27-inch height.