

SECTION 308
SUBGRADE STABILIZATION

Section 308 of the Standard Specifications is hereby added to this project as follows:

DESCRIPTION

308.01 This work consists of stabilizing the earth subgrade by a mechanical, chemical, or unbound aggregate process in the specified area as shown on the plans or as directed by the Engineer. The material shall be finished to a smooth and uniform surface on which a structural pavement system shall be placed.

DESIGN REQUIREMENTS

308.02 The Contractor shall submit a design to the Engineer for approval prior to construction. Mechanical stabilization and chemical stabilization with cement, fly ash or other chemical agents shall be designed in accordance with CP 26. Lime stabilized subgrade and stabilization with unbound aggregate shall be designed in accordance with the current version of CDOT's Pavement Design Manual.

MATERIALS

308.03 Mechanically stabilized material shall conform to CP 26. Materials used for lime stabilized subgrade shall conform to the requirements of Section 307. Chemical stabilization with cement, fly ash or other chemical agents shall conform to CP 26. Unbound aggregate material shall conform to the requirements of Section 304.

CONSTRUCTION REQUIREMENTS

308.04 Placing. The Contractor shall construct one or more compacted courses of stabilized material in the area specified. The stabilized subgrade shall have uniform density and moisture content and be void of all vegetation and other organic material. The stabilized subgrade shall be well bound for its full depth and width with a smooth surface suitable for placing subsequent courses.

308.05 Mixing. The Contractor shall regulate the sequence of the work to accurately apply the subgrade stabilization technology courses as necessary to meet the above requirements.

308.06 Proof Rolling. After the subgrade has been stabilized, the Contractor shall perform proof rolling in accordance with subsection 203.08. Final proof rolling will take place a maximum of two days after all mechanical stabilization or unbound aggregate work has been completed, unless otherwise approved by the Engineer. Final proof rolling will take place a minimum of two days after all lime or other chemical stabilization work has been completed, unless otherwise approved by the Engineer.

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308.07 Finishing. The finished surface shall be smooth and uniform conforming to the typical sections. Variation from the stabilized subgrade plan elevations specified shall not exceed 0.04 foot. All irregularities, depressions, or weak spots, which develop, shall be corrected at the Contractor's expense. The surface shall be maintained in a smooth condition, free from undulations and ruts, until other work is placed thereon or the work is accepted.

METHOD OF MEASUREMENT

308.08 Stabilized subgrade will be measured by the square yard completed and accepted.

BASIS OF PAYMENT

308.9 The accepted quantities will be paid for at the contract unit price for each of the pay items listed below that appear in the bid schedule. Payment shall include all geosynthetic material, unbound material, processing material, mixing, compaction, and any materials used in curing.

Payment will be made under:

Pay Item	Pay Unit
Cement Treated Subgrade	Square Yard

Overlapped material will not be measured and paid for separately, but shall be included in the work. All proof rolling will not be measured and paid for separately but, shall be included in the work.