

Transportation and Infrastructure Renewal

New Conditions for Overdimensional Moves

Effective October 13, 2009, the Department of Transportation and Infrastructure Renewal will be implementing new conditions for overdimensional moves.

The new conditions govern how loads exceeding 4.15m in height, 2.60m in width, and 23m in length move on our highways.

These new conditions will make special moves easier for industry, and harmonizes with the other Atlantic Provinces.

The highlights of the changes include:

- Single Trip Permits will now be valid for seven days.
- The responsibilities of the carriers are clearly defined (e.g. the carrier is responsible for obtaining permission from municipalities and utility companies before applying for a special move).
- Equipment specifications are defined for flags, flashing lights, d-signs, and lighted sign boxes.
- Permits the movement of loads between the hours 7:00 am to 9:00 am and 4:00 pm to 6:00 pm on all highways except those near Halifax Regional Municipality, and Cape Breton Regional Municipality.
- Escort vehicles are no longer required on vehicles with lengths less than 27.5 m.

Companies with existing annual special move permits will be issued new permits with the updated conditions. Permits issued as of October 13 will use the new conditions.th Full details of the new conditions are attached.

October 8, 2009

For more information contact Gary Holmes, Vehicle Standards Engineer, 902-860-5634, e-mail:

Gary.holmes@novascotia.ca

Over-Dimensional Moves

Purpose

The roadway system is designed to accommodate vehicles of certain standard sizes and dimensions. As a result, restrictions are applied for oversized moves greater than 2.6 metres in width, or 4.15 metres in height or 23 metres (except 25 metres for 'B' Train and Pole trailers) in length. Measurements are to be taken at the widest part of the load (including eaves, top of hull, etc.). All vehicles that do not conform to the prescribed limits must be in possession of a special move permit

Procedure(s)

Special over-dimensional move permits are issued for indivisible loads only.

Loads are considered indivisible if:

- for width, the load does not consist of articles placed side by side or cross-wise,
- for height, the load does not consist of articles placed on top of one another, and
- for length, the load does not consist of articles placed one behind the other.

The load must be placed upon the vehicle in such a way that the load exceeds the dimension limit to the least degree.

Administration of over-dimensional moves is done by staff at Service Nova Scotia and Municipal Relations. Transportation and Infrastructure Renewal staff (Area Managers) are normally involved only for exceptional moves.

Single trip permits will be valid for seven days.

Escort Vehicles

Escort vehicles (pilot vehicles) must be used when required to by the permit conditions. Guidelines for escort vehicle use can be found in the Escort Vehicle Drivers' Handbook.

Exceptional Moves

The following "Exceptional Moves" conditions are to be attached to all "Special Move Permits" when the width exceeds 5.49 metres, the length exceeds 30

metres or the height exceeds 4.88 metres. These conditions are in addition to, and may supercede, the conditions noted on the Special Move Form.

Moves for widths of 7.9 metres (26 ft) or greater must be approved by the District Director for each district affected by the move.

Moves wider than 9.1 metres (30 ft) are not permitted on any roads. Permits for moves greater than 40 metres in length must be approved by appropriate TIR staff.

For vehicles that exceed the above limits, the mover must obtain approval from the Municipality who owns any road that the move is to take place. Written confirmation of the approval must be provided to Service Nova Scotia and Municipal Relations before the permit will be processed. Confirmation is not required for roads that are owned by Transportation and Infrastructure Renewal. Failure to supply written notification to Service Nova Scotia by the applicant will result in a delay of the approval of the permit.

For loads with widths of 6.7 m or greater, or for lengths greater than 40 m, escorts may be required by RCMP or Municipal police in a marked car. Written confirmation from the escorting party is required before the permit will be issued. Any and all costs associated with provision of the escort are to be incurred by the movers. See condition 114 for more detail.

Moves in excess of 4.88 metres in height require the applicant to obtain written permission from NSP, Aliant and the applicable cable companies as part of the permit application prior to issuance of the permit.

Applicants are to allow ten (10) working days for exceptional move application processing.

Summary Table: Over-Height Move Conditions:

HEIGHT		CONDITIONS APPLICABLE	TYPE OF PERMIT
exceeding	up to and including		
4.15 m (13.6 ft)	4.27 m (14 ft)	1, 2, 3, 4, 5, 6, 7	Annual or Single Trip
4.27 m (14 ft)	4.88 m (15.75 ft)	1, 2, 3, 4, 5, 6, 7, 10, 12, 13, 14, 23	Single Trip Only
4.89 m + (15.75 ft+)		1, 3, 4, 5, 6, 7, 10, 12, 13, 14, 23, 115	Single Trip Only

Summary Table: Over-Width Move Conditions:

