

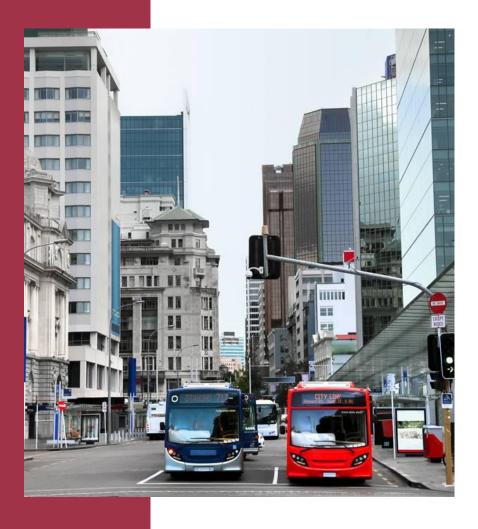
NAVIGATING THE FUTURE:

AMDS MULTIMODAL NETWORK MODEL AND NEW ZEALAND'S TRANSPORT TRANSFORMATION

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WSP



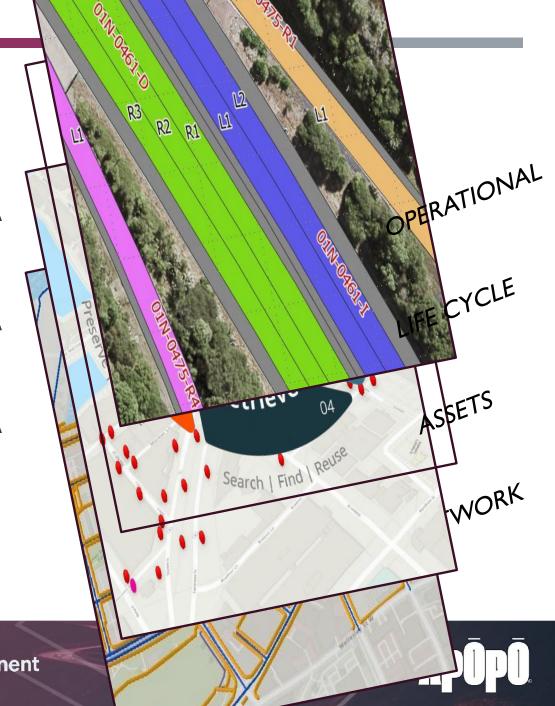




What is the Model?

The network
definition is the
backbone to the
AMDS and critical to
the management,
analysis and reporting
of land transport
assets.

This definition underpins the standard and is foundational to pulling the performance and associated asset data together.



Fostering Collaboration: Whanaungatanga in transport asset management

What will the Model Provide?

Visualised as a map of inter-connected lines

- Direction of flow
- Modes of flow
- Route planning
- Navigation
- Asset location
- Restrictions

Modes Enabled



Scalable as new modes come online





Intent of the network model





Benefits to the Transport Sector

First coherent Network Model for Aotearoa New Zealand

Cost savings and efficiency

Cross-boundary planning enabled

Better understanding of our networks and future plans

Accessed by the sector without restrictions

Improved infrastructure and better decisions

Consistent foundation for other data to be overlayed

Collaboration

Accurate planning



Real-time information

Multimodal Customer Journeys

Visual roading infrastructure used by public transport providers

Open Data





Think BIGGER!



Short Term / Operational

- Journey Management
- Maintenance and Emergency Response
- Real-time
- Project



- Investment
- Planning
- Policy
- National





- Mid Term / Tactical
- Tactical Asset Management
- Resilience
- Programme
- Regional/Corridor





