

**State of Louisiana**  
**Department of Transportation and Development (DOTD)**  
**Traffic Operations Approved Product List (TOAPL) Qualification Procedure**  
**for**  
**TOAPL 165**

**BOLT-ON MAST ARM & DUAL MAST ARM STEEL POLES**

**MATERIAL SPECIFICATION REFERENCE:**

Louisiana Department of Transportation and Development Traffic Control Standard Number 9 (TCS No.9) for Bolt-On Mast Arm & Dual Mast Arm Steel Poles.

**GENERAL:**

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the product will or will not be added to the TOAPL. The Department reserves the right to reevaluate any product at any time. Qualification of a product is not blanket approval for its use.

**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.

Manufacturers may be taken off the TOAPL if LADOTD observes defects.

**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.

**EVALUATION TIME:**

Laboratory Testing - 4 weeks

**PRELIMINARY REQUIREMENTS:**

The manufacturer requesting product consideration for the TOAPL must supply the following prior to evaluation:

**Qualified Product Evaluation Form**

The manufacturer shall submit a standard "Traffic Operations Approved Product List (TOAPL) Evaluation Form" to the LADOTD Traffic Operations Section TOAPL Coordinator listed below, along with a letter requesting evaluation for the TOAPL. A separate evaluation form shall be required for each item submitted.

**Product Stamped Drawings & Calculations**

The manufacturer must certify that all of the specifications of TCS No. 9 have been met by submitting a set of stamped and signed drawings of the upright pole, optional upright extension pole, primary arm, secondary arm, optional luminaire arm, and any other necessary details. The drawings shall be stamped by a professional engineer licensed in the State of Louisiana.

A set of stamped and signed structural calculations in a summary table of each different mast arm configuration must also be submitted by the manufacturer. The structural calculations shall be stamped by a professional engineer licensed in the State of Louisiana.

**Certification**

Each product submitted for acceptance to TOAPL 165 must be submitted with a Certificate of Compliance that the product meets all of the specifications of TCS No. 9. Manufacturers must possess and submit their American Institute of Steel Construction (AISC) Bridge Component Certification (CPT).

**Warranty**

The item shall be repaired or replaced by the manufacturer at no cost to the LADOTD if it exhibits a failure due to workmanship or material defect within the first twelve (12) months beginning from the date of installation.

**Product Samples**

A sample of a 45' X 40' dual mast arm pole assembly shall be submitted before approval and acceptance to TOAPL 165. Assembly must include the upright pole, anchor bolts, aluminum bolt circle template, optional upright pole, primary arm, secondary arm, optional luminaire arm and all required hardware. The sample shall be furnished at no cost to the Department.

**TEST REQUIREMENTS:**

**Laboratory Testing**

LADOTD Traffic Operations Section will review the Certificate of Compliance, supporting data, and sample for compliance with TCS No. 9.

**Louisiana Department of Transportation and Development**

**Traffic Operations Section**

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