ITEM 618 RUMBLE STRIPS ON SHOULDERS

618.01 Description
618.02 Construction of Rumble Strips on Shoulders
618.03 Method of Measurement
618.04 Basis of Payment

618.01 Description. This work consists of grinding depressions (rumble strips) in paved shoulders.

Construct rumble strips according to the Standard Drawings.

618.02 Construction of Rumble Strips on Shoulders. Furnish equipment to grind the depressions with a rotary cutting head that will produce the required dimensions and a pattern of cutting tips to produce a smooth cut with approximately 0.06 inches (1.5 mm) between peaks and valleys. Ensure that the cutting head is on its own suspension system, independent from that of the power unit, to allow the head to align itself with the slope of the shoulder or any irregularities in the shoulder surface. Equip the cutting tool with guides or a guidance system, clearly visible to the operator, to provide for consistent alignment. Take effective measures to control dust during the grinding operation. Remove and dispose of all grinding materials deposited on the roadway pavement in a manner approved by the Engineer and before opening the roadway to traffic.

618.03 Method of Measurement. The City will measure Rumble Strips by the number of feet (meters) or mile (kilometer) as the sum of the lengths of the individual segments. The City will measure lengths along the inside edge of the shoulder, from the center of the first depression in a segment to the center of the last depression in that segment. If Rumble Strips are provided on more than one shoulder, the City will measure lengths separately for each shoulder segment and add the individual lengths together to obtain the total length.

618.04 Basis of Payment. The City will not pay for repairing surface damage and extraneous marks caused by the Contractor's operations.

The City will pay for accepted quantities at the contract prices as follows:

Item	Unit	Description
618	Feet (Meter), Mile (Kilometer)	Rumble Strips, (Asphalt Concrete)
618	Feet (Meter), Mile (Kilometer)	Rumble Strips, (Concrete)