

VEHICLE SAFETY LIGHTING, STATEWIDE CONTRACT

Vehicle safety lighting, statewide contract, new and of current model, equipped as advertised by the manufacturer, to meet or exceed the following **minimum** specifications:

Non-Restrictive Clause: Any use of brand name or equal within this specification is to be considered a reference for the purpose of describing the standard of quality, performance, and characteristics desired. It is not intended to limit or restrict competition.

The bidder must respond to each of the following statements. Specifications listed are **minimum** requirements that must be met for a bidder to qualify for an award. A "YES" response means the bidder guarantees that they meet or exceed the requirement. A "NO" response means the bidder cannot meet the requirement and will not be considered. The bidder must supply printed literature that shows compliance with each requirement of the Specifications and, if on inspection, an item is found not to comply, the Light(s) will be rejected.

Descriptive literature shall be furnished to substantiate the details specified throughout this bid.

SPECIFICATIONS

General: It is the intent of this contract to identify LED lighting for light, medium, and heavy-duty vehicles. The contract will also include LED mini light bars, beacons, and general products with a fixed discount.

The LED mini light bar and beacon shall meet or exceed the requirements of the latest revision of SAE J845 (currently August 2021) for Class 1 omnidirectional optical warning devices. Directional LED surface-mount light heads shall meet or exceed the requirements of the latest revision of SAE J595 (currently August 2021) for Class 1 directional flashing optical warning devices. A copy of the appropriate SAE compliance certification from an AMECA certified (or approved independent lab) shall be supplied with the bid.

The LED used shall be a "high brightness, high intensity, or power LED"; 5mm LEDs will not be acceptable. All apparatus shall be fully self-contained and require only connection to a ground source and a 12 VDC connection through an on/off switch

Comply Yes/No: _____

1. **3 LED Horizontal Mount:** Light head to have three (3), high intensity white LEDs with clear lens designed for horizontal mounting with a standard black surface mount flange.

Manufacturer: _____ Part Number: _____

Comply Yes/No: _____

2. **3 LED Vertical Mount:** Light head to have three (3), high intensity white LEDs with clear lens designed for vertical mounting with a standard black surface mount flange.

Manufacturer: _____ Part Number: _____

Comply Yes/No: _____

3. **6 LED Horizontal Mount:** Light head to have six (6), high intensity white LEDs with clear lens designed for horizontal mounting with a standard black surface mount flange.

Manufacturer: _____ Part Number: _____

Comply Yes/No: _____

4. **6 LED Vertical Mount:** Light head to have six (6), high intensity white LEDs with clear lens designed for vertical mounting with a standard black surface mount flange.

Manufacturer: _____ Part Number: _____

Comply Yes/No: _____

5. **LED Perimeter Lights:** Light head to have total of twelve (12), high intensity white and amber LEDs (6 LEDs of each color) with clear lens designed for internal and external mounting applications.

Manufacturer: _____ Part Number: _____

Comply Yes/No: _____

6. **LED 15" Mini Light Bar:** Unit to be four (4) sided with high brightness, high intensity, or power **Amber** LEDs. The unit may be single or double stacked. The lens can be clear, amber, or a combination clear/amber. The unit shall be permanent mount design. Minimum Size: 14 inch (length) by 6 inches (width).

Manufacturer: _____ Part Number: _____

Comply Yes/No: _____

7. **LED 45" Full Light Bar:** Light head to have total of eighteen (18), high intensity white and amber LEDs with clear lens designed for external mounting applications. Minimum Size: 44 inch (length) by 11 inch (width) by 2.5 inch (height).

Manufacturer: _____ Part Number: _____

Comply Yes/No: _____

8. **LED 53" Full Light Bar:** Light head to have total of eighteen (22), high intensity white and amber LEDs with clear lens designed for external mounting applications. Minimum Size: 52 inch (length) by 11 inch (width) by 2.5 inch (height).

Manufacturer: _____ Part Number: _____

Comply Yes/No: _____

9. **LED Beacon:** Unit to be a 360°, high dome; LED beacon with high brightness, high intensity, or Power **Amber** LEDs. The lens shall be amber. The unit shall be permanent mount.

Manufacturer: _____ Part Number: _____

Comply Yes/No: _____

10. **All Other Products:** The vendor shall provide a general products catalog and MSRP price sheet for the amber/white products with the following discount to apply for MDOT purchases.

Discount to apply: _____

ADDITIONAL REQUIREMENTS

Approved Sources: Approved sources are listed below (in no order of preference).

- Code 3/PSE/Ecco
- Federal Signal
- North American Signal
- SoundOff Signal
- Star Signal
- Whelen Engineering

Warranty: The equipment to be furnished under these specifications shall be warranted against defective design, materials, and workmanship as standard with the manufacturer.

Acknowledge Yes/No: _____

Availability: Dealer name and contact information located closest to the point of delivery:

Dealer Name: _____

Telephone: _____

Street Address: _____

City, State, ZIP: _____

Acknowledge Yes/No: _____

Literature: An installation and user's guide shall be furnished with each unit. Two (2) sets of descriptive literature shall be furnished with the bid to substantiate compliance with the specifications in the bid.

Acknowledge Yes/No: _____

Training: A factory or dealer representative shall provide MDOT personnel with proper installation methods for products being bid if required.

Acknowledge Yes/No: _____

Certification: The manufacturers shall furnish certification that this product shall meet or surpass the requirements of Department of Labor occupational safety and health regulations as listed in the Federal Register (OSHA).

Acknowledge Yes/No: _____