

## Checklist and Certification of Compliance with ODOT's Specifications for Truck-Mounted PVMS's

This checklist is based on the Truck-Mounted Portable Variable Message Sign (PVMS) Specifications that describe the minimum requirements for equipment to be included on the Qualified Products List (QPL). All PVMSs used or purchased by ODOT, or used on ODOT projects, shall be listed on the QPL. This checklist should be completed by the manufacturer, signed, and submitted with the Preliminary Information for Product Evaluation Form.

**Manufacturer** \_\_\_\_\_ **Product** \_\_\_\_\_ **Model#** \_\_\_\_\_

**Person Completing Checklist** \_\_\_\_\_ **Title** \_\_\_\_\_ **Phone** \_\_\_\_\_

YES	NO	Specification	ODOT Use
<input type="checkbox"/>	<input type="checkbox"/>	1. The sign can be mounted on a large truck or service patrol truck so the bottom of the message panel is a minimum of 2.15 m (7 ft) above the roadway when it is in the operating mode.	
<input type="checkbox"/>	<input type="checkbox"/>	2. The sign automatically adjusts its brightness under varying light conditions.	
<input type="checkbox"/>	<input type="checkbox"/>	3. The sign controller includes a display screen upon which messages can be reviewed before being displayed on the message sign.	
<input type="checkbox"/>	<input type="checkbox"/>	4. The sign is designed to operate within the following temperature range: -40 to 140 degrees F.	
<input type="checkbox"/>	<input type="checkbox"/>	5. The sign is designed to operate within the following humidity range: 20 to 95% non-condensing.	
<input type="checkbox"/>	<input type="checkbox"/>	6. The sign is adequately ventilated to minimize fogging.	
<input type="checkbox"/>	<input type="checkbox"/>	7. The sign uses _____(number) of LEDs per pixel.	
<input type="checkbox"/>	<input type="checkbox"/>	8. LEDs are amber in color and 590 nanometers (nominal) wavelength.	
<input type="checkbox"/>	<input type="checkbox"/>	9. The failure of a single LED does not impact the functionality of any pixel.	
<input type="checkbox"/>	<input type="checkbox"/>	10. The sign is designed in such a way to maintain the legibility of the message when the vehicle is being driven. Please provide details:	
<input type="checkbox"/>	<input type="checkbox"/>	11. The brightness of the LED is controlled by pulse width modulation of DC current with an adjustable duty cycle. The LED drive current does not exceed the LED manufacturer's recommendations. Please provide details:	
<input type="checkbox"/>	<input type="checkbox"/>	12. The display is (check one): <input type="checkbox"/> a line matrix <input type="checkbox"/> a character matrix <input type="checkbox"/> a full matrix.	
<input type="checkbox"/>	<input type="checkbox"/>	13. The sign is capable of displaying eight (8) characters per line.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Each character is defined by a 5X7 matrix.	

YES	NO	Specification	ODOT Use
		15. The sign is capable of displaying all upper case alphanumeric characters.	
		16. Indicate how many lines of characters can be displayed: <input type="checkbox"/> two <input type="checkbox"/> three <input type="checkbox"/> two or three	
		17. The character height is at least 10 inches.	
		18. The sign controller is capable of storing at least 25 programmable messages.	
		19. The sign shall be capable of displaying two message panels.	
		20. The time it takes to alternate between panels is no more than 0.25 seconds.	
		21. Message changes can be accomplished with no horizontal scrolling, flashing, or other visual disturbance.	
		22. The sign controller uses a keypad or keyboard for creating messages.	
		23. The sign controller uses password authorization to prevent unauthorized operation.	
		24. The sign controller is accessible from the cab of the vehicle on which it is mounted.	
		25. The sign has a high impact resistant clear non-glare UV inhibitor polycarbonate or equivalent face.	
		26. The display housing includes an ID plate showing the manufacturer's name, model number, and serial number of the sign assembly.	
		27. There is no advertising on the sign.	
		28. The mounting hardware is designed to withstand wind loading when the truck is traveling at 60 mph with the sign in an upright operational position.	

**Manufacturer's Certification of Compliance with ODOT Specifications**

Yes. This product (name \_\_\_\_\_ model \_\_\_\_\_) meets ODOT Specifications for Truck-Mounted Portable Variable Message Signs.

Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

No. This product (name \_\_\_\_\_ model \_\_\_\_\_) does not meet ODOT Specifications for Truck-Mounted Portable Variable Message Signs, but I would still like ODOT to consider this product for inclusion on the QPL. Following is an explanation of the differences between this product and ODOT specifications.

\_\_\_\_\_  
 \_\_\_\_\_  
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Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_