



Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Stephanie Pollack, MassDOT Secretary & CEO
Steve Poftak, General Manager



DESIGN DIRECTIVE

To: Distribution

From: Erik Stoothoff, P.E. *EJS*
Chief Engineer

Date: May 5, 2020

RE: Concrete Anchors

Concrete anchors in new construction shall be set by template and cast-in-place. Post-installed concrete anchoring systems including expansion anchor, drop-in anchor, sleeve anchor, drive anchor, screw anchor, adhesive anchor, grouted anchor, and other similar systems shall be reserved for installations within existing construction only.

In the event that conditions warrant deviation from this directive, the Engineer of Record shall submit a request for a waiver to the Chief Engineer. The request shall include the following:

1. A detailed narrative which identifies:
 - a. The location and application of use.
 - b. Why the use cast-in-place anchors is not feasible.
 - c. How the use of post-installed anchors will achieve equal or better long-term performance cast-in-place anchors.
 - d. How the installation will avoid damaging steel reinforcement or other embedded items.
 - e. How the MBTA will benefit from the use of post-installed anchors in lieu of cast-in-place anchors.
2. Engineering drawings including plans, elevations, and sections as necessary to detail the complete installation.
3. Product specifications for the proposed anchoring system.