Use Cases

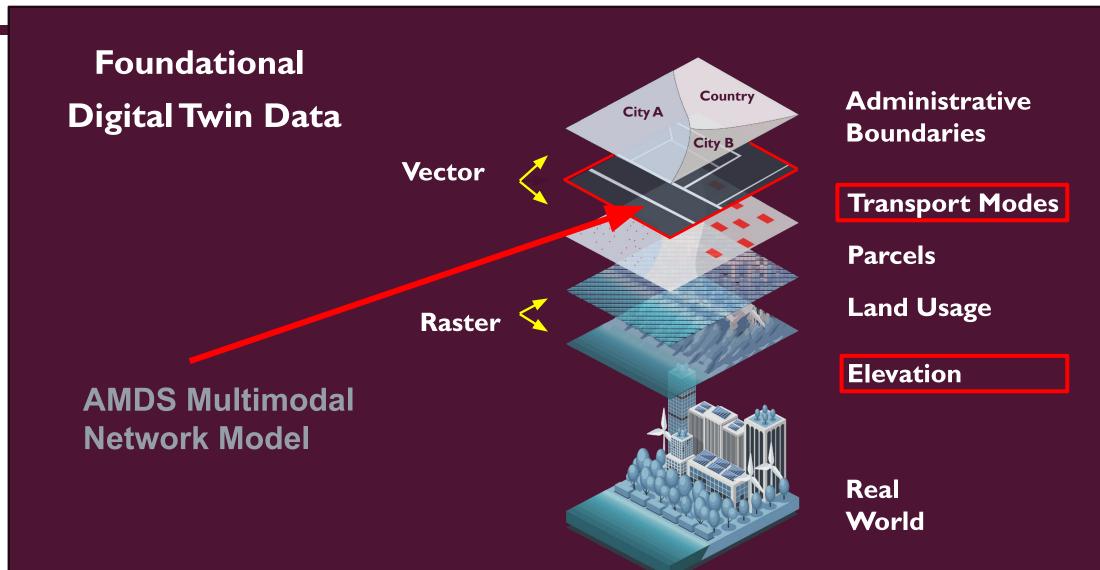






AMDS Network Model









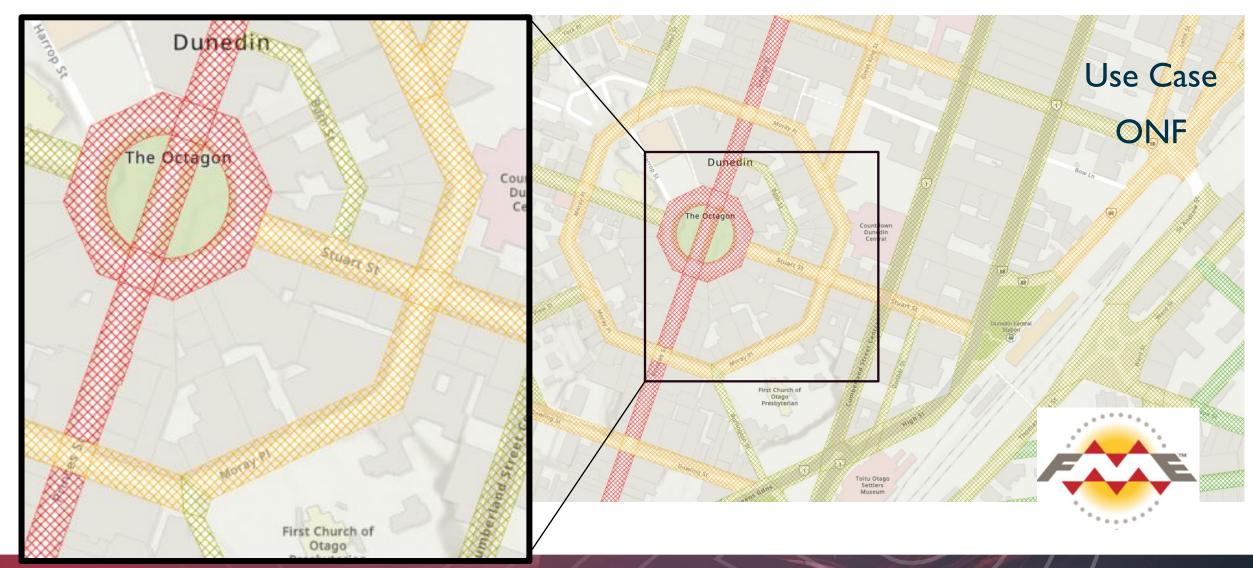
Use Case – National Speed Limit Register



