

ITEM 15502.049701 M - PROFILOGRAPH

DESCRIPTION

Under this work the Contractor shall furnish and maintain, for daily use during the paving operations, a computerized California Type Profilograph, or equivalent as approved by the Engineer, to measure the finished pavement surface smoothness.

MATERIALS

The profilograph shall have a recorder capable of graphing a trace of the pavement profile to a scale of 25 millimeters equals 7.5 meters horizontally and true vertical scale. The wheel base of the profilograph shall be 7.5 meters. In addition, the automated unit shall have the following features:

- Capable of adjusting blanking band widths, bump and dip heights in metric and English units.
- Capable of reprinting profiles of the same run with different criteria.
- Data shall be capable of being downloaded and evaluated on an IBM compatible personal computer. Software shall be provided to the Engineer for evaluation of data on the field office computer.

CONSTRUCTION

The Contractor shall furnish chart paper and all necessary supplies for the operation of the profilograph. Also the Contractor shall provide transportation, for the profilograph, on the project site as necessary. While not in use, the profilograph shall be stored under cover, by the Contractor, in a secured storage area.

The profilograph and recorder shall be on the project site and approved by the Engineer before the start of the paving operations.

METHOD OF MEASUREMENT

The Contractor will be paid the lump sum price bid for the profilograph furnished and actually used in accordance with this specification.

BASIS OF PAYMENT

The lump sum price bid, for the profilograph, shall include the cost of furnishing and maintaining the equipment, all necessary supplies, transportation on the project site and storage as required.

Ninety percent payment will be made when profilograph is delivered to the project site and accepted by the Engineer. The remaining ten percent is payable when all profiling is complete.