

TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION VEHICLE LIGHTING SELECTION CHART

| VEHICLE LIGHTING DEVICES | | | | | | | | | | | | | | |
|--------------------------|---|--------|-------------------------------|-----------------------------|---|---|-----------------------------------|-------------------------|---|-----------------------|---|--|---|---|
| LEVEL | VEHICLE TYPES | OPTION | SINGLE AMBER FLASHING LIGHT * | AMBER FLASHING BAR LIGHT ** | TWO AMBER FLASHING BAR LIGHTS (NOT IN REAR) *** | TWO REAR AMBER FLASHING BAR LIGHTS **** | TWO AMBER FLASHING DOME LIGHTS ** | FOUR-WAY FLASHERS ***** | AMBER FLASHING LIGHTS IN GRILL OR TAIL LIGHTS | 360 DEGREE VISIBILITY | AMBER & GREEN FLASHING BAR LIGHTS ***** | USE | SPECIAL INSTRUCTIONS | |
| 1 | PASSENGER CARS, SPORT UTILITY VEH., PICK-UP TRUCKS, ROLLERS, MINIVANS | 1 | X | | | | | X | / | X | | <ul style="list-style-type: none"> * WARNING LIGHTS ON DURING WORK ZONE SET-UP/REMOVAL. * WARNING LIGHTS REMAIN ON IN HIGHWAY WORK ZONE. | <ul style="list-style-type: none"> * RED AND WHITE LIGHTS TO BE INSTALLED IN ACCORDANCE WITH THE MARYLAND MOTOR VEHICLE LAW. * AMBER FLASHING LIGHT INSTALLATION/USE MUST BE APPROVED BY ENGINEER. | |
| | | 2 | | X | | | | X | / | X | | | | |
| 2 | UTILITY VEHICLES, CREW CABS, DUMP TRUCKS, PAINT TRUCKS, BRIDGE INSPECTION VEHICLES, GRADERS, CRANES, SWEEPERS, LOADERS, EXCAVATORS, MOWERS, BACKHOES, FORKLIFTS, CARGO VANS, PASSENGER VANS, ETC. | 1 | | | X | X | | X | / | X | | <ul style="list-style-type: none"> * WARNING LIGHTS ON DURING WORK ZONE SET-UP/REMOVAL. * WARNING LIGHTS REMAIN ON IN HIGHWAY WORK ZONE. | <ul style="list-style-type: none"> * RED AND WHITE LIGHTS TO BE INSTALLED IN ACCORDANCE WITH THE MARYLAND MOTOR VEHICLE LAW. * AMBER FLASHING LIGHT INSTALLATION/USE MUST BE APPROVED BY ENGINEER. | |
| | | 2 | | | | | X | X | / | X | | | | |
| | | 3 | X | | | X | | X | / | X | | | | |
| 3 | VEHICLES RETROFITTED WITH ARROW PANEL OR PVMS | 1 | | | | X | | X | / | X | | <ul style="list-style-type: none"> * WARNING LIGHTS ON DURING WORK ZONE SET-UP/REMOVAL. * WARNING LIGHTS REMAIN ON IN HIGHWAY WORK ZONE. * WARNING LIGHTS THAT CONFLICT WITH ARROW PANEL OR PVMS SHALL BE TURNED OFF. | <ul style="list-style-type: none"> * RED AND WHITE LIGHTS TO BE INSTALLED IN ACCORDANCE WITH THE MARYLAND MOTOR VEHICLE LAW. * AMBER FLASHING LIGHT INSTALLATION/USE MUST BE APPROVED BY ENGINEER. | |
| | | 2 | | | | | X | X | / | X | | | | |
| 4 | SNOW PLOWS, HIGHWAY MAINTENANCE AND SERVICE VEHICLES WHILE IN USE FOR SNOW REMOVAL OR PROTECTION OF HIGHWAY MAINTENANCE WORKERS | 1 | | | X | X | | X | / | X | | <ul style="list-style-type: none"> * WARNING LIGHTS REMAIN ON DURING MAINTENANCE OPERATIONS. * WARNING LIGHTS THAT CONFLICT WITH ARROW PANEL SHALL BE TURNED OFF. | <ul style="list-style-type: none"> * RED AND WHITE LIGHTS TO BE INSTALLED IN ACCORDANCE WITH THE MARYLAND MOTOR VEHICLE LAW. * AMBER AND GREEN FLASHING LIGHTS INSTALLATION/USE MUST BE APPROVED BY ENGINEER. | |
| | | 2 | | | | | X | X | / | X | | | | |
| | | 3 | | | | | | X | X | / | X | | | X |
| | | 4 | | | X | | | X | / | X | X | | | |
| | | 5 | | | X | | X | X | / | X | X | | | |

KEY : X -REQUIRED, / -OPTIONAL

- * FLASHING LIGHT OR FLASHING ROTATING
- ** FLASHING LIGHT AND FLASHING ROTATING
- *** ONE FLASHING/ROTATING LEFT AND ONE FLASHING/ROTATING RIGHT
- NOTE: REAR AMBER FLASHING LIGHTS SHALL FLASH IN AN ALTERNATING MANNER
- **** IF A VEHICLE DOES NOT HAVE STANDARD EQUIPPED FOUR-WAY FLASHERS, THEY ARE NOT REQUIRED
- NOTE: ADDITIONAL LIGHTS SHOULD BE ADDED TO THE VEHICLE TO OUTLINE OBSTACLES ATTACHED TO THE VEHICLE SUCH AS A BLADE OR TRAILER
- ***** USE OF AMBER AND GREEN LIGHTS MUST BE SYMMETRICAL AND BE DISPLAYED IN AN ALTERNATING PATTERN.

DEVICE DESCRIPTIONS:

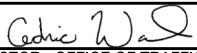
ROTATING LIGHTS - DEVICE DESIGNED TO PROJECT LIGHT ON A SWEEPING 360 DEGREE ARC.

LIGHT BAR - A HOUSING UNIT OR GROUP OF HOUSINGS OR UNITS CONTAINING AMBER LIGHTS OR LENSES WITH ONE OR MORE FLASHING WARNING LIGHTS IN EACH HOUSING.

FLASHING LIGHT - DEVICE THAT EMITS LIGHT IN PULSES AT A RATE NOT TO EXCEED 5 PULSES PER SECOND (5 HZ).

4-WAY FLASHERS - LIGHTS INSTALLED ON VEHICLES, REFERRED TO AS HAZARDS, THAT FLASH AT A CERTAIN RATE WHEN ACTIVATED.

NOTE: LIGHTS SHALL BE CLASS I AS DEFINED BY THE SOCIETY OF AUTOMOTIVE ENGINEERS (SAE).

| SPECIFICATION | CATEGORY CODE ITEMS |
|------------------------|--|
| APPROVED |  DIRECTOR - OFFICE OF TRAFFIC AND SAFETY |
| APPROVAL SHA REVISIONS | APPROVAL FEDERAL HIGHWAY ADMINISTRATION |
| APPROVAL | APPROVAL |
| REVISED | REVISED |
| REVISED | REVISED |
| REVISED | REVISED |

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

TEMPORARY TRAFFIC CONTROL VEHICLE LIGHTING SELECTION CHART

STANDARD NO.

MD 104.01-18B