WIDTH		CONDITIONS APPLICABLE	TYPE OF PERMIT
exceeding	up to and including		
2.60 m (8.5 ft)	2.75 m (9 ft)	1, 2, 3, 4, 5, 6, 7	Annual or Single Trip
2.75 m (9 ft)	3.05 m (10 ft)	1, 2, 3, 4, 5, 6, 7, 22, 24	Annual or Single Trip
3.05 m (10 ft)	3.66 m (12 ft)	1, 2, 3, 4, 5, 6, 7, 22, 23, 24, 30, 31, 32, 38	Annual or Single Trip
3.66 m (12 ft)	4.27 m (14 ft)	1, 2, 3, 4, 5, 6, 7, 14, 15, 22, 23, 24, 30, 31, 32, 35, 36, 39	Annual or Single Trip
4.27 m (14 ft)	4.88 m (15.7 ft)	1, 2, 3, 4, 5, 6, 7, 11, 14, 15, 22, 23, 24, 30, 31, 32, 35, 36, 39, 104	Single Trip Only
4.88 m (15.7 ft)	5.49 m (18 ft)	1, 2, 3, 4, 5, 6, 7, 11, 14, 15, 22, 23, 24, 30, 31, 32, 36, 37, 39, 104	Single Trip Only
5.50 m + (18 ft+)		1, 3, 4, 5, 6, 7, 11, 14, 15, 22, 23, 24, 30, 31, 32, 101, 102, 103, 104, 105, 106, 107, 108, 111, 112 plus other applicable conditions from Section 2	Single Trip Only

Summary Table: Over-Length Move Conditions:

LENGTH		CONDITIONS APPLICABLE	TYPE OF PERMIT
exceeding	up to and including		
23 m (75 ft)	25 m (82 ft)	1, 2, 3, 4, 5, 6, 7	Annual or Single Trip
25 m (82 ft)	27.5 m (90 ft)	1, 2, 3, 4, 5, 6, 7, 22, 23	Annual or Single Trip
27.5 m (90 ft)	30 m (100 ft)	1, 2, 3, 4, 5, 6, 7, 22, 23, 30, 31, 32, 34	Annual or Single Trip
30.0 m (100 ft)	40 m (130 ft)	1, 3, 4, 5, 6, 7, 15, 22, 23, 30, 31, 32, 109, 112, 116	Single Trip Only
40 m + (130 ft+)		1, 3, 4, 5, 6, 7, 22, 23, 30, 31, 32, 109, 112, 114*	Single Trip Only

*Note: (114) Depending on circumstances surrounding the move, TIR may require the mover to obtain police escort for a portion or all of the moving route.

Summary Table: Front Over-Hangs Move Conditions:

FRONT OVER HANGS		CONDITIONS APPLICABLE	TYPE OF PERMIT
exceeding	up to and including		
1.0 m (3.2 ft)	2.0 m (6.4 ft)	1, 2, 3, 4, 5, 6, 7, 20, 21	Annual or Single Trip
2.0 m + (6.4 ft+)		1, 2, 3, 4, 5, 6, 7, 20, 21, 22, 23	Annual or Single Trip

Summary Table: Rear Over-Hangs Move Conditions:

REAR OVER HANGS		CONDITIONS APPLICABLE	TYPE OF PERMIT
front	rear		
2.0 m (6.4 ft)	3.05 m (10 ft)	1, 2, 3, 4, 5, 6, 7, 20, 21	Annual or Single Trip
3.05 m (10 ft)	5.5 m (18 ft)	1, 2, 3, 4, 5, 6, 7, 20, 21, 22, 23, 30, 31, 32, 33	Annual or Single Trip
5.50 m + (18.5 ft+)		1, 2, 3, 4, 5, 6, 7, 20, 21, 22, 23, 30, 31, 32, 33	Single Trip Only

1 Standard Conditions

- 1 A valid permit, obtained from Service Nova Scotia and Municipal Relations must be in the possession of the driver of the vehicle and is subject to revocation at any time.
- 2 For roads that are not owned by the Department of Transportation and Infrastructure Renewal, the mover must contact the Municipality who owns the road.
- 3 The vehicle is not permitted on any highway during adverse road and weather conditions, or when visibility is reduced as to create a hazard.
- 4 A distance between over dimensional vehicles must be no less than 500 metres while operating on a highway.
- 5 The vehicle must observe traffic and must, when traffic begins to accumulate behind the movement, pull off the road and allow traffic to pass.
- 6 The mover will be held responsible for all damages caused as a result of the moving of the special move permitted vehicle.
- 7 If the view to the rear is obstructed or interfered with by a trailer (either loaded or unloaded) attached to the vehicle, or by the loading of the vehicle, an outside rear vision mirror must be

attached to each side of the vehicle to afford the driver a clear view to the rear of at least 60 metres.

2 Operational Restrictions

- 10 The vehicle is not permitted to travel between sunset and sunrise as determined by the National Research Council at:
<http://www.nrc-cnrc.gc.ca/eng/services/hia/sunrise-sunset.html>.
- 11 The vehicle is not permitted on any two (2) lane road and on any multilane highway in HRM and CBRM between the hours of 7:00 am to 9:00 am and 4:00 pm to 6:00 pm.
- 12 The vehicle must stop before entering all underpasses; safe clearance must be confirmed before proceeding at creep speed.
- 13 The mover must contact Nova Scotia Power (NSP), Aliant and local cable companies prior to the move.
- 14 If crossing the Canso Causeway, the mover must contact the RCMP 24 hours in advance to determine the time of the move.
- 15 The vehicle is not permitted on any highway after 3:00 pm on any Friday, and after noon hour on any Saturday, Sunday or public holiday. The statutory holidays in Nova Scotia are:
 - New Years Day
 - Good Friday
 - Victoria Day
 - Canada Day
 - Natal Day
 - Labour Day
 - Thanksgiving Day
 - Remembrance Day
 - Christmas Day
 - Boxing Day

3 Warning Devices

- 20 Square flags must be on the extremities of the overhang. Equipped flags must:
 - a be placed at each corner of the loads, and where applicable, at the extremity of a protrusion for an over-width load.
 - b be placed on the extremities of the rearmost point of the load for an over-length load.

