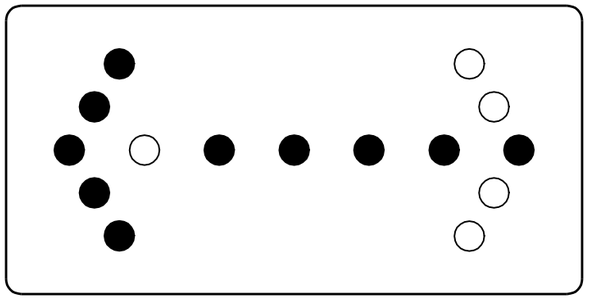
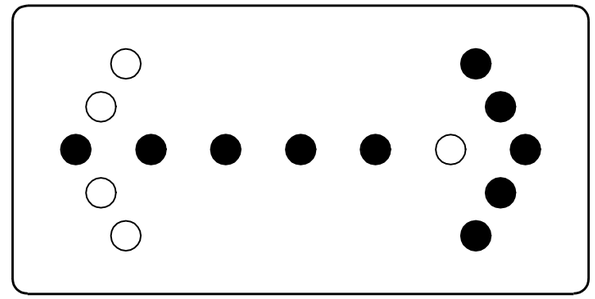
REV. 11-1-95: CHANGED TO METRIC.

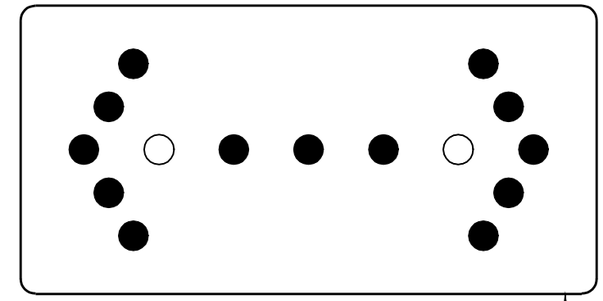
REV. 5-27-97: CHANGED SPECIFICATIONS NOTE 2.



LEFT ARROW

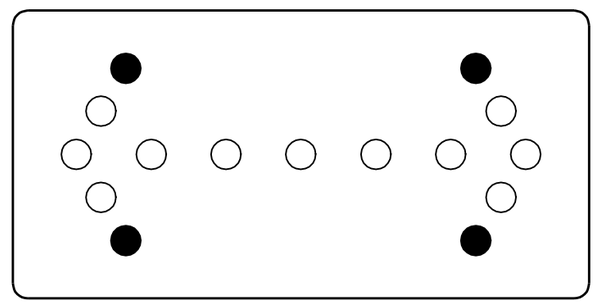


RIGHT ARROW

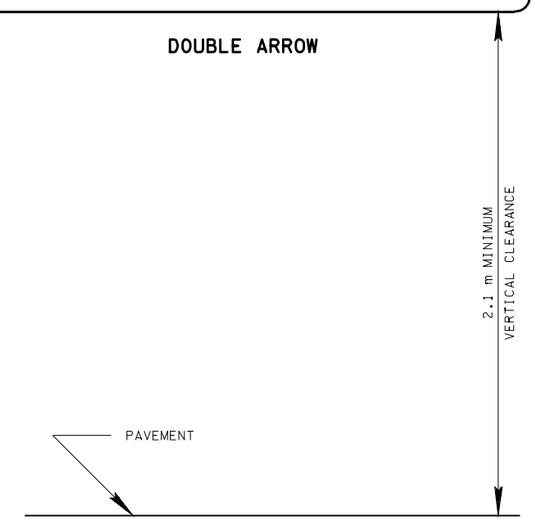


DOUBLE ARROW

ARROW CONFIGURATIONS



WARNING CONFIGURATION



DESCRIPTION

Ⓐ THE FLASHING YELLOW ARROW BOARD SHALL BE USED TO SIGNAL, CONTROL, AND DIRECT VEHICULAR TRAFFIC BOTH DAY AND NIGHT FOR EXTENDED PERIODS OF TIME.

Ⓑ THE 1.2 m x 2.4 m SIGN PANEL SHALL CONTAIN 15 HOODED LAMPS. THE SIGN PANEL SHALL BE CAPABLE OF DISPLAYING THE FOLLOWING ACTUATED ARROW CONFIGURATIONS: RIGHT ARROW; 10 LAMPS FLASHING IN UNISON. LEFT ARROW; 10 LAMPS FLASHING IN UNISON. DOUBLE ARROW; 5 LAMPS IN EACH ARROW HEAD AND 3 LAMPS IN A COMMON SHAFT ALL FLASHING IN UNISON. SEQUENTIAL ARROW CONFIGURATIONS AND CHEVRON ARROW CONFIGURATIONS ARE NOT ALLOWABLE DISPLAYS.

Ⓒ ARROW CONFIGURATIONS ARE USED FOR LANE CLOSURE SITUATIONS ONLY. THE WARNING CONFIGURATION SHALL BE FOUR CORNER LAMPS FLASHING IN UNISON. A HORIZONTAL BAR CONFIGURATION IS NOT AN ALLOWABLE DISPLAY.

SPECIFICATIONS

SIGN PANEL

① THE SIGN PANEL SIZE SHALL BE 1.2 m HIGH x 2.4 m LONG.

② THE YELLOW LAMPS SHALL BE 127 mm.

③ EACH LAMP SHALL CONTAIN A HOOD.

④ THE FINISH SHALL BE NON-REFLECTIVE BLACK.

CONTROL SYSTEM

① THE CONTROL SYSTEM SHALL CONTAIN THREE FLASHERS, THREE VOLTAGE DROPPING RESISTORS, AND THREE MODE (BRIGHT, DIM & AUTO) SELECTOR SWITCHES. THE PHOTO-CONTROLLED TRANSFER RELAY SHALL AUTOMATICALLY DIM ALL OPERATING LAMPS A MINIMUM OF 50 % FROM THEIR RATED LAMP VOLTAGE WHEN AMBIENT LIGHT LEVEL DROPS BELOW 55 lux AND AUTOMATICALLY INCREASE LAMP AND BRIGHTNESS AGAIN WHEN AMBIENT LIGHT LEVEL INCREASES TO 55 lux.

② FLASH RATE 25 TO 40 FLASHES PER MINUTE.

③ "ON" TIME - 50 % OF CYCLE.

POWER SUPPLY

① THE POWER SUPPLY SHALL BE SUFFICIENT TO ADEQUATELY MEET THE POWER REQUIREMENTS OF THE SYSTEM AT ALL TIMES DURING OPERATION.

② DIESEL/GENERATOR POWERED UNITS SHALL INCLUDE A DRIP PAN OR SIMILAR UTENSIL FOR THE COLLECTION OF OIL OR FUEL WHICH SPILLS OR LEAKS FROM THE UNIT. GASOLINE POWERED UNITS ARE NOT ALLOWED.

TENNESSEE METRIC D.O.T.

ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

FLASHING YELLOW ARROW BOARD

11-1-95 | TM-FAB-1