

VERMONT AGENCY OF TRANSPORTATION SUPPLEMENTAL REQUIREMENTSⁱ

Introduction

The Vermont Agency of Transportation (VTrans) maintains a list of approved proprietary retaining wall systems. The list includes both precast concrete and mechanically stabilized earth (MSE) types of retaining walls. This list, that was updated July 6, 2020, is available on the VTrans website, under Geotechnical Engineering, at <https://vtrans.vermont.gov/highway/construct-material/geotech/engineering>. Retaining wall vendor submittal requirements for requesting approval are stated in VTrans Policy on Earth Retaining Structures.

The bulk of the items listed on the VTrans initial system approval request documentation are contained in an IDEA report. However, there are some additional requested, which are not listed on the IDEA protocols (available at <https://www.geoinstitute.org/special-projects/idea>). A retaining wall supplier with an IDEA report should supplement their report with the additional, specific items that VTrans requires listed below; in an initial documentation submittal.

This listing is based upon the VTrans Policy on Earth Retaining Structures dated November 1995. VTrans should contact the IDEA webmaster and update their report when their policies, etc. change. This supplemental requirements report is readily updateable, and a revision number and date should be noted.

Information that is identical to, and therefore redundant to, IDEA protocol listed items is not listed in this supplemental requirements report. However, items under a topic that the agency requests which are more specific or detailed than the IDEA protocol are listed. The wall system supplier submittal may address this in their supplemental information or, if fully addressed in their IDEA submittal, refer to their IDEA report.

Supplement Items

1. General System Information
 - System theory and its derivation
 - Laboratory and field experimentation which support the theory
 - Practical applications with descriptions and photographs
 - Limitations and disadvantages of the system
2. Typical unit costs, supported by data from actual projects.
3. Complete sets of plans from at least three previously constructed projects.
4. Documentation to support the proprietor's ability to meet production requirements of the various wall components.

ⁱ Report Ver 1, December 2020.