- c measure at least 40 cm on each side.
 - d must be mounted on staff and fastened at two consecutive corners of the flag.
 - e be made of fabric or flexible plastic.
- 21 Reflective tape must be on both sides of the overhang during night moves. Reflective tape must comply with CMVSS 108 Conspicuity Systems - Section S5.7 (available through Transport Canada <http://www.tc.gc.ca/acts-regulations/regulations/crc-c1038/sch-iv/108/menu.htm>).
- 22 The vehicle must display a revolving or flashing amber warning light on the top of the towing vehicle, and must:
- a be visible for a distance of 300 metres in all directions (if the light is blocked, it may be necessary to use more than one revolving light).
 - b flash 60 - 90 times per minute.
 - c be mounted a minimum of 1.5 m from the ground.
- 23 The overdimensional vehicle must display a "D" sign (Over-Dimensional Load Signs) on the front and rear of the vehicle. D-signs for load carrying vehicles must meet the following requirements:
- a 240 cm to 245 cm wide, 30 cm high, 20 cm high Letter Series E font.
 - b White level II reflectance and stop sign red (#712 3M or equivalent).
 - c The sign panel must be fabricated of retro reflective material.
 - d The "D" sign must not be used when not operating under special move conditions.
- 24 Square flags or flashing lights must be used at the extremities of the load during the day. Flashing lights must be used at the extremities of the load during the night. Equipped flags must:
- a be placed at each corner of the load, and where applicable, at the extremity of a protrusion for an over-width load.
 - b be placed on the extremities of the rearmost point of the load for an over-length load.
 - c measure at least 40 cm on each side.
 - d must be mounted on staff and fastened at two consecutive corners of the flag.

- e be made of fabric or flexible plastic.
- Flashing amber lights must:
- a be visible for a minimum of 150 m from the front, rear and sides of the vehicle.
 - b be mounted at each corner of the load, and where applicable, at the extremity of a protrusion.
 - c must flash at a rate of 60 - 90 flashes per minute.

4 Escort Vehicles

- 30 Vehicles used to provide escort services during the movement of overdimensional loads must:
 - a have a Gross Vehicle Weight Rating no greater than 8000 kg
 - b have no more than 2 axles
 - c have a wheelbase of at least 2.5 m
 - d not carry cargo or tow a trailer. Only equipment and passengers related to the movement of the oversize/overweight load can be carried in the escort vehicle.
 - e have clear visibility to the rear from all mirrors.
 - f have a two-way radio which allows communication with the overdimensional vehicle, and other escort vehicles involved with the movement, at all times (cellular telephones are not to be used for this communication purpose).
 - g have a cellular telephone for communication with police and other emergency services. If two escort vehicles are required for movement of an overdimensional vehicle or load, one cellular telephone is acceptable.
 - h have a "D" sign on the front and rear of the vehicle or lighted signbox on the vehicle.
- 31 D-signs for escort vehicles must meet the following requirements:
 - a 180 cm wide, 30 cm high, 20 cm high Letter Series E font.
 - b White level II reflectance and stop sign red (#712 3M or equivalent).
 - c The sign panel must be fabricated of retro reflective material.

- d The "D" sign must not be used when not operating under special move conditions.
- 32 A lighted sign box, if used, must meet the following specifications:
- a the sign must be upright when in use, and clearly visible from the front and rear of the vehicle. The sign must be folded flat when not in use or not required, or must be removed from the vehicle.
 - b the box must be 180 centimetres x 35 centimetres x 10 centimetres and must shelter all wire connectors, switches, flashers, etc.
 - c A sufficient number of lamps must be mounted in the box and spaced to give even lighting of the sign background across its full width.
 - d the sign panel must be constructed of white plexi-glass with red bars painted with transparent red paint. The letter "D" must be white in color and must be 20 centimetres high, Series E.
 - e must consist of two 175-millimetre (minimum) amber lights with reflectors, rated at 12.5 volts, 3 amps and 0.50 candela with a rated life of 300 hours.
 - f must consist of 2 standard 203-millimetre revolving or flashing amber lights, with 2 sealed beam units per lamp.
 - g The sign box must be deactivated, removed, or covered when not operating under special move conditions.
- 33 An escort vehicle is required at the rear of the vehicle
- 34 An escort vehicle is required at the rear of the vehicle on 2 lane roads.
- 35 During daytime travel an escort vehicle is required at the front of the vehicle on 2 lane roads.
- 36 During daytime travel an escort vehicle is required at the rear of the vehicle on multi-lane highways.
- 37 During daytime travel escort vehicles are required at the front and at the rear of the vehicle on 2 lane roads.
- 38 During nighttime travel an escort vehicle is required at the front of the vehicle on 2 lane roads and at the rear of the vehicle on multi-lane highways. Sunset and sunrise are as determined by the National Research Council at <http://www.nrc-cnrc.gc.ca/eng/services/hia/sunrise-sunset.html>.

