SECTION 303 -- SUBGRADE STABILIZATION

303.01 -- Description

1. The Contractor shall complete the following requirements under the "Subgrade Stabilization" bid item:

a. Provide and place soil binder (cohesive soil).

b. Mix soil binder into non-cohesive sand in the upper subgrade.

c. Adjust grade lines to meet intersections, pavements, bridge ends, railroad crossings, or any other physical features designated by the Engineer.

d. Step slopes, if necessary to provide an adequate embankment width and prevent soil erosion.

e. Dispose of surplus excavated or profiled material.

f. Scarify, adjust the moisture, shape, and compact soils as is necessary to conform to the plans.

303.02 -- Material Requirements

1. Soil binder shall conform to the requirements of Section 1034.

2. Soil binder shall be obtained according to the requirements of Subsection 205.02.

303.03 -- Construction Methods

1. The Contractor shall number, label, tally, and prepare a report of quantities and distribution of the materials delivered. A copy of the report shall be given to the Engineer at the end of each day when hauling materials.

2. a. When the grading is complete, the Engineer will determine the quantity of soil binder the Contractor shall provide to stabilize subgrade sand.

b. Soil binder shall be pulverized to the extent that at least 90 percent will pass a 12.5 mm sieve and at least 60 percent will pass a 2.00 mm sieve. The binder shall be pulverized before it is mixed with the other aggregates.

3. a. After the Contractor has thoroughly mixed the soil binder with the subgrade sand, the upper 150 mm of the subgrade shall be compacted to not less than 100 percent of maximum density as determined by NDR T 99. Moisture may be added as necessary to obtain the required density.

b. After the Contractor attains the required density, the stabilized subgrade shall be profiled in accordance with the requirements of Subsection 302.03.

4. In all cut areas and those fill areas graded under a separate contract, correcting faulty subgrade conditions below the 150 mm depth will be performed as "extra work" unless such conditions are caused by the Contractor's operations.

303.04 -- Method of Measurement

1. Water will be measured as described in Subsection 302.04.

2. Soil binder will be measured for payment by the cubic meter when it is delivered. The Contractor shall level the material even with the top of the truck's cargo box to allow accurate volume measurement.

3. a. Subgrade stabilization will be measured in stations of 100 m. Stations shall be measured horizontally along the project centerline between the beginning and ending points. Deductions will be made for all areas not stabilized with soil binder.

b. The work of stabilizing subgrade outside the width shown in the typical cross section in the plans, including intersections and driveways, will be measured for payment in equivalent stations. The number of stations for which payment will be made will be the quotient that is obtained by dividing the surface area of the work outside the typical section by the surface area of one station of the adjacent roadway.

303.05 -- Basis of Payment

1.

Pay Item	Pay Unit
Soil Binder	Cubic Meter (m^3)
Subgrade Stabilization	Station (StaM)
Water	Kiloliter (kL)

2. Payment is full compensation for all work prescribed in this Section.