

1 (April 1, 2019)

2 **Radar Speed Display Sign**

3 Radar Speed Display Signs (RSDS) shall consist of a fully self-contained see-  
4 through trailer with power supply and an LED speed indicator display with a one-  
5 direction radar. Above or below the display shall be the message "YOUR SPEED"  
6 or "YOUR SPEED IS" in letters of 5 to 8 inches in height. The lowest portion of the  
7 display shall be high enough to be visible over concrete barriers or safety drums  
8 and a 36"x48" speed limit sign as shown on the approved traffic control plan shall  
9 be mounted above the speed display.

10  
11 The radar speed measurement shall provide a minimum detection distance of 1000  
12 ft. and have an accuracy of +/- 1 mile per hour. The radar shall be mounted so  
13 detection will function when located behind concrete barrier or drums.

14  
15 The numeric speed display range shall be 0 to 99 MPH with numerals of 18 inches  
16 in height minimum, amber in color with a black background with automatic dimming  
17 for nighttime operations.

18  
19 The speed indicator display shall be equipped with a violation alert that flashes the  
20 displayed detected speed when the work zone posted speed limit is exceeded. The  
21 speed indicator shall have a maximum speed cutoff. Detected speeds more than 25  
22 MPH over the posted speed shall not be displayed and speeds under 25 MPH shall  
23 not be displayed.

24  
25 The unit shall have traffic data collection capabilities. Traffic data shall be collected  
26 and transmitted to the Engineer upon request.