39 During nighttime travel escort vehicles are required at the front and at the rear of the vehicle. Sunset and sunrise are as determined by the National Research Council at <http://www.nrc-cnrc.gc.ca/eng/services/hia/sunrise-sunset.html>

5 Exceptional Move Conditions

- 101 Prior to the move, the mover is responsible for contacting any Fire Department through whose territory the move is to travel.
- 102 Prior to the move, the mover is responsible for contacting Emergency Health Services Nova Scotia to notify them a special permitted move will be made.
- 103 The routing for each move is to be approved. The route is to be listed in order of travel and by road name, with the distance to be travelled along each road. The propose route must state the civic addresses of the origin and destination, and reference each section of the road(s) to be used in the order of travel. A copy of the route must be attached to the permit and kept with the vehicle at the time of the move.
- 104 One lane of traffic is to be kept open when moving on 100 Series highways. Bridges are generally not wide enough to allow one lane to stay open, therefore, moves must wait until there is a sufficient break in traffic to cross the bridge. For the Seal Island Bridge, the Canso Causeway, or other locations where it is required to close the road for a short period of time, an RCMP escort or full traffic control as per the NS Temporary Workplace Traffic Control Manual is required (<http://www.gov.ns.ca/tran/tcm/>).
- 105 The mover must be insured for \$2,000,000.00 with the Crown named as co-holder of the policy.
- 106 When required, a scout vehicle is to be a sufficient distance ahead of the move, and in radio contact, to identify potential problems and allow the load to be pulled over as needed. A scout vehicle is required for moves exceeding:
- i. 7.9 metres in width on all divided highways
 - ii. 6.7 metres in width on non-divided controlled access highways
 - iii. 5.5 metres in width on all other highways.
- 107 The mover is to predetermine locations to pull over.
- 108 Stopping of special permitted vehicle is not allowed where a portion

- of the roadway would be obstructed.
- 109 Moves are to be made between 12:01 a.m. and 6:00 a.m. only (unless governed by #110).
- 110 Moves exceeding 5.5 metres in width must be made from 3:00 a.m. to 9:00 a.m. Sundays only. (modification to general condition #15).
- 111 Escort vehicles, displaying D-signs front and rear and an amber warning light on top of the escort vehicle visible for a distance of 150 metres, are required to precede and follow moves on all but divided highways. On divided highways, an escort vehicle is to follow the move.
- 112 Escort vehicles, displaying D-signs front and rear and an amber warning light on top of the escort vehicle visible for a distance of 150 metres, are required to precede and follow the move.
- 113 A complete compliment of signs, cones and flares is to be carried at all times during a move, to provide sufficient warning in the event of a breakdown.
- 114 Written confirmation from the escorting party (police) must be received prior to the release of the permit. Escort must be provided by an RCMP or Municipal police officer in a marked vehicle. Any and all costs associated with provision of the escort are to be incurred by the movers. See following table:
- Divided highways
 - 5.5 m up to 6.7 m - N/A
 - 6.7 m up to 7.9 m - N/A
 - 7.9 m up to 9.1 m - Scout Vehicle Required
 - Undivided Controlled Access
 - 5.5 m up to 6.7 m - N/A
 - 6.7 m up to 7.9 m - Scout Vehicle Required
 - 7.9 m up to 9.1 m - Permitted only with police escort
 - Other highways
 - 5.5 m up to 6.7 m - Scout Vehicle Required
 - 6.7 m up to 7.9 m - Road closure or police escort, detour route required

- 7.9 m up to 9.1 m - Road closure or police escort, detour route required
- 115 For moves in excess of 4.88 m in height, the applicant is required to receive written permission from NSP, Aliant and the applicable cable companies, and submit it as part of the permit application prior to issuance of the permit.
- 116 Mover must notify RCMP and/or local police agency with schedule and timing of move.
- 117 When the move takes place after daylight hours, load must be equipped on the rear left and rear right with flashing amber lights visible for a distance of 150 metres.
- 118 Over-height loads that are also over-width are required to move at night unless otherwise noted by the Area Manager. Over-width moves that exceed 4.88 metres in height are not allowed on divided highways if more than 7.9 metres wide, or on undivided controlled access highways if more than 6.7 metres wide or on other highways if over 5.49 metres wide except as outlined in the following:
On non-controlled access highways, moves which are both overwidth (greater than 5.5 metres) and over-height (greater than 4.88 metres) may be allowed when the total move is 7.5 kms. or less. Full traffic control is required for each leg of the move (as per Section 4 - Road Closures) and there must be sufficient time between legs to remove traffic backlogs. There must also be a detour around each leg (as per Section 5 - Detours).

6 Other

For moves involving boats which have a hull width greater than 5.5 metres and are moved locally, the Area Manager, depending on the conditions surrounding the move, may waive the requirement for a police escort and determine the timing of the move.

All of these are general rules; stricter requirements may be imposed by the Area Manager.

Any requested movements of oversize non-divisible loads which fall outside this procedure may be taken under consideration only under

exceptional circumstances. In these cases, approval MUST come from the Executive Director Maintenance & Operations.

In cases where the Department indicates to an applicant that it may be willing to consider an oversized move request which falls outside the maximum limits outlined in this policy, and before a formal review is undertaken, a complete and fully detailed Traffic Management and Physical Move Plan must be submitted by the applicant to the Department. The Department may require that the applicant provide further clarification and or details regarding this plan. Any and all costs associated with the preparation of the Traffic Management and Physical Move Plan and its review will be at the applicants expense. The applicant must be cautioned that agreement by the Department to review a Traffic Management and Physical Move Plan does not imply in any way that the move will be permitted.

Only after such a review is completed will a final decision be made on issuing a permit.