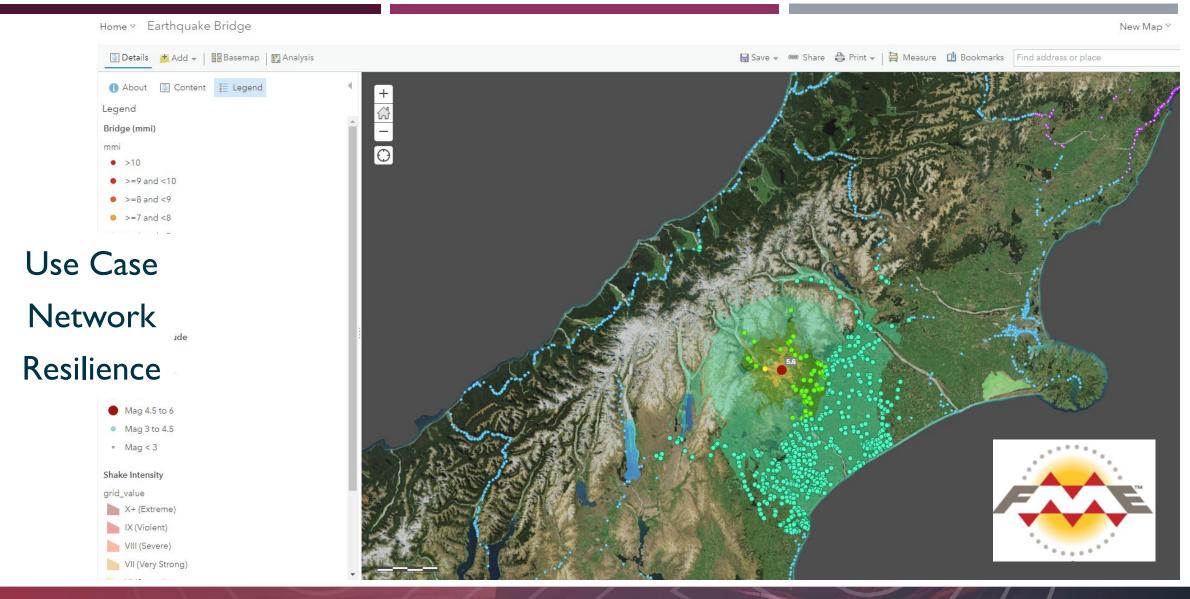










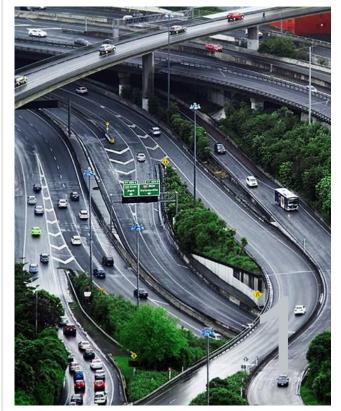




Use Case Network Resilience











Understand

Exposure, Risk, Vulnerability

Plan

Prioritise, Investigate, Prepare Options

Have Action

Share, Monitor, Use





The Power Within

Unleash the Power of Connectivity

- Strategic Synergy
- Operational Excellence



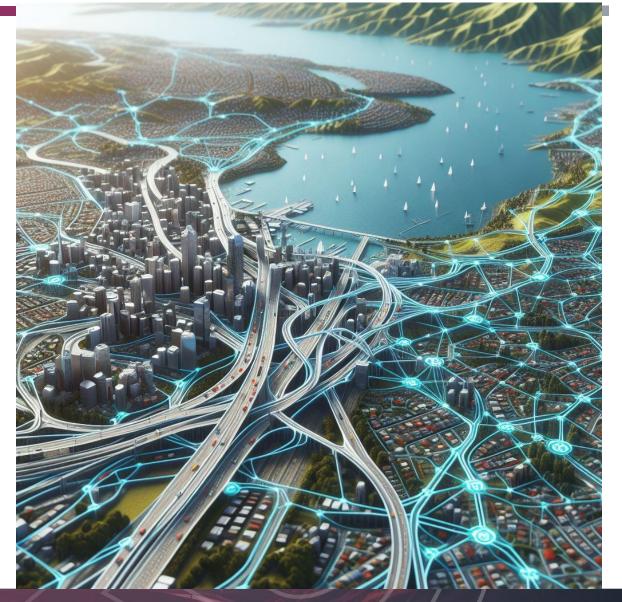




Revolutionise Coordination

Enhanced Coordination for Evidence-Based Decision-Making

- Resilience Amplified
- Emission Reduction Strategies







Infrastructure of The Future

Endless Possibilities for Decision Makers Shaping the Infrastructure of Tomorrow

- Safety at its Core
- Freight Revolution







Collective Platform

AMDS Multimodal Network Model A Collective Industry Platform for Development

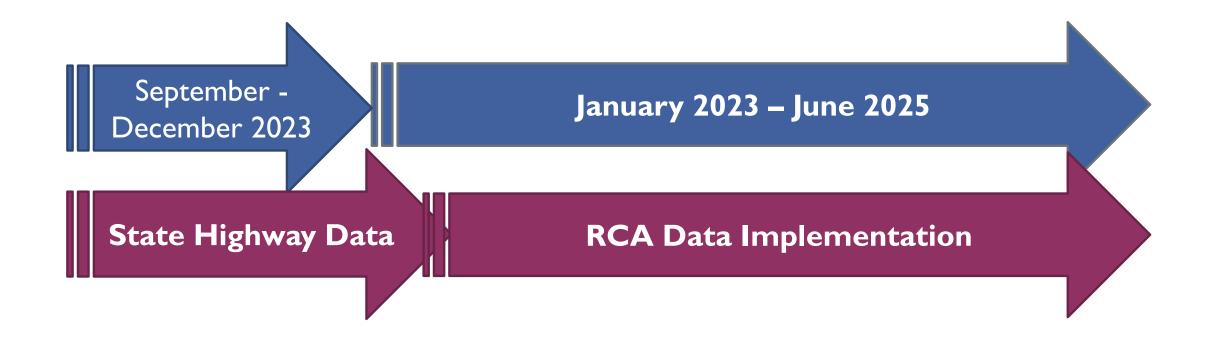
Sustainable Development







Quick Update on Implementation





Key Contacts



https://www.nzta.govt.nz/roadsand-rail/asset-management-data -standard/amds-network-model



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