ROAD INFRASTRUCTURE
MANAGEMENT FORUM

Our Carbon Equation

One Network Framework

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RIMS
Roading Infrastructure Management Support

in association with

IDS
Infrastructure
Decision Support

Strategic context

Central and local government are driving towards several strategic goals including delivering:

- Road to Zero strategy

- Reducing greenhouse gas emissions and adapting for climate change

- Promoting community wellbeing

- Achieving higher quality urban development.

All of these require frameworks and tools that naturally lead us to more interdisciplinary planning and 'systems thinking'.

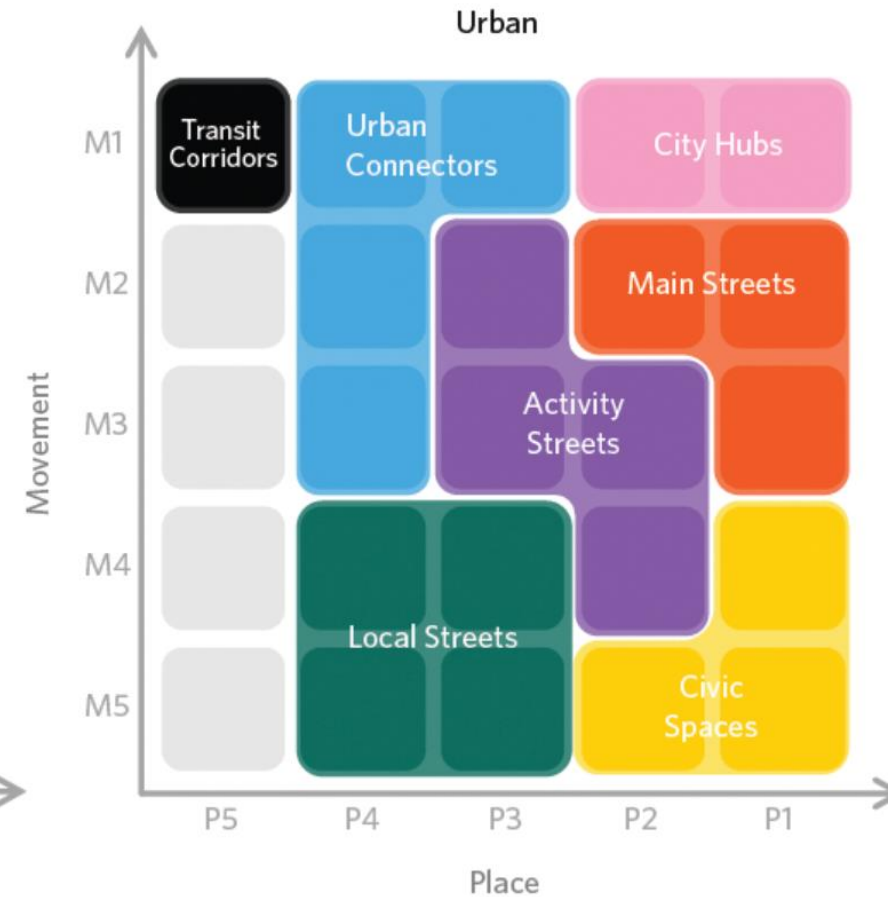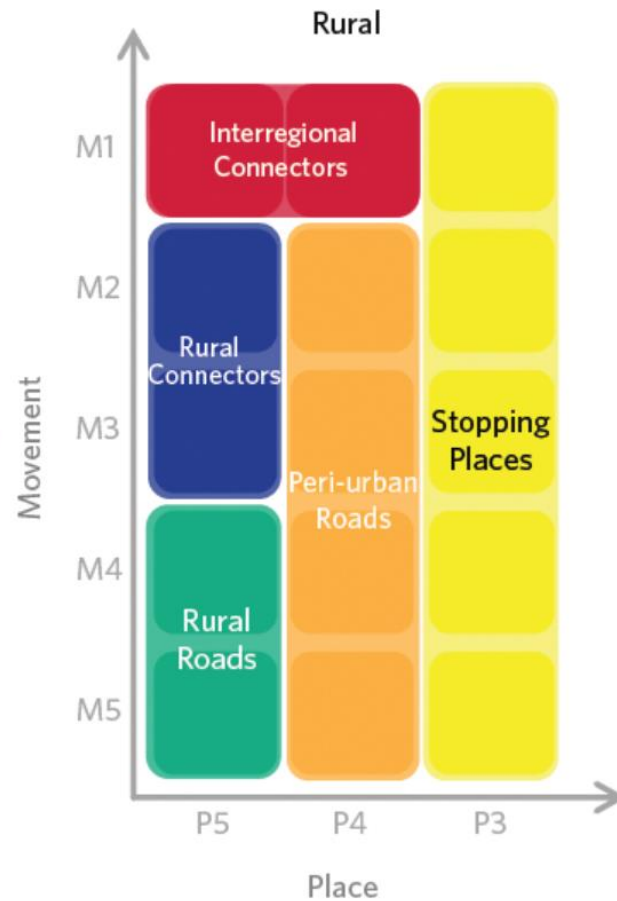# Why classify the transport network?