7 Additional Conditions which may also be specified for any move

200 Spacing of between 100 metres to 500 metres between pilot vehicles and the laden vehicle must be maintained while moving along highways.

201 A police escort or traffic control as per the NS Temporary Workplace Traffic Control Manual is required at intersections where the load is involved in turning movements that require traffic to be stopped.

8 Road Closures

Full road closure is required as per the NS Temporary Workplace Traffic Control Manual. The maximum length of a road closure is 3 kms. as per the NS Temporary Workplace Traffic Control Manual. Moves greater than 3 kms. must be done in a series of “legs” each of which conforms with the above.

9 Detours

A detour with a maximum length of 40 kms. must be available around the section of road to be closed.

Accountability

Service Nova Scotia and Municipal Relations is responsible for the issuing of permits. TIR, through the Vehicle Compliance Division, is responsible for enforcement. Area Managers are responsible to review over-width moves in excess of 5.5 metres and under 5.5 metres if requested by administrative staff, as well as over-height moves in excess of 4.88 metres. The Manager Highway Maintenance & Operations is responsible to review over-length moves in excess of 30 metres.

Monitoring

This procedure is to be monitored by the Director of Driver and Vehicle Safety, Service Nova Scotia and Municipal Relations, in conjunction with the TIR District Directors.

References

Canadian General Standards Board Specifications 62-GP-11M
Special Moves Permit Form
Nova Scotia Workplace Traffic Control Manual
Escort Vehicle Drivers' Handbook

Appendices

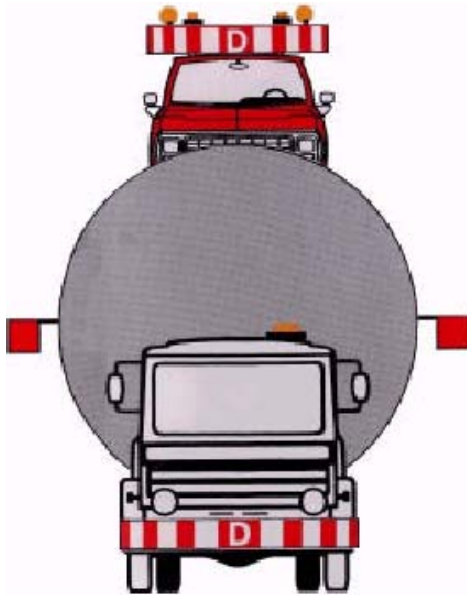
Escort Vehicle Drivers' Handbook

Enquiries

Highway Maintenance & Operations

**Overdimensional Special Permit
Movements within Atlantic Canada**

**Escort Vehicle
Drivers' Handbook**



November 2008

Preface:

The document that follows has been prepared as an informational guidebook for Escort Vehicle drivers in support of harmonization of special permit conditions for movement of indivisible overdimensional vehicles and loads within Atlantic Canada.

Special Permits - General Information

*New Brunswick Dept of Transportation
(506) 453-3939*

*Prince Edward Island Transportation and Public Works:
(902) 368-5228*

*Service Nova Scotia and Municipal Relations:
(902) 424-5536*

*Newfoundland and Labrador Government Services:
(709) 729-2519*

Introduction

As the driver of an escort vehicle, you are part of a team doing the important job of safely moving overdimensional loads on the public highways.

You carry much of the responsibility for protecting the public, a valuable load, the load driver and yourself.

Your duties go beyond just carrying an overdimensional sign. At every phase of the movement of an overdimensional load, you will have specific tasks to perform. The success of the trip will depend a lot on your skill, alertness and good judgement.

Table of Contents

1. Driver Requirements	5
2. Escort Vehicle Requirements	6
a) Vehicle Requirements	6
b) Equipment Requirements	6
c) Overdimensional or “D” signs specifications	8
d) “D” sign light box	9
3. Escorting Overdimensional Loads	10
a) Rules of the Road	10
<i>Traffic Signals and Signs</i>	<i>10</i>
<i>Road Markings.....</i>	<i>10</i>
<i>Drivers Signals.....</i>	<i>10</i>
<i>Maintain a Safe Following Distance</i>	<i>10</i>
<i>Stopping Under Special Conditions.....</i>	<i>10</i>
<i>Right-Of-Way Rules.....</i>	<i>11</i>
<i>Defensive Driving.....</i>	<i>11</i>
b) Movement of Overdimensional loads	12
c) Before the Trip	14
d) During the trip	15
<i>Traffic signals.....</i>	<i>15</i>
<i>Traffic Build-up.....</i>	<i>15</i>
<i>Weigh Scales and Inspection Stations</i>	<i>16</i>
<i>Breakdowns and inclement weather.....</i>	<i>16</i>
<i>If a collision occurs</i>	<i>16</i>
<i>Reporting a Collision.....</i>	<i>17</i>
e) Escort Vehicle Driver's Role	18
<i>Front escort.....</i>	<i>18</i>
<i>Rear escort</i>	<i>18</i>
<i>Advance escort</i>	<i>18</i>
f) After the Trip	19

1. Driver Requirements

To qualify as an escort vehicle driver you should:

- Have a valid, full¹ driver's license from the province, territory or state in which you are resident
- Have no less than one year's experience with a full driver's license
- Have successfully completed a recognized course on defensive driving
- Comply with all terms, conditions, requirements and or regulations set forth by the agency(s) responsible for special permits for movement of overdimensional loads on the routes to be followed during the movement of the load.

