

**Ohio DOT, Office of Roadway Engineering  
Portable Changeable Message Signs (PCMS)  
Supplement 1061 - NTPEP-Based Approved List**

Last Updated: October 2, 2019

*Class A* shall be used on roadways where the speed limit is 45 mph or greater (which requires greater legibility distances), but may also be used on other roadways.

*Class B* shall only be permitted on roadways where the speed limit is 40 mph or less.

**MASH-16**

**MASH-16 Compliant PCMS:**

Manufacturer	Model Number	Model Description	NTPEP Date / Test Number
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~~~No MASH-16 compliant PCMS are currently approved.~~~

**NCHRP 350**

**NCHRP 350 Compliant PCMS:**

| Manufacturer                                                                                                                         | Model Number  | Model Description                                                                                                              | NTPEP Date / Test Number   |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| ADDCO LLC<br>240 Arlington Ave. E.<br>St. Paul, MN 55117-1856<br>(615) 448-8600<br>Fax: (615) 588-3600                               | DH1000-ALS    | Class A, Line Matrix<br>Cell Modem Option<br>No-Charge Battery Duration ≥30 Days<br>Solar Panel Tilt and/or Rotate             | 8/1/2004<br>PCMS(2004)-13  |
| American Signal Company<br>2755 Bankers Industrial Drive<br>Atlanta, GA 30360<br>(770) 448-6650<br>Fax: (770) 448-8970               | CMS-T331      | Class A, Character Matrix<br>Cell Modem Option<br>No-Charge Battery Duration ≥30 Days<br>Solar Panel Tilt and/or Rotate Option | 10/1/2010<br>PCMS(2010)-5  |
|                                                                                                                                      | CMS-T332      | Class A, Line Matrix<br>Cell Modem Option<br>No-Charge Battery Duration ≥30 Days<br>Solar Panel Tilt and/or Rotate Option      | 8/1/2004<br>PCMS(2004)-5   |
|                                                                                                                                      | CMS-T333      | Class A, Full Matrix<br>Cell Modem Option<br>No-Charge Battery Duration ≥30 Days<br>Solar Panel Tilt and/or Rotate Option      | 10/1/2009<br>PCMS(2009)-2  |
| National Signal, Inc.<br>2440 Artesia Ave.<br>Fullerton, CA 92833<br>(888) 994-0300<br>Fax: (714) 441-7714                           | SunRay SR-380 | Class A, Character Matrix<br>Cell Modem Option<br>No-Charge Battery Duration ≥30 Days                                          | 8/1/2004<br>PCMS(2004)-18  |
|                                                                                                                                      | SunRay SR-490 | Class A, Full Matrix<br>Cell Modem Option<br>No-Charge Battery Duration <30 Days<br>Solar Panel Tilt and/or Rotate Option      | 10/1/2008<br>PCMS(2008)-10 |
| Northstar Traffic Technologies<br>150 Cree Crescent<br>Winnipeg, Manitoba<br>Canada R3J 3W1<br>(866) 267-3150<br>Fax: (204) 888-2912 | CMS80FM       | Class B, Full Matrix<br>Cell Modem Option<br>No-Charge Battery Duration <30 Days                                               | 8/1/2004<br>PCMS(2004)-10  |

(Ohio DOT NCHRP 350 Compliant PCMS Approved List, Continued from Page 1)

| Manufacturer                                                                                                        | Model Number                                                                                                                         | Model Description                                                                                                              | NTPEP Date / Test Number                                  |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Solar Technology<br>7620 Centronia Rd.<br>Allentown, PA 18106<br>(610) 391-8600<br>Fax: (610) 391-8601              | Silent Messenger<br>MB-4048                                                                                                          | Class A, Full Matrix<br>Cell Modem Option<br>No-Charge Battery Duration <30 Days                                               | 10/1/2008<br>PCMS(2008)-7                                 |
|                                                                                                                     | Silent Messenger<br>MB-1548                                                                                                          | Class A, Full Matrix<br>Cell Modem Option<br>No-Charge Battery Duration <30 Days                                               | 9/1/2006<br>PCMS(2006)-1                                  |
|                                                                                                                     | Silent Messenger II<br>MB2-LR-3048                                                                                                   | Class B, Full Matrix<br>Cell Modem Option<br>No-Charge Battery Duration <30 Days                                               | 10/1/2008<br>PCMS(2008)-8                                 |
|                                                                                                                     | Silent Messenger II<br>MB2-3048                                                                                                      | Class B, Full Matrix<br>Cell Modem Option<br>No-Charge Battery Duration <30 Days                                               | 10/1/2007<br>PCMS(2007)-6                                 |
| Ver-Mac, Inc.<br>2650 Minnehaha Ave., Ste.<br>500<br>Minneapolis, MN 55406<br>(612) 521-2122<br>Fax: (612) 521-1022 | PCMS 1500                                                                                                                            | Class A, Full Matrix<br>Cell Modem Option<br>No-Charge Battery Duration ≥30 Days<br>Solar Panel Tilt and/or Rotate             | 10/1/2009<br>PCMS(2009)-5                                 |
|                                                                                                                     | PCMS 1210                                                                                                                            | Class A, Character Matrix<br>Cell Modem Option<br>No-Charge Battery Duration ≥30 Days<br>Solar Panel Tilt and/or Rotate        | 10/1/2009<br>PCMS(2009)-3<br>PCMS(2009)-4                 |
| Wanco, Inc.<br>5870 Tennyson Street<br>Arvada, CO 80003<br>(303) 427-5700<br>Fax: (303) 427-5725                    | WTMMB-S-LL(A)                                                                                                                        | Class A, Full Matrix<br>Cell Modem Option<br>No-Charge Battery Duration < 30 Days<br>Solar Panel Tilt and/or Rotate Option     | 10/1/2008<br>PCMS(2008)-3<br>Updated:<br>PCMS-2017-02-004 |
|                                                                                                                     | WTLMB-S-LL(A)                                                                                                                        | Class A, Character Matrix<br>Cell Modem Option<br>No-Charge Battery Duration Unknown<br>Solar Panel Tilt and/or Rotate Option  | 10/1/2018<br>PCMS (2008)-4                                |
| Work Area Protection<br>Corporation<br>2205 Hightower Drive<br>Garland, TX 75041<br>(972) 278-0553                  | SMC 1000 HE ST*<br><br>(No longer being<br>manufactured.)<br><br>(Formerly manufactured by<br>Precision Solar Controls.)             | Class A, Character Matrix<br>Cell Modem Option<br>No-Charge Battery Duration <30 Days<br>Solar Panel Tilt and/or Rotate Option | 10/1/2011<br>PCMS(2011)-01-004                            |
|                                                                                                                     | SMC 1000 HE*<br><br>(As of Feb 2017 no longer<br>being manufactured.)<br><br>(Formerly manufactured by<br>Precision Solar Controls.) | Class A, Character Matrix<br>No-Charge Battery Duration ≥30 Days                                                               | 10/1/2007<br>PCMS(2007)-3                                 |
|                                                                                                                     | SMC 2000 FM*<br><br>(As of Feb 2017 no longer<br>being manufactured.)<br><br>(Formerly manufactured by<br>Precision Solar Controls.) | Class B, Full Matrix<br>Cell Modem Option<br>No-Charge Battery Duration ≥30 Days                                               | 10/1/2007<br>PCMS(2007)-4                                 |

\*No longer being manufactured.

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