

Revision Log for Soil Nail Walls

Implementation Date: January 2026

- To align with the updated *Foundation Reports for ERS* module, the Reporting section was updated to include:
 - Reporting specifics for the Analysis and Design section of the PFR and FR.
 - Reporting specifics for the Recommendations section of the PFR and FR.
- Removed Geotechnical Design Practice, Project Initiation, and Literature Review sections to be consistent with other modules.
- Editorial updates to the Investigations section to achieve consistency among all design modules.
- Removed specifics from the Seismic Global Stability section and refer to the *Seismic Design for Earth Retaining Systems* module.

Implementation Date: November 2021

- Changed “Factored Facing Resistance” to “Unfactored Tensile Force at Soil Nail Head”, as requested by Structure Design to provide clarity to structure designers.

Implementation Date: January 2021

- Updated web links to referenced articles.
- Updated Notes for Specifications section to refer to the new Geotechnical Notes for Specifications module.
- Added nSSP to be sent to the Specification Engineer - apply $3 \times$ nominal pullout resistance (Test Load) on verification test soil nails.
- Corrected minimum soil nail length to 15 feet in the Example section.

Implementation Date: February 2020

- Updated the status of Bridge Design Aids 3-9 by removing “to be published” and provided the link to the published BDA 3-9.
- Revised the instructions for SSP Section 46-3.01D(2)(b)(ii)(3): Two Percent of Total Number of Production Soil Nails, to clarify that the specifications engineer is responsible for entering this value in the SSP, not the geotechnical designer.

Implementation Date: January 2020

- Added DES Design Processes for soil nail walls following Bridge Design Aids (BDA) 3-9 that clarify the communication protocol and responsibilities among Geotechnical Design and Structure Design.
- Added “Soil Nail Length: At least 15 feet” under Typical Design Configuration section.



- Changed to “Nominal pullout resistance Q_b ” from “Nominal pullout resistance Q_d ” to reflect the changes made in Caltrans Standard Specifications.

Implementation Date: April 2017

- First Version