

HPMV Routing Solution

Complex Navigation & Routing Made Simple



Visualise your
HPMV routes



Turn-by-turn
HPMV navigation



NZ's most efficient
HPMV routing



50 Max "return" routing
offline routing capability

The HPMV Challenge

For 30 continuous years, NationalMap has consistently offered its customers the best road and transport data for New Zealand. Users of our data include some of the country's largest private, public and government organisations; and three of the top five largest companies in the world by capital value.

We are the ONLY 100% Kiwi owned and operated company providing transport routing data for New Zealand.

In recent times we have been working with a number of transport operators running HPMV vehicles to assist them to reduce the complexity associated with HPMV Permits.

Today we have a process developed to convert these text based HPMV permits into routes that can be presented digitally on a map (both in a desktop and mobile environment). Which means we can now provide “turn-by-turn” navigation that, even for a driver on day one (without any local knowledge) can keep them on permitted routes and eliminate the risk of fines and the potential removal of HPMV status.



GPS leads truck up the garden path



Stuck truck freed from narrow and winding Wellington road



Trains cancelled after truck hits bridge in Auckland



We can even help you with keeping your drivers off roads that might result in them getting stuck, creating obstructions, or causing expensive damage to their vehicles and others.

By combining the power of NationalMap data with the versatility and reliability of the ArcGIS Navigator mobile app, we have removed all the complexity associated with understanding and complying with HPMV permits.

ArcGIS Navigator is a professional mobile navigation app for Android and iOS that uses GIS software to route your field workforce using turn-by-turn voice guided navigation, that works with your GIS data (even while offline).

Drivers simply need to select their prime mover / trailer combination, and the destination they're travelling to. The NationalMap HMPV Routing Solution then determines instantly which HPMV permits are accessible to the chosen combination, and routes the driver to their destination giving voice assisted, turn-by-turn navigation for the entire journey (whether they are within mobile network coverage or not).

The NationalMap HPMV Solution not only ensures that your "heavy runs" comply with permit conditions, but also enables drivers to route their return via non-HPMV routes (if their return weight allows) taking into account the 50MAX network to ensure your drivers don't miss any weight restrictions that might get them into trouble.

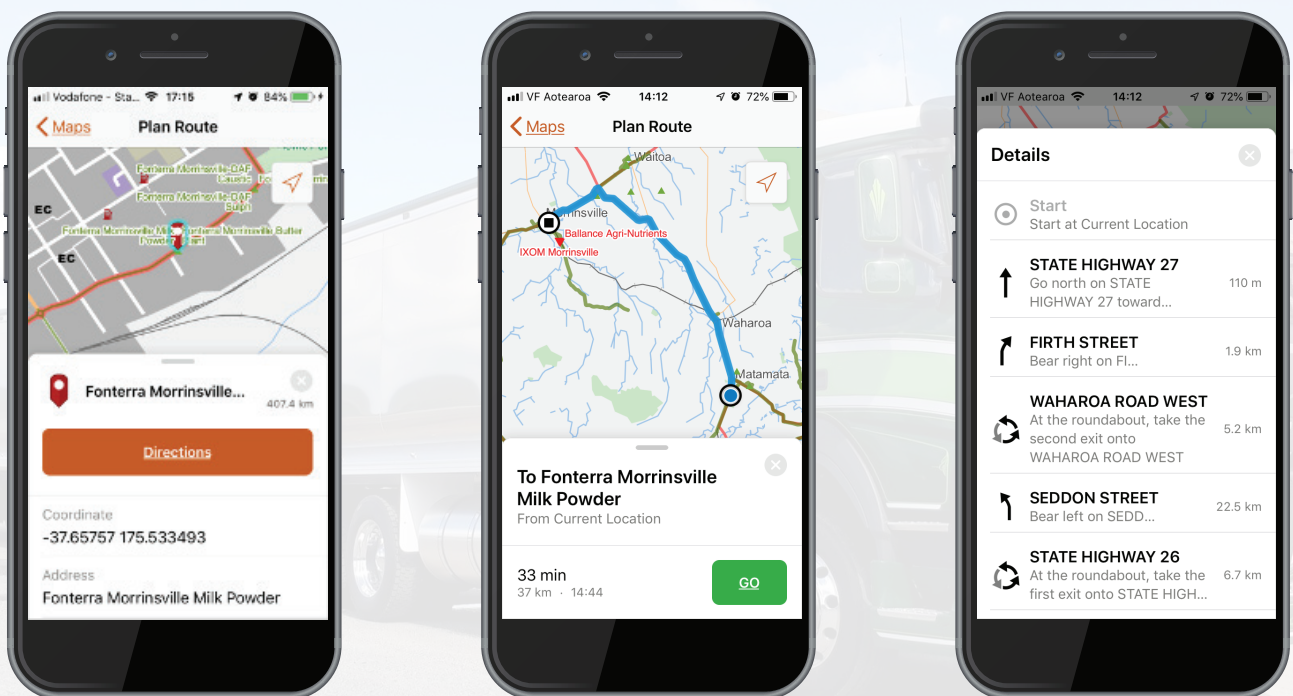


Getting Started with NationalMap's HPMV Routing Solution

Getting started is simple. We just need to understand your permit situation. Some operators have a single permit for all vehicles, others have a different permit for each tractor/trailer combination. Once we have an understanding of how your permits work, we can get our data experts to start digitising them and presenting them back to you in a web viewer allowing you to visualise exactly where your trucks are allowed to travel.

With an understanding of the relationship between your tractor/trailer combinations and permits, we can then create a Map Package to be used in ArcGIS Navigator which will work for your drivers on any current Android or iOS device.

All that's left to do is get your drop-off locations loaded into the Map Package so that your driver can easily select their destination, and the job's done!



About NationalMap

NationalMap is the premier source of authoritative and comprehensive road, address, and location data for New Zealand businesses and organisations. With a heritage that stretches back almost 30 years as part of the Critchlow portfolio of geospatial products and solutions, NationalMap is now its own discrete business entity.

As a wholly New Zealand owned business, our singular focus today is on the provision of the highest quality, fit for purpose, geospatial and location data - flexible enough to be used in all platforms and viewers.



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