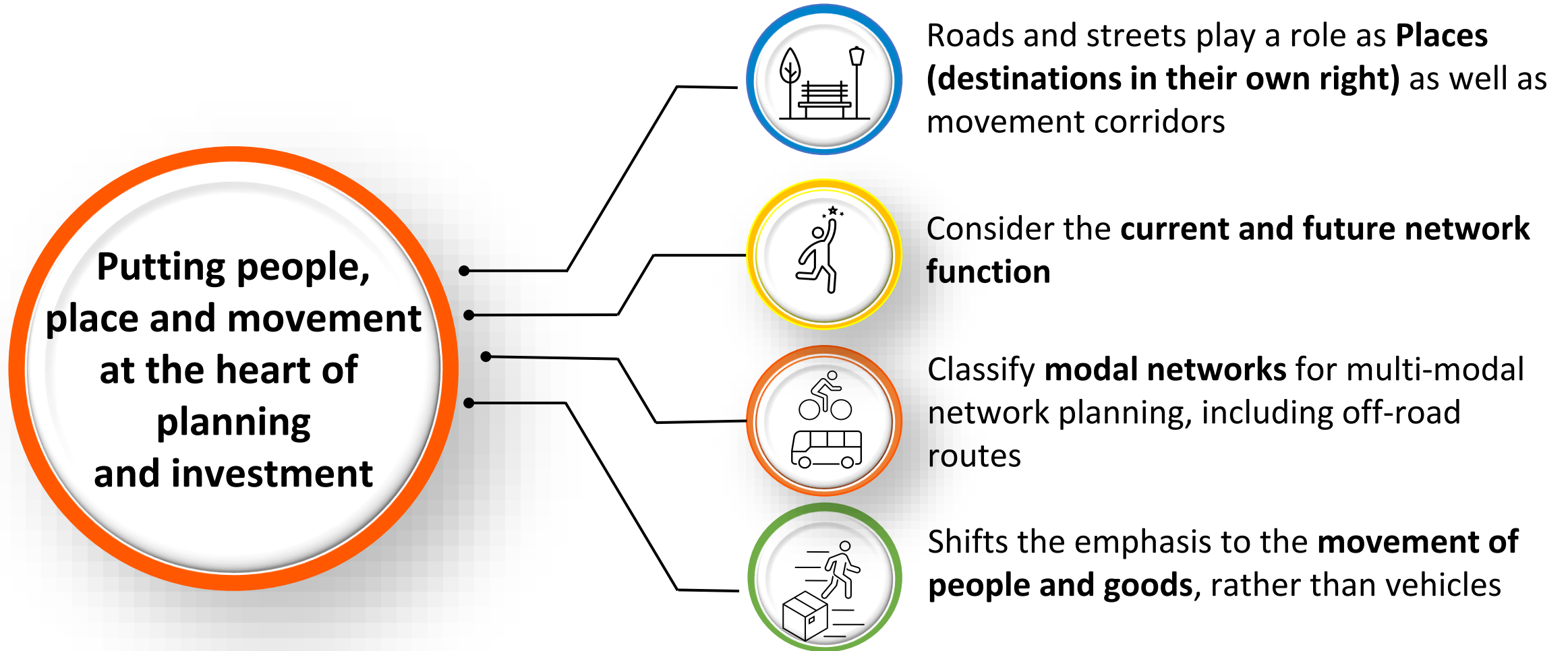**We classify the network in recognition that different roads provide different functions**

- Provide a system by which road controlling authorities (RCAs) can determine how their road network will be operated and maintained

- For users of the transport corridors, it helps in understanding the function and characteristics of different corridors, and the customer outcomes which can be expected

- Allows us to target investment appropriately to achieve the service outcomes we seek.

