

Victoria's HPFV Network for 73t Quad-Tri and 77.5t Quad-Quad B-Doubles – Information sheet

This document provides information on the Victoria road access policies for Performance Based Standards (PBS) 30 metre Super B-Doubles up to 77.5 tonnes.

What is the difference between current BDoubles and HPFVs?

B-Doubles are up to 26 metres long and have a Gross Combination Mass (GCM) of 68.5 tonne. In Victoria, a High Productivity Freight Vehicle (HPFV) is a heavy vehicle combination that exceeds 26 metres and/or has a GCM in excess of 68.5 tonne.

What roads can be accessed by HPFVs?

The Victorian HPFV network is being developed with a focus on providing access to primary freight routes connecting with Victorian Ports, interstate links and key industries.

VicRoads is progressively assessing more freight routes to continue to expand the HPFV network. A map and details of Victoria's HPFV network are available on VicRoads website via <https://www.vicroads.vic.gov.au/business-and-industry/heavyvehicle-industry/heavy-vehicle-map-networks-in-victoria>

Why is the B-Double HPFV network different to Victoria's current B-Double network?

Not all roads and road infrastructure can safely provide access to HPFVs that are longer and heavier than 68.5t B-Doubles. This can be as a result of bridges that have not been built to cater for the heavier HPFVs or the road geometry is not suitable for vehicles longer than 26m.

What do the different coloured roads stand for on the VicRoads HPFV Mass map?

The help distinguish the HPFV access status of different roads the following colours have been used:

- Green = approved for HPFV at full mass
- Orange = approved for HPFV at reduced mass
- Blue = approved for HPFV at full mass following highway upgrade
- Red = restricted to 68.5 tonnes
- Purple = currently under assessment

What are the specific dimension limits?

The dimension limits for Quad-Tri and Quad-Quad B-Doubles on the HPFV Mass network are as follows:

	Approved Dimensions
Maximum Length (for exclusive operation in metropolitan Melbourne)	30m
Maximum Length (in Regional Victoria)	36.5m
Maximum Height	4.3m
Maximum Width	2.5m

What are the specific mass limits?

The mass limits for B-Double HPFV operating on the network are as follows:

	Approved Mass
Steer axle	6t
Steer axle ¹	6.5t
Drive Axle or Tandem Axle Group	17t
Triaxle Group	22.5t
Quad-Axle Group	27t
Total Combination Mass	77.5t

¹ - Provided the complying steer axle requirements as set out in Schedule 3 of the *Heavy Vehicle (Mass, Dimension and Loading) National Regulation* are met by the prime mover.

What are the specific axle spacings?

In relation to axle spacings, the combination must meet the following minimum and maximum axle spacings to safely cross all the structures on the network (the figures are in metres):²

² - Combinations that do not comply with the minimum and maximum axle spacings noted in this information sheet will require a bridge assessment on the nominated route(s).

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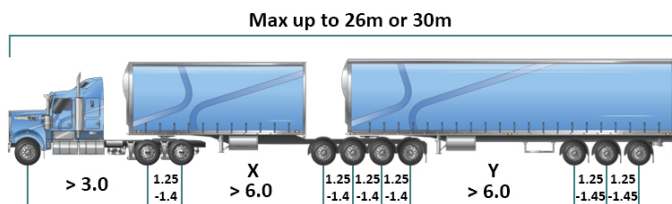
Phone: 1300 MYNHVR* (1300 696 487)

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B-Double > 68.5 tonne Configuration (not to scale)

Quad-Tri B-Doubles up to 73 tonne and 26 metres or 30 metres

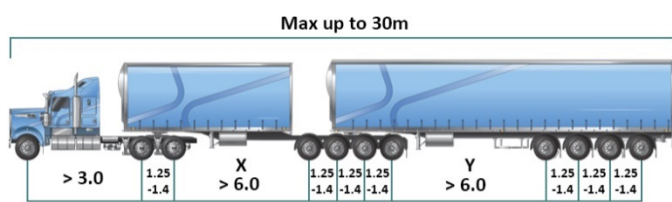


Max up to 28.8 metres

Note – X plus Y axle spacing for Quad-Quad B-Double must be greater than 13m.

B-Double > 68.5 tonne Configuration (not to scale)

Quad-Quad B-Doubles up to 77.5 tonne and 30 metres



Note – X plus Y axle spacing for Quad-Quad B-Double must be greater than 13m.

What are the operating conditions on the HPFV Mass Network?

The following conditions apply to operate Quad-Tri and Quad-Quad B-Doubles on the HPFV Mass Networks:

- Satisfy Performance Based Standards;
- HPFV B-Doubles are fitted with a GPS device accredited under the Intelligent Access Program (IAP);
- Fitment of a certified On Board Mass (OBM) system that can be integrated with IAP³;
- The B-Double (prime mover and trailers) is accredited under the Mass Management module of the National Heavy Vehicle Accreditation Scheme;
- The B-Double has an anti-lock braking system fitted on all axles;
- Certified Road Friendly Suspension (RFS) is fitted to the B-Double;
- The B-Double displays a “long vehicle” warning sign at the front and rear.

³ - While fitment of an approved OBM system has been specified as an access condition, it is recognised that such systems are not currently available. Accordingly, this requirement is waived until such time as when advice is provided by VicRoads that an OBM system must be fitted to the combination in accordance with the specifications and standards set by Transport Certification Australia.

What about rail level crossings on the network?

In line with the *Transport (Compliance and Miscellaneous) Act 1983*, heavy vehicles that exceed 26.0 metres in length require a permit before they are allowed to cross a rail level crossing.

Consequently, prior to operating the combination, the registered owner must obtain a permit from the Over Dimension Load team as part of the Department of Economic Development, Jobs, Transport and Resources. Applications stating the length of the A-Double and the time of day(s) of the journey must be sent to odlpermit@ecodev.vic.gov.au. Please be aware that applications can take up to **five days** to process.

For more information please contact the following number – (03) 9655 6134. (More information can also be found at the Department’s website <http://economicdevelopment.vic.gov.au/transport/freight/over-dimensional-load-permits-for-travel-across-railways-and-tramways>).

Further information

For further information and to view the Victorian HPFV Network maps, please refer to the VicRoads website: www.vicroads.vic.gov.au

How do I apply?

To apply for a new permit:

1. Go to <https://www.service.nhvr.gov.au> and if not already registered, follow the prompts to set up an account.
2. Once registered, from the home screen, click on the ‘Permit Applications’ tile in the centre of the top row.
3. Click on the ‘New Application’ button (on the right) and enter a permit name or reference for your application.
4. Click on the green ‘Select Configuration’ button and then click on the heading ‘Performance Based Standards (PBS)’.
5. Select the generic PBS image (PBS Vehicle).
6. Enter the ‘PBS details’ information.
7. On the ‘PBS Route details’ page, click the applicable bridge assessment tier (your PBS Approval document will specify this) and the ‘PBS Network’ radio button.
8. Under the ‘PBS Mass Access Level’ section select the required masses under the applicable access level.
9. Under the ‘Route / area details’ section select the applicable state (“VIC”).
10. Click on ‘Roads’ and add “Victorian HPFV Network” to the ‘Notes’ for the VicRoads ‘PBS Network’
11. On the ‘Period’ page, you will be prompted to enter the required permit period.
12. Follow the prompts to confirm your contact details and complete application payment.