SCHEDULE “12”

Equipment Fleet Operations Policy

MINISTRY OF TRANSPORTATION
EQUIPMENT FLEET OPERATIONS POLICY
FOR
MINISTRY AND MAINTENANCE CONTRACTOR
VEHICLES AND EQUIPMENT

The following are the minimum standards for the operation of ministry and maintenance contractors’ equipment fleets. This policy applies to vehicles and equipment licensed for operation on Provincial Highways including all Ministry-owned or leased and contractor-owned or leased equipment.

DEFINITIONS

(a) Contractor Operational Vehicles: Vehicles used in the performance or inspection of activities related to maintenance of the highway system; includes vehicles used to transport workers to the work site

(b) High Conspicuity Lighting: Technically improved lighting for severe visibility environment approved by the Ministry

(c) High Visibility Markings: Light reflective surfaces or striping

(d) Highways: As defined in Article 1 of this Maintenance Agreement

(e) Ministry Operational Vehicles: Vehicles used in the performance or inspection of activities related to the design, construction, rehabilitation and maintenance of the highway system including vehicles used to transport workers to the work site

(f) Non-Operational Vehicles: Vehicles used for going from point A to point B without stopping on the road or on the side of the road to perform or inspect work or to transport workers to the work site

(g) Performing or Inspecting Work: Performance or inspection of activities related to the design, construction, rehabilitation or maintenance of the highway system
GUIDING PRINCIPLES:

1. All Operational Vehicles and Equipment used to perform work on provincial Highways shall be at least 80% yellow.

2. Equipment lighting shall conform to Division 4 of the Motor Vehicle Act Regulations (B.C. Reg. 26/58).

POLICY:

1. (a) All Contractor Operational Vehicles and Equipment shall be painted at least 80% yellow (Sherwin-Williams # 36889-67) or if no longer available, a similar colour as selected by the Ministry; outfitted with a fixed amber rotating or strobe light as outlined in Section 3 below; and must be clearly identified as a maintenance contractor vehicle (See Appendix C to this Schedule).

   (b) Contractors’ employees shall not use personal vehicles on mileage to Perform or Inspect Work, unless the vehicles are painted yellow and are outfitted with a magnetic-mount amber rotating or strobe light as outlined in Section 3.

2. (a) All Ministry Operational Vehicles and Equipment shall be painted at least 80% yellow (Sherwin-Williams # 36889-67) or if no longer available, a similar colour as selected by the Ministry; outfitted with a fixed amber rotating or strobe light as outlined in Section 3 below; and must be clearly identified as a ministry vehicle (See Appendix C to this Schedule).

   (b) Ministry staff Performing or Inspecting Work using their personal vehicles (i.e., on mileage) shall use a temporary magnetic-mount amber rotating or strobe light (light output must meet criteria outlined in Section 3 below). Should the operator request a permanently mounted light, the Ministry will provide and install one at no cost to the operator.

3. All fixed amber rotating or strobe lights shall meet the following criteria:
   (a) 360º visibility;
   (b) be visible under all operating conditions;
   (c) have light intensity sufficient to warn motorists of the vehicle or equipment’s presence under variable operating conditions;
   (d) high intensity lamps must be utilized during daylight hours;
   (e) be dimmable for night work; and
   (f) have light duration of at least 30% of the on/off cycle.
Technically improved lighting, tested and approved by the Ministry may be used, provided the standards outlined in this policy are not altered in a way that would affect public or operator safety.

4. All Equipment (contractor and ministry) which restricts traffic flow (e.g. sanding/clearing trucks, sweeping trucks, graders) must display High Visibility Markings and High Conspicuity Lighting (See Appendices A and B). Lighting used to warn traffic of over width projections must have light intensity sufficient to warn motorists under all variable operating conditions.

5. Non-Operational Vehicles (contractor and ministry) are exempt from this policy.

The following are the **minimum standards** for the operation of **sub-contracted/hired/rented equipment** provided the equipment is not operating on a regular basis, i.e., 180 days or more a year. Equipment operating 180 days or more a year shall comply with the standards for Ministry or Contractor owned equipment.

**Sub-contracted/hired/rented equipment:**

1. is exempt from the colour requirements outlined in this policy;
2. shall comply with the Traffic Control Manual for Work on Roadways;
3. shall display a temporary magnetic-mount amber rotating or strobe light provided the light output is not diminished from the above noted standards;
4. equipment used for winter maintenance activities shall display High Visibility Markings and High Conspicuity Lighting (See Appendices A and B to this Schedule).
APPENDIX A

STANDARD LIGHTING CONFIGURATION
FOR SANDING/CLEARING TRUCKS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WARNING LIGHT, ROTATING AMBER OR STROBE</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>TAILGATE WARNING LIGHT, FLASHING AMBER</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>SLOPE/END LIGHT, WHITE</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>WARNING SIDE CLEARANCE LIGHT, AMBER HEAD</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>BACK-UP LIGHTS, WHITE</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>WIND/FLAP/HEAVY BOX LIGHT, AMBER ONLY</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>UNDERBODY FLAP LIGHT, AMBER ONLY</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>SANDER STAIN LIGHT, AMBER ONLY</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>REFRIGERATOR</td>
<td>1</td>
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<tr>
<td>10</td>
<td>TAILGATE/TUBE LIGHT SYSTEM &amp; LAMP ASSEMBLY</td>
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</tr>
<tr>
<td>11</td>
<td>DEXTER RES, FLASHER AMBER</td>
<td>1</td>
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<tr>
<td>12</td>
<td>WING FLASHING AMBER OR STROBE</td>
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</tr>
</tbody>
</table>

NOTE: ALL LAMPS TO MEET OR EXCEED MINISTRY OF TRANSPORTATION AND HIGHWAYS SPECIFICATIONS.

SAFETY LIGHTING STANDARD

Province of British Columbia
MINISTRY OF TRANSPORTATION AND HIGHWAYS

RÉVISIONS

Proced. 99602
STANDARD LIGHTING CONFIGURATION
FOR GRADERS

1. Warning light, rotating amber or strobe
2. Turning signal, side marker
3. Head lights
4. Clearance lights, side marker
5. Back-up lamp
6. Tail/stop/horn side marker
7. King lights
8. Driving lights
9. Intersection lights
10. Brake lights
11. Rear amber warning
12. Front reflector, amber
13. Rear reflector, red
14. Rear warning lights

Optional:
- Item 14: Used to illuminate the rear tandem when in neutral safety switch to prevent the lamps being illuminated when the grader is in motion.
- Item 14: Optional, 2nd headlamp set shall be wired through a switch to prevent more than one headlamp set from being on at one time.
- Item 11: Optional, 2nd back-up light, lamps

NOTE: All lamps to meet or exceed ministry of transportation and highways specifications.

Optional Headlamp & Back-up Lighting

Provincial of British Columbia
Ministry of Transportation and Highways

Safety Lighting Standard