¹ "Full License" - means having completed the last phase of graduated licensing program, where applicable

2. Escort Vehicle Requirements

a) Vehicle Requirements

Vehicles used to provide escort services during the movement of overdimensional loads must:

- have a Gross Vehicle Weight Rating no greater than 8000 kg
- have no more than 2 axles
- have a wheelbase of at least 2.5 m
- not carry cargo or tow a trailer. Only equipment and passengers related to the movement of the oversize/overweight load can be carried in the escort vehicle
- have clear rearward visibility from all mirrors
- have annual mechanical fitness inspections.

b) Equipment Requirements

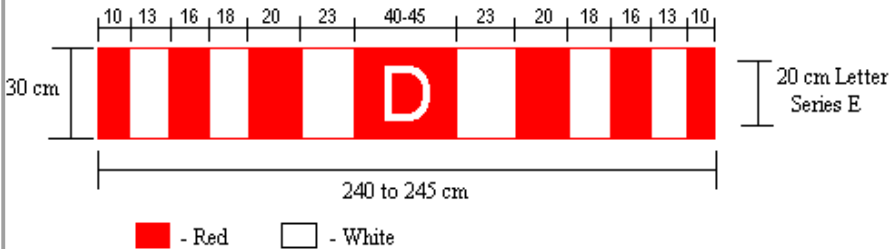
Each escort vehicle must be equipped with:

- Three approved warning devices (red flares or lamps, lanterns, reflectors or advance warning triangles)
- One warning flag per crew member for flagging during emergency situations, 40 cm by 40 cm, fluorescent red or orange, mounted on a staff and fastened at two consecutive corners
- One reflective vest per crew member
- One hard hat per crew member, which must be worn when out of the vehicle during escort operations.
- Three "Stop/slow" traffic control paddles for emergency situations
- One flashlight equipped with signal tube per crew member
- An approved "D" Sign, positioned so that it is readily visible to motorists approaching the overdimensional load (see following sections for specifications)

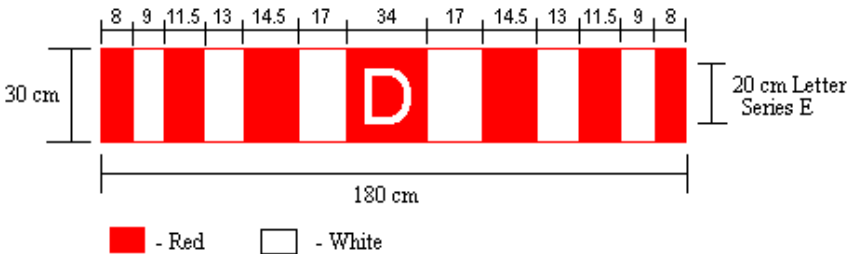
- A two-way radio which meets Communications Canada standards (for communicating with the load vehicle and other escort vehicles)
- A cellular telephone (for communication with police and emergency service agencies). If two escort vehicles are required for a movement of an overdimensional vehicle or load, only one cellular phone is required.
- A first aid kit and a fire extinguisher
- Additional safety equipment as may be needed for emergencies.

c) Overdimensional or “D” signs specifications

Large Sign for Oversize Vehicle Section Widths (cm)



Small Sign for Escort Vehicle Section Widths (cm)



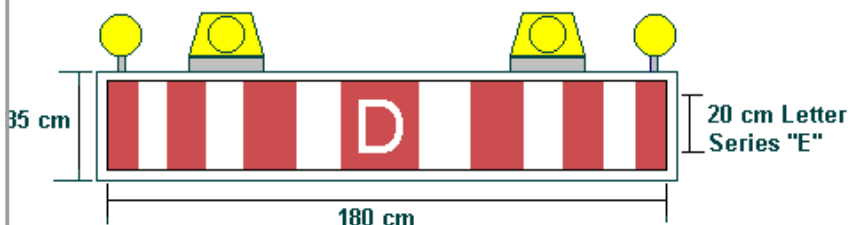
“D” Sign Requirements

a. Dimensions	Overdimensional Vehicle - 240 to 245 cm wide by 30 cm high Escort Vehicle - 180 cm wide by 30 cm high
b. Colour	White level II reflectance and stop sign red (# 712 3M or equivalent)
c. Material	Retro-reflective, on a hard, flat surface
d. Position	Visible from the rear and front of the overdimensional vehicle or load

d) "D" sign light box

Instead of the panel described in section c), the escort vehicle may be equipped with a lighted sign box, which meets the following specifications:

- the sign must be upright when in use, and clearly visible from the front and rear of the vehicle (the sign must be folded flat when not in use or not required, or must be removed from the vehicle)



- Box Dimensions - the box must be 180 centimetres x 35 centimetres x 10 centimetres and constructed of mild steel material with inside and outside surfaces of baked white enamel. The box must shelter all wire connectors, switches, flashers, etc.
- Illumination - A sufficient number of lamps must be mounted in the box and spaced to give even lighting of the sign background across its full width.
- Sign Panel - the sign panel must be 3 millimetres thick, with a white plexi-glass background with red bars painted with transparent red paint. The letter "D" must be white in color and must be 20 centimetres high, Series E.
- Outboard Lights - must consist of two 175-millimetre (minimum) amber lights with reflectors, rated at 12.5 volts, 3 amps and 0.50 candela with a rated life of 300 hours.
- Inboard Lights - must consist of 2 standard 203-millimetre rotating amber lights, with 2 sealed beam units per lamp.

