

INSPECTORS CHECKLIST FOR SOLAR BOARDS

The following is to be used in conjunction with the 2020 MDOT Standard Specifications For Construction Section 922.07.

UNIT NUMBER/DESIGNATION	CONTRACTOR/OWNER		
CONTROL SECTION – PROJECT NUMBER	PROJECT LOCATION		
INSPECTED BY			DATE

PHYSICAL INSPECTION

PANEL SIZE	PANEL IN GOOD CONDITION (Black w/o serious damage)		
48" X 96" (TYPE C)	36" X 64" (TYPE B)	YES	NO
		LAMP MOUNTING IN GOOD CONDITION	
		YES	NO

COMMENTS (For brightness and orientation)

DEVICE MANUFACTURER

LENS VISORS	COMMENTS (Indicator lights for operating mode)		
Diameter 5" Minimum, Length 5" Minimum, and Minimum of 290 Degrees.			
YES	NO	IS TRAILER DELINEATED WITH CONSPICUITY TAPE	
		YES	NO

OPERATION TESTS

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

MASTER ON – OFF SWITCH		MESSAGE MODE SWITCH, LEFT ARROW	
YES	NO	YES	NO
MESSAGE MODE SWITCH, RIGHT ARROW		MESSAGE MODE SWITCH, DOUBLE ARROW	
YES	NO	YES	NO
MESSAGE MODE SWITCH, CAUTION		MODE INDICATORS FUNCTIONING (Back of panel)	
YES	NO	YES	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		ON TIME PERCENTAGE ADEQUATE	
YES	NO	YES	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