

## **Request for Quote (RFQ) Announcement**

The Transportation Pooled Fund Study TPF-5(518) “Implementation of Structural Data from Traffic Speed Deflection Devices” is seeking qualified vendors to submit a quote for collecting network-level pavement structural condition data using a Traffic Speed Deflectometer Device (TSDD). We invite businesses with relevant resources, expertise, and experience to provide TSDD data collection services to respond to this RFQ.

### **Project Scope:**

Virginia DOT led TPF-5(518), managed by Virginia Tech, is focused on providing participating agencies guidance on how to specify and implement TSDD data, including collection of TSDD data, within their respective pavement management systems and processes. Over 20 State DOTs are currently participating in the study. The participating State DOTs have the freedom to select the TSDD data collection service provider(s) for their data collection in their State. It is envisioned that the participating State DOTs will select vendor(s) for data collection for their state based on the information received in response to this RFQ. This RFQ does not constitute a commitment that a request for data collection will be made by the pooled fund to the vendor. Requests for data collection will be made through the pooled fund by the participating state DOTs either individually or as part of the pooled fund research efforts. If selected for data collection, the vendor will be responsible for the collection and delivery of pavement structural condition data using a TSDD. Key deliverables include:

- Structural data collection at traffic speeds, defined as any speed no more than 15 mph below the posted speed limit. Structural data consists of pavement response to loading which can be pavement deflection velocity, deflection slope, or deflection.
- Library of data deliverables.
- Documentation of implemented quality assurance and quality control procedures for the data collection and data deliverables.

### **Submission Requirements:**

Interested vendors must submit a detailed quote that includes:

- Pricing structure that includes: 1) mobilization, 2) a quote per day of data collection, and 3) a quote per mile of collected data (assuming 55 mph or higher speed limit)
- Documented relevant experience: Include a sample of at least 500 miles of all collected data items that will be delivered as part of the data collection. Verification with Falling Weight Deflectometer information is preferred but not required.

- Technical specifications of the TSDD to be used, including the highest resolution (lowest averaging interval reported) of data that can be delivered
- Describe the methodologies used for evaluating data quality and processing raw data into data or metrics that can be used for network and project-level applications
- A list of any additional data that the vendor can deliver along with the pavement structural response data
- Format of the data delivered and whether any proprietary software to access or process the data is needed
- Availability of the TSDD in the United States for calendar year 2026.

**Deadline for Submission:**

All proposals must be submitted by **September 8, 2025**, to [skaticha@vtti.vt.edu](mailto:skaticha@vtti.vt.edu). Late submissions will not be considered.

**Contact Information:**

For any questions or clarifications, please contact [skaticha@vtti.vt.edu](mailto:skaticha@vtti.vt.edu).