

Temporary Traffic Barriers:

Concrete deck slabs supported by concrete or steel beams/girders: The attachment of traffic barrier service parapet (single face or double face) to the concrete bridge deck shall be by means of bolting through the full depth of the deck slab. Adhesive anchors may be used provided that the temporary barrier will be in service for less than one year. (Restrictions deleted.)

Prestressed or reinforced concrete slab spans: The attachment of traffic barrier service parapet (single face or double face) to the concrete slab may be made with adhesive anchors provided that the temporary barrier will be in service for less than one year.

Permanent Parapets/Rail Posts/Barriers:

The use of adhesive anchors to attach permanent parapets, rail posts, barriers, etc. to the concrete bridge deck shall not be permitted.

Tunnels:

The use of adhesive anchors in the support of tunnel ceiling panels is not permitted.

Other Bolting Attachments:

Other attachments (e.g., fencing) to bridge superstructure concrete shall normally be with the use of embedded threaded inserts and mechanical anchors.

Slip Forming:

Slip forming of parapets will not be permitted in the regions where embedded anchorages are indicated in the plans.

Exceptions/Waivers:

Request for variance to the above noted guidelines will require approval by the State Structure and Bridge Engineer. The request shall be in writing, shall include all pertinent information as to why an adhesive anchor system is the only viable solution and shall indicate why the standard cannot be met.

If the waiver is for exceeding the construction time, the waiver shall indicate what mitigation efforts will be recommended, for example, pull out test(s), etc.

CC: Chief Engineer
Chief of Systems Operations
Traffic Engineering Division Director
Asset Management Division Director
District Construction Engineers
District Maintenance Engineers
District Structure and Bridge Engineers
Regional Traffic Engineers
Residency Administrators
Smart Traffic Center Mangers
Structure and Bridge Program Managers
FHWA Division Bridge Engineer