3. Escorting Overdimensional Loads

a) Rules of the Road

Traffic Signals and Signs

The traffic signals and signs, for all drivers must also be obeyed during escort operations. For example, escort drivers are required to stop for red lights and school buses and to drive strictly in accordance with all regulatory signing.

Road Markings

Road markings improve highway safety by providing important traffic control information to motorists. Escort operators should carefully observe all road markings and never drive to the left of a solid double yellow centerline.

Drivers Signals

Escort drivers should give proper signals in advance of turning at intersections or when changing lanes.

Maintain a Safe Following Distance

As a general rule, the two-second rule should be used to assure that a correct following distance is being maintained. To determine if the following distance is proper, the driver should note when the vehicle ahead passes a definite point on the road (such as a tar strip or telephone pole). Then the driver should count "one thousand and one, one thousand and two". If the driver reaches the mark before completing the count, the following distance is too close and a greater Interval is needed. The two-second rule is applicable regardless of vehicle speed. Escort drivers, who follow the overdimensional load or other traffic at distances less than a safe distance, are not giving themselves enough time or distance to respond to emergency situations.

Stopping Under Special Conditions

When the driver of the overdimensional load or the escort operator is forced to stop (except momentarily) on any portion of the road, the drivers should immediately set out three warning flares, torches, or reflectorized triangular warning signals to warn approaching traffic of the hazard. Every precaution should be

taken to remove the load and escort vehicles from the roadway

Right-Of-Way Rules

Escort drivers are required to obey all right-of-way rules, especially at intersections in urban areas and when entering or leaving a limited access highway. The size of the load is not justification for assuming that other drivers must yield to the load or the escort vehicles.

Defensive Driving

A defensive driver is a person who is always alert, and takes every reasonable precaution to prevent traffic mishaps, over and above what is required by law. Because the movement of every overdimensional load affects the normal flow of traffic on the highway, the escort driver must develop a positive attitude toward accident prevention. A defensive driver must anticipate possible accident problems by evaluating constantly changing situations and planning preventive measures. Escort drivers should consider the "accident prevention formula" which follows:

- *See the Hazard*: Think about what is going to happen as far ahead of encountering the situation as possible. Never assume everything will be "all right"
- *Understand the Defense*: There are specific ways of handling specific situations. Learn these ways and be prepared to apply them when the need arises
- *Act in Time*: Once you have perceived the hazard and determined the defense, act immediately. Never take a "wait and see" attitude

b) Movement of Overdimensional loads

Before a load that exceeds legal size and weight limits can be transported, the driver of the vehicle transporting the load must obtain the necessary special permit(s) from the appropriate authorities. The permit specifies general and specific conditions under which the movement must be made.

- Permits are not issued to the drivers of escort vehicles but every escort driver must comply with the permit conditions that cover escort operations.
- Escort vehicles must maintain an adequate distance in front of or behind the unit carrying the load in order to warn approaching vehicles of the overdimensional load.
- All escort vehicle drivers and the overdimensional load driver must be able to communicate at all times by two-way radio.
- Overdimensional load movements may not travel in convoy unless special permission has been given to the operators involved in the move. The driver of the overdimensional vehicle should take every opportunity to allow following traffic to pass. If traffic build-up behind the unit becomes heavy, the entire combined unit should move off the travelled portion of the roadway to allow traffic to pass safely.
- Travel on all highways must be within the right-hand lane with the overhang extending over the shoulder except where there are roadside obstacles. Passing slower vehicles is allowed where this can be done safely.
- Red or orange flags must be displayed at each of the four corners of the overdimensional load. These must be at least 40 cm x 40 cm (16" x 16") and be in good condition.
- Vehicle headlights and other non-flashing exterior lights should be turned on during the move, including those of the escort vehicle.
- "D" signs shall be properly displayed on the overdimensional vehicle and on each escort vehicle.
- Other standard conditions may also be imposed on the permit, and the escort vehicle driver should be aware of these conditions, including:

- Restrictions on days and/or times of travel;
- Limits on load overhangs;
- Speed limits;
- Flags, lights and warning devices;

It is the responsibility of the escort vehicle driver to make the travelling public aware of the presence of an overdimensional load and to warn traffic when necessary.

Escort vehicle drivers also help the driver of the vehicle transporting the load move the load as safely as possible with the least possible delay and inconvenience to the travelling public.

Depending on the size of the load and the type of highway, either front or rear escort vehicles, or both, will be required.

When permitted by provincial laws, one or more escort vehicle drivers or other appropriately trained personnel may be required to control traffic, whether due to an emergency situation or as a condition of the permit at bridges. All persons performing traffic control are responsible for knowing and abiding by the required procedures, policies and regulations in each province for controlling traffic.

c) Before the Trip

It is important for all members of the team responsible for moving an overdimensional load to check their equipment and to make sure that everyone understands the permit, the route and each person's responsibilities.

Being comfortable and familiar with the escort vehicle is an important factor, and drivers should familiarize themselves with the vehicle's performance and operating characteristics before escorting an overdimensional load.

