

TO: All Bridge/Geotechnical Engineers

FROM: David L. Eberhart, P.E.
State Bridge Engineer

CC: Chad Matty (Federal Highway Administration)

DATE: September 16, 2020

RE: ADOT Mechanically Stabilized Earth (MSE) Wall Specification

Purpose

The purpose of this memorandum is to inform all MSE Wall designers and Geotechnical Engineers that the new ADOT stored specification for MSE Wall has been updated by ADOT's Bridge Group and published on the Contracts and Specifications (C&S) website.

Pre-approved MSE Wall systems were previously listed on the Approved Product List (APL). The same pre-approved MSE Wall systems are currently listed on the Bridge Group website, under the Geotech-Services tab:

<https://azdot.gov/business/engineering-and-construction/bridge/guidelines/geotech-services>

The list includes the pre-approved systems, ADOT specific requirements for each wall system, and the system manufacturer.

The Geotech Services website also includes design support documents. The list of documents with a brief description is listed below:

1. New stored specification 929MSEW: A PDF document is available to download. The word document can be obtained from the C&S website by downloading the 2008 Stored Specifications:

<https://azdot.gov/business/contracts-and-specifications/specifications>

2. Figure 929-2.03(A): MSE Wall Compound Stability Search Zone Locations to Verify the Most Critical Failure Case for an MSE Wall with Level Backfill.
3. MSE Wall Design Data Sheet: This sheet shall be filled by the Geotechnical Engineer with some information provided by the Wall Designer, and shall be part of the project plans.