

NEVADA DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL REQUIREMENTSⁱ

Introduction

The Nevada Department of Transportation (NDOT) maintains a list of approved retaining wall systems. Wall vendor submittal requirements for requesting approval are stated in their Acceptance Criteria, Category 642.02.02 MSE Wall – Concrete Panels. Note that in the NDOT Qualified Products List (QPL) that Concrete Panel Wall Systems are listed under 642.02.02 and Segmental Block Wall Systems are listed under 642.02.03. The following listing of supplemental requirements is based upon this acceptance criteria, that is available at <https://www.nevadadot.com/home/showdocument?id=14502>. NDOT 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.

NDOT accepts IDEA reports as a vendor approval request submittal. Their submittal approval process does require some additional or variation of the information listed on the IDEA protocols (available at <https://www.geoinstitute.org/special-projects/idea>). Specifically, NDOT requires submittal of the information listed below to supplement an IDEA report on a particular wall system.

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.

Submittal Requirements for Wall Systems

In addition to an IDEA technical evaluation report, the following items must be submitted.

1. For geosynthetic soil reinforcements: A complete evaluation under the AASHTO National Transportation Evaluation Program (NTPEP) Geosynthetic Reinforcement (REGEO) program, with quality assurance and full qualification reevaluations per the NTPEP REGEO program schedule.
2. Previous System Usage: A minimum of five projects meeting the following: (a) designed in accordance with the AASHTO Bridge Design Specifications; and (b) in service a minimum of three years. Provide a project description, project plan sheets, and current owner contact information for each project.
3. Sample Contract Submittal: For a NDOT provided sample contract plan sheet – Provide a sample construction submittal demonstrating conformance with Department design requirements and construction specifications. Include the following:
 - a. Calculations for internal and external stability
 - b. Corrosion analysis (metallic soil reinforcement)

- c. Calculations and test results for bearing pad
- d. Design calculations for concrete panels
- e. Material designations for soil reinforcement and connection devices/hardware
- f. Typical details for wall panels, soil reinforcement, and connection devices/hardware

ⁱ Report Ver 1, December 2020.