

MISSISSIPPI DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL REQUIREMENTSⁱ

Introduction

The Mississippi Department of Transportation (MDOT) provides an in-house design of retaining walls in their bid plan sets. Walls are specified per MDOT Standard Specifications Section 809 – Retaining Wall Systems. A project specific retaining wall is shown in the plans, or consists of one of the following three wall system types:

- Conventional Cantilevered Gravity Wall,
- Mechanically Stabilized Earth Wall (MSEW), or
- Precast Gravity Wall.

There are no formal approved products list for retaining wall systems. Retaining wall systems shall comply with all material, fabrication and construction requirements found in the Standard Specifications and the project plans. The standard specifications are available at mdot.ms.gov/documents/Construction/Specifications/2017%20Standard%20Specifications.pdf.

If a MSEW System is used on the project, the wall system supplier shall have submitted their system to the Innovations, Development, Enhancement and Advancement (IDEA) programⁱⁱ for review and shall have had a formal evaluation completed for all components of the wall system. Three copies of the system IDEA evaluation report for the chosen MSEW System shall be included with the initial design submittal. Thus, an IDEA report is required for MSEW systems by MDOT.

Acceptable precast gravity wall systems are listed on the project plans; with option for Contractor to propose an equivalent wall system for MDOT review and approval.

Submittal Requirements

There are no “supplemental requirements” for an IDEA report submitted to MDOT, as part of a project-specific submittal. An IDEA report is required for MSEW systems. MDOT does not require an IDEA report for precast gravity retaining wall systems. However an IDEA report would demonstrate a proprietary precast gravity wall type as an equivalent wall system, to those listed on the project specific plans.

MDOT 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, June 2021.

ⁱⁱ Current, 2017 edition, of MDOT Standard Specifications requires a HITEC evaluation report. The IDEA program has replaced HITEC and any new systems reports, and re-evaluation or updates to prior HITEC reports, will be IDEA Evaluation reports.