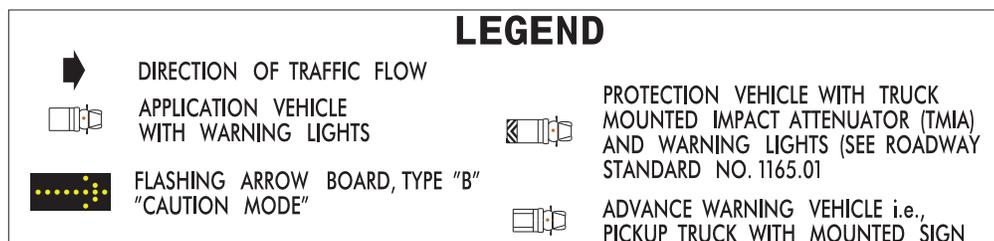


## Notes on Moving Operation Caravan for Placing Pavement Marking or Markers on Four Lanes or More of a Multi-Lane Roadway

- (1) The following options may be used as the first advance warning the motorists see:
  - a. Truck mounted advance warning signs
  - b. Truck mounted changeable message sign (CMS)
  - c. Ground mounted advance warning signs  
(Must circle to pick up signs)
  - d. Ground mounted changeable message sign (CMS)  
(Must circle to pick up signs)
- (2) All advance warning signs must be 48" x 48" with fluorescent orange type VII, VIII, or IX sheeting. If space limitations on shoulder prohibit a 48" x 48" sign, a smaller sign can be used with approval from engineer.
- (3) Signs on vehicles should be mounted a minimum of one foot from the ground and should not block the motorist's sight of the flashing arrow board and/or warning lights.
- (4) Ground mounted advanced warning signs should be mounted a minimum of five feet from the ground to the bottom of the sign.
- (5) Sign spacing should be adjusted for horizontal and vertical curves, etc. to improve sight distances.
- (6) Additional vehicles should be used in work caravan to facilitate drying of pavement marking material (TMA's are optional on these additional vehicles). However, the first vehicle motorists see in the travel lane shall have a TMA.
- (7) Adjust distances as needed to prevent motorists from entering space between the application and protection vehicle. Distance can be lengthened to accommodate sight distance needs.
- (8) Round up mileage to next whole mile. Work zone should not exceed five miles in length.
- (9) Radio communication between vehicles is required.
- (10) Use of warning lights on all vehicles if preferred, but a rotating beacon may be used instead.
- (11) If work is performed at night, the work area must be illuminated with machine and/or tower lights as approved by engineer.
- (12) All traffic control devices will be considered incidental to the pay items for pavement marking and markers.
- (13) Informational signs should be activity specific, i.e. "Paint Crew in Road". Signs may be rectangular or diamond shape. Sign size should be based on the motorist ability to recognize sign when traveling five miles above posted speed limit.



# Moving Operation Caravan

(Operations Traveling 3 mph or Faster)  
 Placing Pavement Marking or Markers  
 On Four Lanes or More of a Multi-Lane Roadway

