



## Introduction

This method statement outlines the detailed steps and processes involved in the design, supply, delivery, installation, configuration, and commissioning of a new exterior lighting system at the Public Service Transportation Corporation Head Office, Port-of-Spain.

## Scope of Work

### 1. Design Phase:

- Conduct a site survey to assess the existing infrastructure and identify the optimal locations for lighting fixtures.
- Develop a detailed lighting design plan, including the selection of appropriate lighting fixtures and control systems.

### 2. Supply Phase:

- Procure the necessary lighting fixtures, control systems, and accessories from reputable suppliers.
- Ensure all equipment meets the required standards and specifications.

### 3. Delivery Phase:

- Transport the procured equipment to the project site.
- Ensure all equipment is delivered in good condition and securely stored.

### 4. Installation Phase:

- Clean work area at the top and sides of the building to ensure a safe and tidy workspace.
- Remove all present installation, including existing lighting fixtures and electrical wiring.
- Remove all 90-degree arms that the lights are mounted on.
- Remove existing lights.
- Install new arms for the lights that will either be attached to the I beams at the top of the building or secured to the ground area, then cast with reinforced concrete and welded to create the bar to hang the lighting.
- Position the lighting fixtures accurately according to the design plan.
- Run electrical wiring with automatic sensors to all lights and test each connection.
- Ensure all electrical wiring is run directly to the sub panels for efficient power distribution.
- Run DMX wiring from the controller to the lights from the DMX board.
- Test the lights in conjunction with the DMX board and electrical sensors to ensure proper functionality.
- Clean the area thoroughly after installation to maintain a neat and professional environment.

#### 5. Configuration Phase:

- Program the control systems to achieve the desired lighting effects and schedules.
- Test the lighting system to ensure all fixtures are functioning correctly and adjustments are made as necessary.

#### 6. Commissioning Phase:

- Conduct a final inspection of the lighting system to ensure compliance with design specifications and standards.
- Provide training to the client's staff on the operation and maintenance of the lighting system.
- Hand over the completed lighting system to the client with all necessary documentation.

#### Safety Measures

Ensure all work is carried out in compliance with relevant health, safety, and environmental regulations. Conduct risk assessments and implement appropriate control measures to mitigate identified risks. Provide personal protective equipment (PPE) to all personnel involved in the project.

#### Quality Assurance

Conduct regular inspections and tests to ensure the quality of workmanship and materials. Maintain detailed records of all inspections, tests, and corrective actions taken.

#### Conclusion

This method statement provides a comprehensive plan for the successful completion of the exterior lighting system installation at the Public Service Transportation Corporation Head Office, Port-of-Spain. We are committed to delivering a high-quality, safe, and reliable lighting system that meets the client's requirements.

#### Warranty and Work Schedule

- **Warranty:** All workmanship is guaranteed for 12 months. Equipment warranty is 24 months from the date of installation.
- **Work Schedule:** The project will commence on the agreed start date, with a detailed schedule provided upon approval.