Introducing the One Network Framework

- A tool to classify roads and streets based on their function and the ways people use them

- A common language for all transport practitioners

- Recognises the significance of 'Place'

- Informs investment decision making.

Evolving the ONRC to the ONF

Putting people, place and movement at the heart of planning and investment

Roads and streets play a role as **Places (destinations in their own right)** as well as movement corridors

Consider the **current and future network function**

Classify **modal networks** for multi-modal network planning, including off-road routes

Shifts the emphasis to the **movement of people and goods**, rather than vehicles
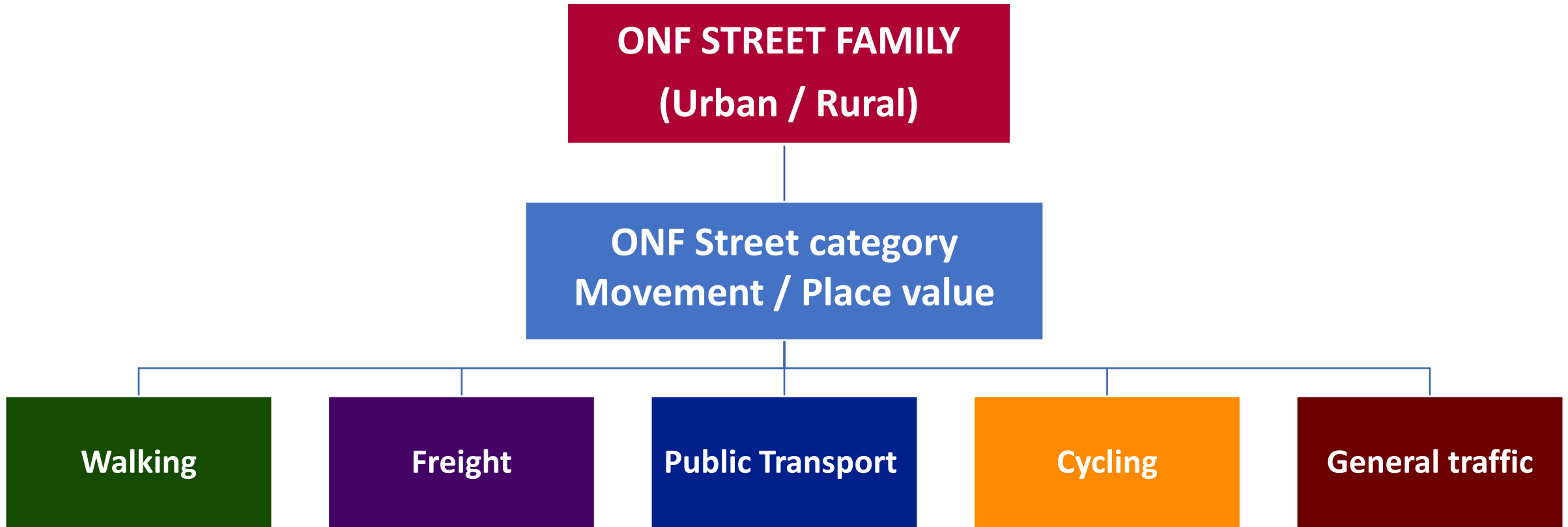
What are the benefits?

A land transport system that is safe, sustainable, efficient and effective for people and goods

- Aligns with strategic transport planning including long term plans, RLTPs and the NLTP

- Enables consistency in measuring current and future network performance and levels of service.

- ONF is also a key component of Waka Kotahi's **Road to Zero** initiative and is closely aligned with the **Asset Management and Data Standard** (AMDS) Project

ONF hierarchy

ONF STREET FAMILY
(Urban / Rural)

