

State of Louisiana
Department of Transportation and Development (DOTD)
Traffic Operations Approved Product List (TOAPL) Qualification Procedure
for
TOAPL 210

WIRELESS MAGNETOMETER VEHICLE DETECTION SYSTEM (WMVDS)

REQUIRED DOCUMENTATION:

Submittals:

Scan and submit all required documents electronically.

Evaluation Form:

A separate form shall be required for each model submitted for approval. See Traffic Operations Approved Product Evaluation Form located at the link below:

http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Operations/Traffic_Services/Pages/Traffic_Operations_Approved_Products_List.aspx

Certification and/or Test Reports

General:

Each product shall be submitted with a Certificate of Compliance and test reports that the product meets **all** specifications in TCS No. 210.

Design and Production:

Provide documentation (from the manufacturer) of the QA program. Each Wireless Magnetometer Vehicle Detection System (WMVDS) shall be manufactured in accordance with a written manufacturer's Quality Assurance program. The QA program shall include, as a minimum, specific design and production QA procedures.

Product Data Sheets / Documentation

Include product data sheets to provide all pertinent information relative to the product to be evaluated; including, but not limited to, manufacturer's specifications.

Operation and maintenance manuals shall be provided. The operation manual shall include a block diagram schematic of all system hardware components.

Detailed directions/instructions for installation, programming and maintenance of the Wireless Magnetometer Vehicle Detection System (WMVDS) must be included with each unit.

The manufacturer shall provide when requested all engineering data, diagrams, software changes or improvements, which increases performance of the Wireless Magnetometer Vehicle Detection System (WMVDS). This shall be available at no cost to LADOTD.

Parts List

The manufacturer or their certified representative shall provide a complete parts list including vendors for replacement parts.

Warranty

A five (5) year warranty on all parts and components of the entire Wireless Magnetometer Vehicle Detection System (WMVDS) must be provided by the manufacturer.

Maintenance And Purchase Support

The manufacturer and/or their certified representative shall provide certification in writing for the following items:

- Shall maintain an adequate inventory of parts to support maintenance and repair of the Wireless Magnetometer Vehicle Detection System (WMVDS). These parts shall be available for delivery within 48 hours of placement of an acceptable order.
- Shall maintain an ongoing program of technical support for the Wireless Magnetometer Vehicle Detection System (WMVDS). A technical support employee shall be available to come to the installation site for any installation by the contractor or the Department, at no additional cost to the Department.
- At least one (1) technical support employee will be on call 24/7 and be present at any designated state signal location within 12 hours. The contact information shall be provided to the State Traffic Signal Engineer at Traffic Services and continually updated.

Training

The manufacturer and/or their certified representative shall provide certification in writing for the following:

Once their Wireless Magnetometer Vehicle Detection System (WMVDS) is installed by LADOTD or a contractor for a LADOTD construction project, from then on training classes shall be provided to LADOTD through a mutually agreed upon schedule at no cost to LADOTD.

Training shall include the following:

- Formal classroom training and “hands-on” operations training shall be provided for personnel designated by this agency. The “hands-on” training shall take place at locations within the state of Louisiana designated by this agency. The formal classroom training shall take place at the Traffic Services facility at no additional cost to the Department.
- Two (2) one (1) day training sessions are required each year and shall take place at a location within the state of Louisiana designated by this agency. Copies of course materials shall be supplied to and retained by each attendee.

- Provide at least one (1) on-site (one day) field visit at each LA DOTD district office upon request during each year. The training will be informal, tailored to field technician's needs for that particular district.
- Training shall include detailed installation, operation, and maintenance of the Wireless Magnetometer Vehicle Detection System (WMVDS). A manual for each student shall be provided in the class.

PRODUCT SAMPLE:

Products may be subject to laboratory testing before final acceptance. If a sample is required, it will be requested from the manufacturer **after** the submitted documentation has been approved.

Return of sample must be arranged by the vendor and the vendor's expense.

LADOTD, at its option, will perform sample testing of Wireless Magnetometer Vehicle Detection System (WMVDS) at any time.

DISQUALIFICATION:

Any product may be removed from the TOAPL for non-conformance with specifications or performance requirements. The Department must be notified in writing of any name change or change in product. Significant changes may require reevaluation of the product.

Any deviation to hardware, software or accompanying elements without prior testing and approval from LADOTD, shall be grounds for automatic removal from the LADOTD Traffic Operations Approved Product List for an undetermined time

REQUALIFICATION:

Any product which has been disqualified and removed from the TOAPL will be considered for reevaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification have been solved.

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