**Expression of Interest**

The Washington Metropolitan Area Transit Authority (WMATA) is contemplating the installation of an Automatic Wayside Inspection System (AWIS) at strategic locations throughout its rail system to measure, capture, and store data relative to rolling stock truck mounted equipment. The locations and number of AWIS units is yet to be determined. As a minimum, the AWIS system shall be able to identify the rolling stock, truck, axle, and wheel and measure or detect the following:

● Wheel profile

● Wheel flat spot and roundness

● Wheel back to back measurement

● Brake pad thickness

● Brake disk thickness

● Thermal imaging to detect hot wheels, gear boxes, journal bearings,brakes,etc

● Dragging equipment

● High or wide loads (objects protruding outside the dynamic environment)

WMATA is also interested in additional capabilities and features of the AWIS not listed above, e.g., data storage and reporting capabilities to include trend analysis, failure prediction, and automated real-time alerts of critical anomalies.

This procurement will be a turn-key solution whereby the contractor will be responsible for providing the equipment, associated software, data transmission connectivity to WMATA’s network, and installation/configuration.

Interested offerors shall provide information regarding products and services related to delivering an AWIS. WMATA is interested to learn of product offerings such as model numbers and specific capabilities of each model to include the number and type of measurements that can be made and conditions that can be detected. In addition, interested offerors shall provide a capability statement of their experience in successfully developing and installing AWIS for other transit agencies or railroads. The capability statement shall include the name and address of the transit agency or railroad, a brief description of the project, and a contact person’s name and telephone number from the transit agency or railroad.

Please forward the above information along with your company’s name, address, point of contact, telephone number, and email address no later than February 27, 2015 to Fred Voellm, Contract Administrator, Washington Metropolitan Area Transit Authority, Office of Procurement and Materials, 600 5th Street NW, Room 301-G, Washington, DC 20001. For questions, please text [fvoellm@wmata.com](mailto:fvoellm@wmata.com) or call 202-962-2485.

Information submitted will be reviewed by WMATA engineering staff. WMATA may meet with individual offerors to discuss and review the information provided. If WMATA decides to proceed with AWIS, a formal solicitation will be issued.