ONF Street category
Movement / Place value

Walking

Freight

Public Transport

Cycling

General traffic

Current focus - ONF modal implementation

ONF and GIS functionality

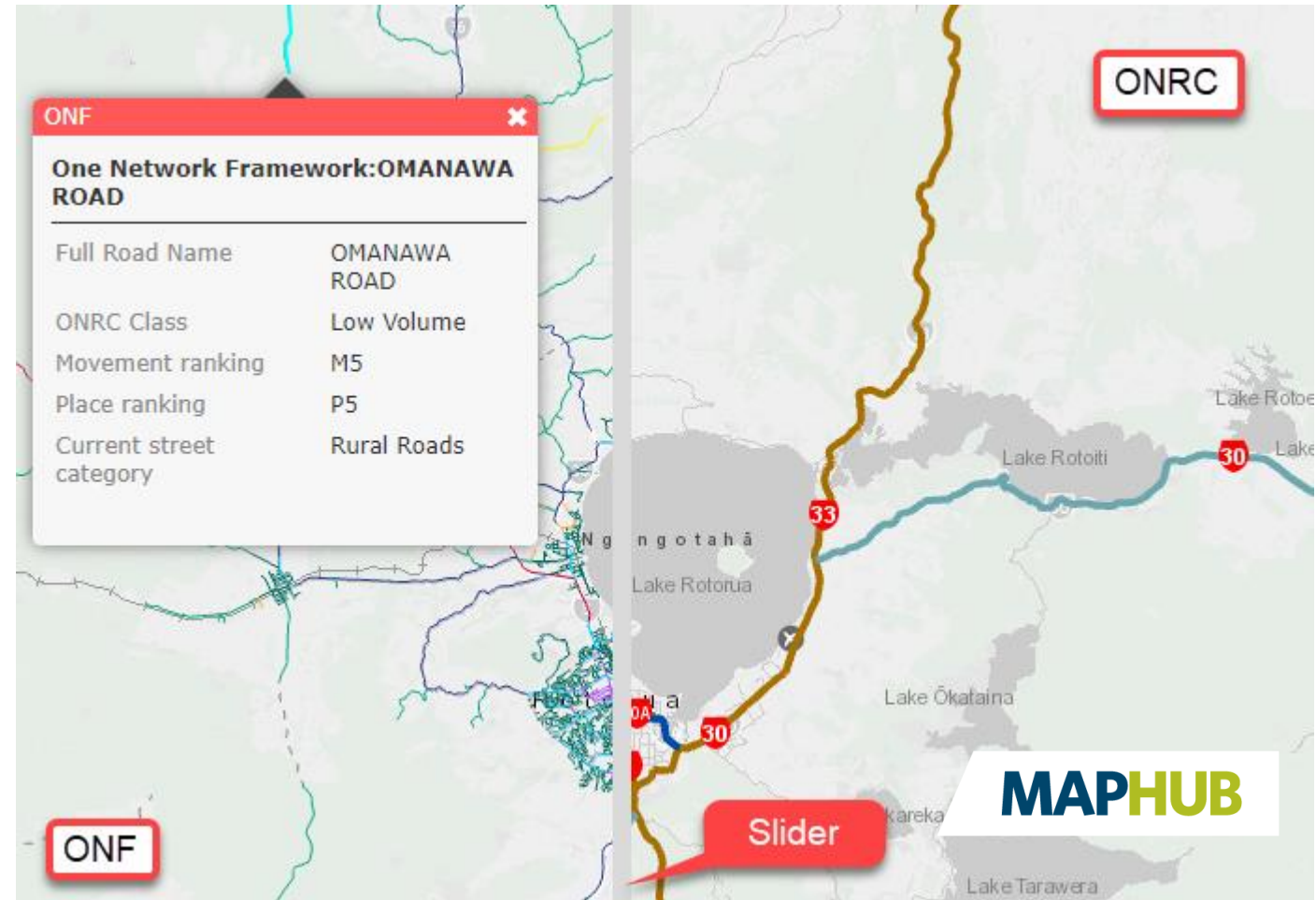**Waka Kotahi example**

- Data can be exported from RAMM for use in other maps / tools

- Seeking consistency in data across our systems

- ONRC currently inputs into over 50 applications / maps which we will need to switch to ONF.
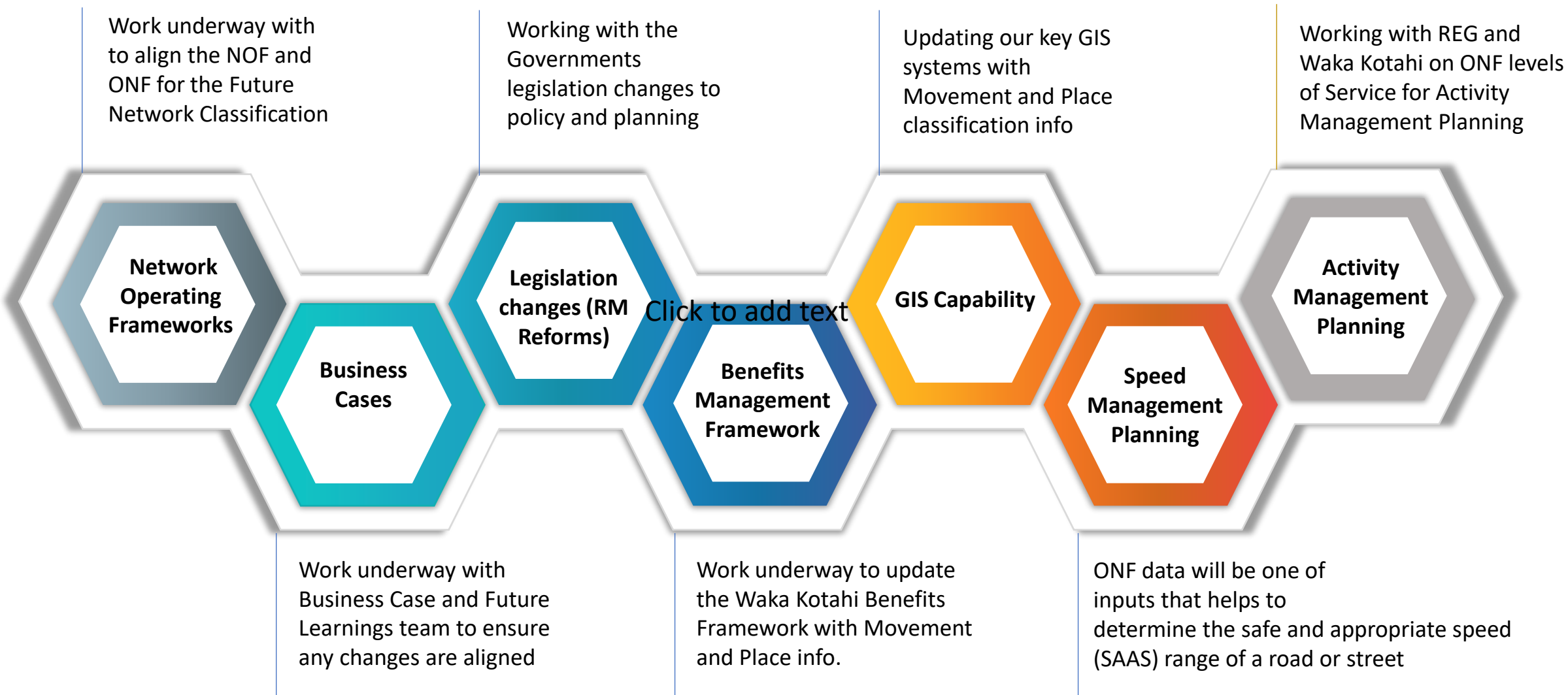

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High level timeline

Milestones	Jan-Mar 22	Apr-Jun 22	Jul-Sep 22	Oct-Dec 22	Jan-Mar 23	Apr-Jun 23	Jul-Sep 23	Oct-Dec 23	Jan-Mar 24	Apr-Jun 24
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
NLTP Milestones		Identify changes to system for 24-27 NLTP 12/22					◆ Signals: right sizing of Initial Cont Prog 09/23		◆ Investment signals 02/24 ◆ AMPs 08/24	◆ SHAMP & WKIP published 07/24 ◆ Adopt AMPs 06/24
ONF Milestones	Review ONF Classification	Develop Modal Layers Develop Future Network Guidance Integrate into Waka Kotahi key processes and programmes, and implementation with wider sector						Project Closure	Lessons Learned	

The ONF integration programme is closely aligned to the milestones for the development of 2024/27 NLTP

To meet this deadline, internal integration of ONF into Waka Kotahi policy and processes is well underway

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Integration with a broad range of processes

RIMS
Roading Infrastructure Management Support

Work underway with to align the NOF and ONF for the Future Network Classification

Working with the Governments legislation changes to policy and planning

Updating our key GIS systems with Movement and Place classification info

Working with REG and Waka Kotahi on ONF levels of Service for Activity Management Planning

Network Operating Frameworks

Business Cases

Legislation changes (RM Reforms)

Click to add text

Benefits Management Framework

GIS Capability

Speed Management Planning

Activity Management Planning

Work underway with Business Case and Future Learnings team to ensure any changes are aligned

Work underway to update the Waka Kotahi Benefits Framework with Movement and Place info.

ONF data will be one of inputs that helps to determine the safe and appropriate speed (SAAS) range of a road or street

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Questions

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