



**GEORGIA DEPARTMENT OF TRANSPORTATION**  
**TRANSPORTATION PRODUCTS QUALIFIED PRODUCT LIST (QPL):**  
**Standard Operating Procedures 42**  
**Traffic Signal and Intelligent Transportation System Components**

**I. General:**

As an aid to construction and maintenance personnel, the Office of Materials and Testing (OMAT) maintains a Qualified Products List. This Standard Operating Procedure (SOP) provides guidelines to establish products for use within the Georgia Department of Transportation (GDOT) traffic signal and ITS systems and governs the Qualified Products Lists (QPL) 48.

Products that appear on this list have been evaluated by the GDOT's Office of Traffic Operations and have proven their capability of meeting or exceeding the appropriate specifications and proven functional stability within the system.

The Committee will assign a responsible individual or party to monitor products covered by this SOP. The Office of Traffic Operations will provide OMAT with all traffic signal and ITS item updates or changes on an as needed basis. Representatives from the Offices of Materials and Testing and Traffic Operations, at unscheduled times, may visit the producer's plant or warehouse and/or construction or maintenance projects to view, inspect and/or test items covered by this SOP. The following actions may result from periodic reviews:

1. Products that consistently produce test results that significantly vary from those established by the manufacturer and verified by the appropriate Department Office may be removed from the QPL.
2. Products that meet the current requirements of the specifications but do not perform satisfactorily in the field may be removed from the QPL.
3. Products that meet current requirements of the specifications but were not submitted for re-evaluation upon request may be removed from the QPL.

**\*\*Removal from the QPL will prohibit the use of the product on GDOT infrastructure until the product has been resubmitted for evaluation and received approval for inclusion on the QPL.**

To ensure quality control, in the event one manufacturer is acquired by a competitor GDOT may require re-evaluation of those products. If a manufacturer goes out of business and its inventory is acquired by another company the same applies.

Products covered in this SOP must be submitted for re-evaluation when significant upgrades or revisions have been made to the product or upon request from GDOT and submitted to the Office of Traffic Operations. Items submitted for review that are not covered under GDOT's current Specifications must be submitted to OMAT for New Product Evaluation.

GDOT reserves the right to limit the number of listed products for each type of item or system.

**II. Initial Product Evaluation**

**A. Submission Requirements**

To begin the QPL evaluation process, submit one electronic and one printed submittal packet to the Office of Traffic Operations. Each submission shall include the following:

1. A Product Evaluation Form must be completed listing each item submitted for evaluation.
2. A Specification Matrix Form must be completed detailing how the component or system meets or exceeds the established requirements as detailed in the appropriate specification.
3. A Warranty Certification Form signed by a legal representative of the manufacturer in addition to the manufacturer's warranty letter. (See paragraph C).

4. Any additional information that aids in the evaluation of the product, including but not limited to cut sheets, MSDS, and independent lab evaluations.

Electronic submissions can be emailed in PDF form to: [QPL48@dot.ga.gov](mailto:QPL48@dot.ga.gov)

Sample product(s) and submittal packets should be sent to the following address:

Georgia Department of Transportation  
Attn: State Signal Engineer  
935 East Confederate Ave. Bldg. 24  
Atlanta, GA 30316

## **B. Testing**

- The vendor/manufacturer is advised that the evaluation of their product is not a commitment to purchase, recommend, or specify their product, and that the data developed is public information.
- Candidates are advised that testing and evaluations may take up to one year to evaluate a particular system or component to ensure functionality.
- Any cost of integrating the product or system into the current operating system will be the manufacturer's responsibility.
- If the product causes damage to GDOT infrastructure during the testing process, the representing company may be liable for repair/replacement costs.
- The Georgia Department of Transportation and all associated entities responsible for the testing process will not be held liable for any damage to equipment during the testing period.
- Manufacturer/vendor will be updated on the status of evaluation at ninety day intervals or when problem occurs or a decision is made.
- All equipment must be picked up within sixty days of notification of decision or it will be considered abandoned and become the property of the State of Georgia.

## **C. Warranty Letter**

The manufacturer or producer must submit warranty information for each product before being evaluated. The warranty shall be submitted on company letterhead and contain the following: Subject line with QPL # and title, appropriate description of the product and signature by a person legally responsible to bind the company. Warranty length will be determined by the governing specification.

The letter must warrant at minimum the criteria below:

- Warrant that all material furnished to State of Georgia projects is new and of current manufacture at the time of purchase.
- Warrant that Manufacturer accepts full responsibility for determining and meeting the governing Specifications for all materials and orders.
- Warrant that all products provided are free from defects in materials and workmanship for the duration of the warranty.
- Warrant that any material found to be in nonconformance shall be repaired or replaced without cost to the purchaser or State of Georgia for all incidentals to the repair or replacement of the product.
- Warrant that any software or firmware upgrades associated with the product shall be supplied to the State of Georgia at no cost during the warranty period.
- Warrant that any firmware or software upgrades will not degrade the original functionality of the product warranted.
- Warrant the product for the length of time dictated by the governing specification.
- All warranted items are fully transferable to the agency or user responsible for maintenance.

#### D. Independent Lab Results

Test results from a private testing facility may be required on some items before beginning evaluation. Material Safety Data Sheets (MSDS) if applicable, independent lab evaluation and certification as well as product data sheets should be furnished when submitting a product for initial evaluation.

### III. Requirements

#### A. Product Identification

Brand name, type, part number, date of manufacture and any other pertinent information must identify submitted products. The manufacturer will be expected to conduct sufficient tests and maintain product control records to verify that production is adequate to assure specification compliance. It is required that the manufacturer notifies the Office of Traffic Operations in writing of any change in design or functional composition of any of their products on the QPL and submits product samples for re-evaluation. Manufacturers must also notify the Office of Traffic Operations in writing with any changes to company name, location, part number, or product name. Failure to provide this documentation will result in the removal from QPL until re-evaluation can be performed.

The letter must state the following:

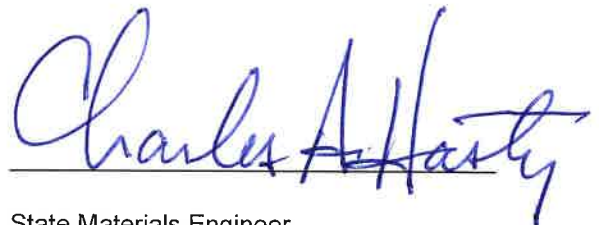
- The event will result in no change to the product quality, reliability, or specification compliance
- The event will result in no change to design or material
- All existing warranties will continue to be honored

#### B. Product labels

Product labels must be unique to the manufacturer petitioning to list their products on the QPL. Vendors will not be allowed to list product labels other than their own. GDOT will not evaluate or list the same-labeled product on the QPL unless the product is privately labeled and warranted.



State Traffic Engineer



State Materials Engineer



Director of Construction