

(Use this Section when a faster setting CLSM is appropriate and future excavation is not likely. If this RSCLSM specification is used in place of 00442 or used as an additional option for some other backfill application (does not currently reference 00442), be sure to obtain the appropriate Technical Resource's approval to allow this RSCLSM and to modify their specific specification. Document the Technical Resource's approval on the Project Specific Special Provision form.)

SECTION 00443 - RAPID SETTING CONTROLLED LOW STRENGTH MATERIALS

(Follow all instructions and make all edits with "Track Changes" turned on. This Section is not published in the Oregon Standard. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the project, unless the item(s) that are included in the subsection, paragraph, sentence, or bullet are not required on the Project and then they should be deleted. In general do not re-number or re-letter subsections when item(s) are deleted. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Section 00443 is not a Standard Specification and is included in this Project by Special Provision.

Description

00443.00 Scope - This Work consists of furnishing and placing rapid setting controlled low strength materials (RSCLSM).

00443.01 Definition - RSCLSM is flowable mixture of Sand, cementitious materials, water, and additives.

00443.02 Submittals - Provide the following to the Engineer, before using RSCLSM:

- Mix design showing all proportions and additives.
- Time and unconfined compressive strength data using concrete pocket penetrometer from a trial batch or from a previous installation that used a RSCLSM mixture of similar proportioning.

Materials

00443.10 Materials - Furnish Materials meeting the following:

Chemical Admixtures	02040
Supplementary Cementitious Materials	02030
Portland Cement	02010
Rapid Hardening Hydraulic Cement	02011
Water	02020

00443.11 Fine Aggregates - Furnish Fine Aggregates that are commercial quality concrete Sand.

00443.12 RSCLSM Mixture - Furnish a RSCLSM mixture that achieves at least 500 psi, measured by concrete pocket penetrometer, within 5 hours of placement.

00443.13 Acceptance - Acceptance is based on the Engineer's review of the mix design and checked by visual observation and concrete pocket penetrometer after placement.

Measurement

00443.80 Measurement - No measurement of quantities will be made for RSCLSM.

Payment

00443.90 Payment - No separate or additional payment will be made for RSCLSM. Payment will be included in payment made for the appropriate items under which this Work is required.