



Structures Engineering Instructions (SEI)

Distribution: Structures, Bureau Chiefs, Chief of Contract Admin., Consultants

Approved: _____ **Date:** 1/23/2019
Kristin M. Higgins,
Structures Program Manager

Subject: **Drilling of Anchor Bolts at Piers**

Administrative Information:

Effective Date: This SEI shall be considered effective for the Structures Section from the date of approval.

Superseded SEI: None.

Exceptions: None.

Disposition of SEI Content: The technical information transmitted by this SEI will be incorporated into the next revision of the Structures Design Manual.

Purpose:

There have been issues with damage to primary reinforcing steel when drilling holes for anchor bolts at bearing locations. Many pier types have large amounts of reinforcing steel near the top face, and drilling in anchor bolts has significant risk. The purpose of this SEI is to provide guidance to Structures Section Engineers and Consultants on how these anchor bolts should be set.

Technical Information:

Structures will no longer allow the Contractor to drill and grout anchor bolts at pier locations. The following note shall be included in the plans for projects that have bearings at pier locations:

All anchor bolts at piers shall be set by template before concrete is placed. No drilling will be allowed. All costs associated with this shall be included in the appropriate bearing item

This note does not dictate whether these anchor bolts are cast into the concrete or a sleeve is provided to allow for some flexibility in the exact location of the anchor bolt after casting.

Implementation:

The content of this SEI will be implemented immediately on all projects with pier bearings.

Transmitted Materials:

No supplemental materials are transmitted with this SEI.