

MONTANA DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL REQUIREMENTSⁱ

Introduction

The Montana Department of Transportation (MTDOT) does not utilize or maintain lists of approved mechanically stabilized earth (MSE) and gravity retaining wall systems. Wall vendors must meet the requirements of the special provision applicable to specific projects. Example MTDOT special provisions for MSE walls and big-block gravity walls were reviewed to develop this IDEA supplemental requirements report. The special provisions are available at https://www.mdt.mt.gov/business/contracting/geotech_specials.shtml.

Submittal Requirements

There are no “supplemental requirements” for an IDEA report submitted to MTDOT since the state does not utilize or maintain lists of approved mechanically stabilized earth (MSE) and/or gravity retaining wall systems.

Wall vendors must meet the project-specific special provisions and have a Professional Engineer licensed in Montana sign and seal the drawings and calculations. The calculations and drawings must be submitted to MTDOT; and work on the wall cannot begin until the submittal requirements are satisfied and found acceptable to the Department. Note that no adjustments in contract time will be allowed due to incomplete submittals.

A wall system IDEA report, as part of a project specific submittal, would provide documentation and support on the following submittal items:

- Design in accordance with AASHTO LRFD Specifications for Highway Bridges
- Design life of structure
- Specifications of soil reinforcement and connection materials
- Check of vendor-specific computer design program
- General notes for constructing the wall including construction sequencing, wall excavation, foundation preparation, wall erection, backfill placement, and any other special construction requirements.

MTDOT should contact the IDEA webmaster and update this report if/when their policies, etc. change. This supplemental requirements report is readily updateable, and a revision number and new date should be noted when updated.

ⁱ Report Ver 1, April 2021.