- Check the permit for any special requirements or instructions.
- The escort driver should advise the permit holder whether the permitted load has the proper signing, lighting, and special requirements as designated on the permit, prior to escorting. Vehicles that do not meet or respect all of the conditions outlined on the permit will not be allowed to proceed from an inspection station or weigh scale, until the situation is corrected.
- Make sure everyone understands the route and directions to be taken.
- Plan ahead; verify any hazards or concerns that may be encountered along the route
- Confirm the load's dimensions before departing to understand the space required for turning and clearances for bridges, tunnels and roadside objects.
- Check all equipment for the escort vehicle(s). The sign should be securely mounted, mirrors adjusted, lights turned on and all safety equipment accounted for.
- Check all radios and select an appropriate two-way channel.
- Each escort driver should check to ensure that they have their driver's license and escort certification (if required) are in their possession at all times during the trip so they are available for inspection by appropriate authorities. The operator of the oversize/ overweight load should also check to ensure the escort drivers are certified (if that is required). The permit must accompany the load in the cab of the truck.

d) During the trip

The safety of the travelling public is of primary importance. Escort drivers must obey all traffic laws and regulations - don't be tempted to assume that other drivers will yield the right of way because of the size of the load.

Alertness will help avoid collisions and may even save lives.

For example: it is easy not to notice pedestrians dressed in dark clothing, or vehicles stopped without lights, on the road ahead, especially during the difficult lighting conditions of dusk or dawn. But with an overdimensional load extending onto the shoulder, failure to warn the load driver in time could mean a tragedy.

If there is any chance that an obstacle ahead could cause problems, notify the load driver immediately. That's your job.

Traffic signals

When travelling a route controlled by traffic lights, care should be taken that stopping for signals does not cause the escort vehicles and load to be widely separated.

If the escort vehicle passes through the intersection but the load is required to stop, the escort vehicle driver should pull over as soon as possible on the right-hand side of the road and resume travel as the load approaches at the required distance.

When the rear escort vehicle is stopped by a red light which has been cleared by the load, the load driver should proceed, and the rear escort vehicle driver should catch up to the load as soon as possible.

The escort vehicle driver(s) must be alert and avoid sudden stops at traffic signals.

Traffic Build-up

When there are more than three vehicles following the unit, or when following traffic is held up for more than a few minutes, the escort driver(s) should help the load driver find a suitable place for the vehicles to pull off the travelled portion of the roadway and

allow the traffic to pass safely.

Weigh Scales and Inspection Stations

Escort vehicles must accompany the overdimensional load to weigh scales and inspection stations. Drivers should be prepared for inspection of the escort vehicle, its equipment and confirmation of certification as a escort vehicle driver (if driver certification is required).

Breakdowns and inclement weather

When inclement weather causes poor visibility and driving conditions, or there are such problems as mechanical breakdowns, a safe place should be found to remove the load from the roadway.

On winding or narrow roads or where obstacles are located near the road, approaching motorists may not be able to see the load clearly until they are very close to it.

In these cases, the escort driver should travel to a point where the escort vehicle can be seen clearly from some distance away.

If a collision occurs

Avoid a second collision by pulling completely off the road. Turn on the vehicle's hazard warning lights and use red flares or lamps, lanterns, reflectors or advance warning triangles to warn approaching traffic of the problem.

If moving off of the roadway is impossible, use flagging to stop or divert traffic.

- Get help: Dial 911 for police and ambulance. If you are in an area where no cellular phone connection is available, ask the next person who stops to phone for police and ambulance. Use the two-way radio but do not rely on it as a sole means of requesting aid.
- When trained personnel arrive (rescue squad, police, fire, etc.) give a brief summary of what you've done and ask if you can be of further assistance, but do not interfere with their efforts to care for the injured.

Reporting a Collision

Report to police authorities as quickly as possible any collision:

- in which a person is killed or injured, or
- in which a vehicle or other property is damaged, to the extent of reportable accidents.

e) Escort Vehicle Driver's Role

Front escort

The driver of the escort vehicle ahead of the overdimensional load will:

- Warn oncoming traffic an overdimensional load is following, by travelling 300 to 1000 metres ahead of the load and displaying an approved dimensional sign and flashing lights.
- Use a two-way radio to warn the load driver of any potential problems ahead, including hazards, pedestrians or obstructions such as parked vehicles, on the road ahead.
- Make sure the vehicles are following the route specified on the permit.
- Find safe places for the vehicles to pull over in order to allow following traffic to pass safely.
- Inform the driver of the overdimensional vehicle and rear escort that they are approaching a structure which will require a speed reduction as required by permit.

Rear escort

The driver of the escort vehicle following the overdimensional load will:

- Warn traffic approaching from the rear that an overdimensional load is ahead by travelling 100 to 300 metres behind the load and by displaying an approved dimensional sign and flashing lights.
- Use a two-way radio to warn the load driver of flat tires, objects coming loose from the load, defective lights and other potential hazards the driver may not be aware of.
- Notify the front escort driver and the oversize / overweight load operator of traffic buildup and other delays to the normal flow of traffic.
- Notify the load driver of motorists attempting to pass the load.

Advance escort

In cases where the overdimensional load is very large, the special

permit may require three escort vehicles; usually two in the front and one in the rear.

The advance escort vehicle will normally be required to travel well ahead of the overdimensional load to provide advance warning of hazards and to warn and/or control other traffic prior to the arrival of the load.

f) After the Trip

When the trip is over, the amber flashing (or revolving) lights must be turned off, and any flags must be removed. The “D” sign(s) must be removed, folded down, or covered up, such that they are not visible by other traffic on the highway. “D” sign(s) may only be displayed on the highway when an oversize move is in progress.