

## 923-M-066 TEMPORARY TRAFFIC CONTROL DEVICES

*(Adopted 05-18-23)*

The Standard Specifications are revised as follows:

SECTION 923, BEGIN LINE 177, DELETE AND INSERT AS FOLLOWS:

The battery bank shall ~~consist of 12V, deep cycle, batteries~~ *have a maximum nominal voltage of 48V and be rated for a minimum of 80% depth of discharge.* The battery bank shall be of sufficient capacity to power the unit for 15 days with no assistance from the sun. A battery condition indicator and a test switch shall be provided to monitor the battery charge of the system. The batteries shall be secured in a well ventilated, weatherproof lockable housing. A low battery charge indicator which shall be visible to maintenance personnel driving past the sign shall be provided to indicate the need to recharge the batteries. The battery bank shall be at full charge when delivered to the project site.

SECTION 923, BEGIN LINE 193, DELETE AS FOLLOWS:

**~~(b) Diesel Powered~~**

~~Flashing arrow sign shall be fueled by diesel fuel only.~~

**~~(c) AC Powered~~**

~~When connected to an AC electrical power source, provisions shall be made to prevent electrocution.~~

SECTION 923, BEGIN LINE 280, DELETE AND INSERT AS FOLLOWS:

**(g) Batteries and Charging System**

*The battery bank shall have a maximum voltage of 60V. If lead acid or AGM chemistry is used, it shall be rated at least 80% depth of discharge.* Batteries shall be ~~deep cycle type and be~~ capable of operating the AFAD continuously for two days, 24 hrs per day without a need of re-charging. An audible low battery voltage alarm sound system shall be provided. The battery charging system shall consist of a solar panel. Solar panels shall be UL 1703 certified.

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