

**OKLAHOMA DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION
FOR
TEMPORARY ROADWAY LIGHTING ASSEMBLY**

These Special Provisions amend and where in conflict, supersede applicable sections of the 2009 Standard Specifications for Highway Construction, English and Metric.

880.01 DESCRIPTION *(Add the following:)*

This work consists of furnishing temporary electrical energy, and providing and erecting signs, lights, barricades, and other devices.

880.02 MATERIALS *(Add the following:)*

B. Construction Signing and Traffic Control Materials

(13) Temporary Roadway Lighting Assembly

Provide temporary roadway lighting assemblies of the type specified, meeting the material requirements of applicable subsections of these specifications. Include all of the following items, unless otherwise specified:

- 2/C or 3/C No. 4 ACSR electric conductor (aerial), between the lighting poles and to the temporary service pole.
- 1/C No. 12 electric conductor, to the luminaries.
- In-line fuse connector with a 15 amp. Fuse. (Optional)
- An existing or new permanently installed roadway pole with either one or two luminaires may be considered a temporary roadway lighting assembly for payment as outlined in Section 880.05.

Provide the following specific items for the various assembly types:

- ***Assembly Type 40***
 - 40' (12.2 m) Class 6 wood pole with an 8' (2.4 m) galv. steel mast arm
 - 250 watt high pressure sodium roadway luminaire rated at 27,000 lumen, Type M-S-III
- ***Assembly Type 55***
 - 55' (16.8 m) Class 4 wood pole with a 10' (3.0 m) galv. steel mast arm.
 - 400 watt high pressure sodium roadway luminaire rated at 50,000 lumen, Type M-S-III

(14) Temporary Service Pole Assembly

Provide temporary service pole assemblies meeting meeting the material requirements of applicable subsections of these specifications. Include all of the following items, unless otherwise specified:

- 35' (10.7 m) Class 6 wood pole
- 60 or 100 amp. , 2-pole lighting controller
- 60 or 100 amp. disconnect switch
- Miscellaneous equipment including PE cell, conduit, electrical conductors, fuses, connectors and meter base, if required

880.04 CONSTRUCTION METHODS (*Add the following:*)

Install the temporary roadway lighting assembly and temporary service pole assembly at the direction of the Engineer, and in cooperation with the local utility company and the local governmental agency. Repair any damage to the temporary roadway lighting assembly and/or temporary service pole assembly inflicted during the installation, relocation, and/or removal of these items at no additional cost to the Department.

Install Assembly Type 40 on two-lane and three-lane roadways. Install Assembly Type 50 on roadways with more than three lanes.

The suggested maximum spacing between temporary lighting poles is 150' to 170' (45.7 m to 51.8 m) for Assembly Type 40, and 180' to 210' (54.9 m to 64 m) for Assembly Type 55. Connect the temporary lighting poles to electrical power at a temporary service pole using aerial conductors. Using portable median barrier, protect the temporary light poles and service pole assemblies rom the traffic flow in a manner approved by the Engineer.

Operate temporary roadway lighting at 480 volts.

880.05 METHOD OF MEASUREMENT (*Revise and add as follows:*)

The installation and removal of the *Temporary Roadway Lighting Assembly* will be measured by the unit, complete in place, for each calendar day the device is required and is in place in an acceptable condition and position to meet all of the above requirements. Measurement for payment will be by the Luminaire Day (LMDY) beginning on the day that the temporary roadway lighting assembly is in place and operational. A Luminaire Day is defined as any 24-hour day that the assembly is operational.

Temporary or permanent lighting assemblies with two luminaires will be measured as two luminaire days.

Temporary Roadway Lighting Assembly will be measured for payment with a 30-day minimum for each relocation.

The cost bid for *Temporary Roadway Lighting Assembly* may also be used for compensation for temporary lighting utilizing existing and/or permanent pole installations during the interim time between the time they are installed and operational and before the final circuit is accepted and the permanent service pole is operational.

Any existing lighting pole assembly that is being used for temporary lighting during construction will not be paid for until that assembly is connected to a circuit for which the Contractor is furnishing the electrical energy.

880.06 BASIS OF PAYMENT (*Add the following:*)

Signs and other traffic control devices, measured as provided above, will be paid for at the contract unit price for:

Pay Item:	Pay Unit:
<i>(M) TEMPORARY ROADWAY LIGHTING ASSEMBLY</i>	Luminaire Day

Payment will be considered full compensation for this item of work. Include all costs for the *Temporary Roadway Lighting Assembly* in the unit price bid for this item of work, including all materials, hardware, installation, relocations, removal upon completion of the project, any temporary service pole assembly, costs of electrical energy to the service pole necessary to operate the completed temporary lighting system, and all maintenance or repairs required to keep the system in operation during construction.

Do not include the cost for portable median barrier used to protect the temporary lighting assembly in this item of work.