Expansion Anchors for Bridge Mounted Signs

Threaded stud bolts must be used when using expansion anchors to attach bridge mounted signs on concrete structures. Headed bolts must not be used in place of threaded stud bolts.

The reason for this is that the use of the headed bolt gives questionable results, as there is no way of confirming whether the expansion anchor has been firmly seated in the concrete, or if it has merely cinched up against the mounting bracket.

For additional information relative to expansion anchors, and for a list of expansion anchors that have been approved by the Transportation Laboratory refer to Bridge Construction Memo 135-5.0.