

Designer Note: To compute quantities, use a rate of 5% by weight of soil for water. Check with Materials before using this special provision and the Soils Report for a % of modifier.

SOIL MODIFICATION

Effective: July 1, 1990

Revised: January 1, 2022

This work shall consist of the construction of a modified soil layer as described in Section 302 of the Standard Specifications, except as modified herein.

Revise Article 302.04 by adding:

"The depth of treatment shall be based on proof rolling and soil strength (cone index). Proof rolling shall consist of running a loaded tandem truck over the subgrade."

Revise Article 302.08 by adding the following:

"Mixing. The modifier, soil, and water (if necessary) shall be thoroughly blended by rotary speed mixers. The mixing shall continue until it has been determined by the Engineer that a homogeneous layer of the required thickness has been obtained. A disc harrow may be used to supplement the mixing by the rotary mixer."

Add to Article 302.10 Finishing:

"After adequate compaction is obtained, no construction equipment will be permitted on the finished subgrade for a period of three (3) days, after which only equipment used for grading prior to placement of paving materials will be permitted."

Add to Article 302.09 Compaction:

"A grader to shape the cross slope and smooth the tilled area shall be used prior to compaction."