



DEPARTMENT OF TRANSPORTATION

NEWS

URBAN MASS TRANSPORTATION ADMINISTRATION WASHINGTON, D.C. 20590

FOR RELEASE WEDNESDAY
January 23, 1974

UMTA 12-74
Phone: (202) 426-4034

The U.S. Department of Transportation's Urban Mass Transportation Administration (UMTA) today announced the publication of a research report entitled "Overview of Automatic Vehicle Monitoring Systems." The report is an overview of Automatic Vehicle Monitoring (AVM) systems which automatically determine and make available to a central control point the position of a vehicle or a group of vehicles. AVM systems used in urban applications are based upon four basic techniques: radio propagation time, proximity, dead reckoning, and triangulation. The relative merits of each of these systems is discussed in the report. Test or simulation data and cost information are provided where available.

Potential applications for AVM systems include: transit buses, police vehicles, taxi fleets, delivery services, maintenance services, and other vehicles which are required to be completely responsive. Cost data for several systems are presented. A full list of references and an extensive bibliography is provided.

- more -

Copies of the report may be obtained from the U.S. Department of Commerce's National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22151. The price is \$3.50 per printed copy, 95¢ per microfiche. Orders should include check or money order; the title; and order number PB 223 509.

- 0 -

For further information contact the Urban Mass Transportation Administration, Office of Public Affairs at (202) 426-4043.

DEPARTMENT OF TRANSPORTATION
URBAN MASS TRANSPORTATION
ADMINISTRATION
Washington, D.C. 20590

Official Business

PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
URBAN MASS TRANSPORTATION
ADMINISTRATION
DOT 511

FIRST CLASS

