

Subsection 4.31
Proof Rolling

I. Scope: Proof-roll earthwork, base, or both to locate unstable areas.

II. Equipment

A.Specified Equipment: Furnish rollers that when loaded weigh at least 25 tons. The maximum acceptable load is 50 tons. Provide rollers that meet the requirements of Subsection 4.27.II.D, "Pneumatic Tire Rollers."

B.Alternative Equipment: The Contractor may use alternate compaction equipment that produces results, equivalent to the specified equipment in the same period of time as approved. Discontinue the use of the alternative equipment and furnish the specified equipment if the desired results are not achieved.

III. Construction: Perform proof rolling as directed. Adjust the load and tire inflation pressures within the range of the manufacturer's charts or tabulations, as directed. Make at least 2 coverages with the proof roller. Offset each trip of the roller by at most 1 tire width. Operate rollers at a speed between 2 and 6 miles per hour, as directed. Correct unstable or nonuniform areas, if found, in accordance with the applicable subsection.

IV. Measurement

A. Rolling will be measured by the hour operated on surfaces being tested.

B. Unstable material below elevation shown in specified subsection shall be paid for by the square yard.

V. Payment: The work performed and equipment furnished in accordance with this Subsection and measured as provided under "Measurement" will be paid for at the unit price bid for "Proof Rolling." This price is full compensation for furnishing and operating equipment and for labor, materials, tools, and incidentals.

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