

CITY OF SAN ANGELO
ITEM 210
ROLLING (FLAT WHEEL)

210.1 DESCRIPTION.

This Item shall govern for the compaction of embankment, flexible base, or surface treatments, by the operation of approved power rollers as herein specified and as directed by the City.

210.2 EQUIPMENT.

(1) Embankments and Flexible Bases. Power rollers shall be of the three-wheel, self-propelled type, weighing not less than ten (10) tons and shall provide compression on the rear wheels of not less than 325 pounds per linear inch of tire width. All wheels shall be flat; the rear wheels shall have a diameter of not less than 48 inches, and each shall have a tire width of not less than 20 inches.

210.3 CONSTRUCTION METHODS.

This work shall be done only when directed by the City. Sufficient rollers shall be provided to compact the material in a satisfactory manner. When operations are so isolated from one another that one roller unit cannot perform the required compaction satisfactorily, additional roller units shall be provided.

(1) Embankments and flexible Bases. The embankment layer or the base course shall be sprinkled if directed, and rolling with a power roller shall start longitudinally at the sides and proceed towards the center overlapping on successive trips by at least one-half (1/2) of the width of the rear wheel of the power roller. On superelevated curves, rolling shall begin at the low sides and progress toward the high sides. Alternate trips of the roller shall be slightly different in length. Rolling shall continue until discontinued by the City. The rollers, unless otherwise directed, shall be operated at a speed between two (2) and three (3) miles per hour.

(2) Surface Treatments. Rolling shall be done as called for in surface treatment items. The sequence of work shall be as specified for embankment layer or base course in accordance with Subarticle 210.3.(1) or as directed by the City. The operating speed shall be as directed by the City.

210.4 MEASUREMENT.

When shown on the Plans to be a pay item, this Item will be measured by the actual hours the power roller works as directed by the City.

210.5 PAYMENT.

The cost of furnishing and operating the equipment as prescribed by this Item will not be paid for directly but will be considered subsidiary to the various bid items of the contract, unless this Item is specified as a pay item in the contract.

When flat wheel rolling is specified as a pay item, the equipment furnished and operated in accordance with this item and measured and provided under "Measurement" will be paid for at the unit price bid for "Rolling (Flat Wheel)". This price shall be compensation for furnishing and operating all equipment; and for all labor, fuel, tools and incidentals necessary to satisfactorily perform the work.