

**INSPECTORS CHECKLIST for SOLAR BOARDS**  
The following is to be used in conjunction with the 2012 MDOT Standard Specifications  
For Construction Section 922.07.

UNIT NO. / DESIGNATION	CONTRACTOR / OWNER		
CONTROL SECTION – PROJECT NUMBER		PROJECT LOCATION	
INSPECTED BY (Signature)			DATE

**PHYSICAL INSPECTION**

PANEL SIZE  <input type="checkbox"/> 48" X 96" (TYPE C)	<input type="checkbox"/> 36" X 64" (TYPE B)	PANEL IN GOOD CONDITION (Black w/o Serious Damage) <input type="checkbox"/> YES <input type="checkbox"/> NO
		LAMP MOUNTING IN GOOD CONDITION <input type="checkbox"/> YES <input type="checkbox"/> NO

COMMENTS (For brightness and orientation)

DEVICE MANUFACTURER

LENS VISORS  Diameter 5" Minimum, Length 5" Minimum, and Minimum of 290 Degrees. <input type="checkbox"/> YES <input type="checkbox"/> NO	COMMENTS (Indicator lights for operating mode)  IS TRAILER DELINEATED WITH CONSPICUITY TAPE <input type="checkbox"/> YES <input type="checkbox"/> NO
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**OPERATION TESTS**

The arrow bar power supply must be in full operating condition to conduct the following tests:

MASTER ON – OFF SWITCH <input type="checkbox"/> YES <input type="checkbox"/> NO	MESSAGE MODE SWITCH, LEFT ARROW <input type="checkbox"/> YES <input type="checkbox"/> NO
MESSAGE MODE SWITCH, RIGHT ARROW <input type="checkbox"/> YES <input type="checkbox"/> NO	MESSAGE MODE SWITCH, DOUBLE ARROW <input type="checkbox"/> YES <input type="checkbox"/> NO
MESSAGE MODE SWITCH, CAUTION <input type="checkbox"/> YES <input type="checkbox"/> NO	MODE INDICATORS FUNCTIONING (Back of Panel) <input type="checkbox"/> YES <input type="checkbox"/> NO
FLASH RATE – The minimum element on-time shall be 50 percent for the flashing mode, with equal intervals of 25 percent for each sequential phase. The flashing rate shall not be less than 25 or more than 40 flashes per minute.	
FLASH RATE WITHIN RANGE <input type="checkbox"/> YES <input type="checkbox"/> NO	ON TIME PERCENTAGE ADEQUATE <input type="checkbox"/> YES <input type="checkbox"/> NO

COMMENTS

**PHOTOELECTRIC CONTROL CIRCUIT**

In order to determine if this circuit is functioning, it will be necessary to cover the transparent or amber window lens to simulate darkness. This lens is usually located on the top of the control panel or flasher case. When tested indoors a flashlight may be needed.

NOTES / COMMENTS

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