Section 12-4.02C(10)

Consult with District Traffic Manager and Construction Traffic Manger on the minimum number of PCMST that must be provided for the project.

Use if work activities may cause congestion and delay

Use if work zone speed limit is less than the posted speed limit

Use if work is performed under heavy traffic during peak hours

Do not use this NSSP on roadways with posted speed limit is less than 45 mph

Bid Item 12106A END OF QUEUE MONITORING AND WARNING (DAY)

Replace reserved section 12-4.02C(10) with:

12-4.02C(10) End of Queue Monitoring and Warning

12-4.02C(10)(a) General

12-4.02C(10)(a)(i) Summary

1

Section 12-4.02C(10) includes specifications for placing, operating, maintaining and removing portable changeable message sign truck (PCMST), monitoring the traffic end of queue, and warning approaching traffic.

12-4.02C(10)(a)(ii) Definitions

2

Not Used.

12-4.02C(10)(a)(iii) Submittals

3

Submit a weekly report of PCMST operation. The report must indicate the date, time, message, county, route, direction, and post mile or station for each PCMST.

12-4.02C(10)(a)(iv) Quality Assurance

4

Not Used.

12-4.02C(10)(b) Materials

5

A portable changeable message sign truck consists of a portable changeable message sign (PCMS) mounted on a supporting structure affixed to a pick-up truck under the manufacture's recommendations.

6

The PCMS must comply with Section 12-3.32 and display characters at least 12-inches in height.

7

Each truck must be in good working order and must have:

1. A gross vehicle weight rating of at least 2,000 pounds
2. Operable 2-way communication system for maintaining contact with other PCMSTs and the Engineer
3. A rotating amber light

4. Public address system with external speaker
5. A 54" x 42" SC15 (CA), "CAUTION" sign attached to the tailgate

12-4.02(10)(c) Construction

8. Edit the number of PCMSTs if multiple units are needed on a route because a long queue is expected, or the queue will form fast and will not allow time for repositioning the PCMSTs.

Provide 1 PCMST and operator in the direction of travel for freeway, expressway or multilane conventional highway lane closures. Provide 2 PCMSTs and operators, one for each direction of travel, for two-lane conventional highway lane closures.

9. Use when PCMSTs are not required for all closure locations. Insert the number of the closure charts that require PCMSTs for closures. Delete paragraph if not needed.

Provide PCMSTs and operators when lane closures are used only for the locations shown on the following closure charts:

Closure Chart No.

10

Position PCMST initially more than 1000 feet and less than 1500 feet upstream of the “Road Work Ahead” sign.

11

Monitor the traffic end of queue before the lane closure taper cones are placed and full time when the lane closure is in use.

12

Turn on the PCMS and display the alternating message:

1. "SLOW TRAFFIC AHEAD" and "PREPARE TO STOP," when traffic on the closure side is moving at 10 mph or more below the posted speed limit.
2. "STOPPED TRAFFIC AHEAD" and "PREPARE TO STOP," when traffic on the closure side stops within 200 feet downstream of the “Road Work Ahead” sign.

13

Reposition PCMST as necessary to maintain 1500-1000 feet distance upstream of the end of queue until the traffic condition abates and traffic speed is within 10 mph of the posted speed limit. If the location of the PCMST falls outside the project limits, notify the Engineer and continue to monitor the end of queue and warn traffic.

14

When the lane closure is removed, and traffic speed is 10 mph or more under the posted speed limit, notify the Engineer and continue to warn traffic and monitor the end of queue.

15

When either quick changing traffic conditions or road shoulder limitations do not allow for repositioning of PCMSTs, place additional PCMSTs to warn traffic. Additional PCMTs are change order work.

12-4.02(10)(d) Payment

16

Not Used.