

An aerial photograph of a city, likely Auckland, New Zealand, showing a dense urban area with numerous buildings and streets. A prominent feature is a large, irregularly shaped area in the center-right of the image, which is highlighted with a vibrant, multi-colored overlay (pink, yellow, green, and blue). This overlay appears to represent a specific geographic region or data set. The text is overlaid on a dark blue rectangular background that spans the middle of the image.

# NZTA Geospatial Team Update

Great journeys to keep NZ  
moving



An aerial photograph of a city, likely Los Angeles, showing a dense urban grid. Overlaid on the map are various colored regions: a large pink area in the top left, a blue area in the top right, and a green area in the bottom right. A dark blue rectangular box is centered over the map, containing white text. The background map shows streets, buildings, and green spaces.

# Geospatial Team Purpose

Providing insights that put  
our customers on the map

# Some of our work

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**Self-service of tools through MapHub**

**Mapping and analysis to create insights**

**Managing the platform**

**Advising into business and system projects**





# Self-service tools – Investing

**MAPHUB**

## National Land Transport Programme 2018 - 21 (Proof of Concept)

### Wellington

The Wellington region is made up of a number of cities, urban areas and supporting rural hinterland. The city is a key transport connection between the North and South Islands. The compact nature of Wellington city and constrained corridors to and from Kapiti and the Hutt Valley have shaped the transport network.

**\$1,439  
MILLION**  
FORECAST TOTAL  
WELLINGTON  
INVESTMENT

**\$312  
MILLION**  
FORECAST  
MAINTENANCE  
& OPERATIONS


**\$456  
MILLION**  
FORECAST  
PUBLIC  
TRANSPORT

**\$49  
MILLION**  
FORECAST  
CYCLING  
& WALKING

**15%**  
SPEND  
TARGETING  
SAFETY

Social Pinpoint test


test

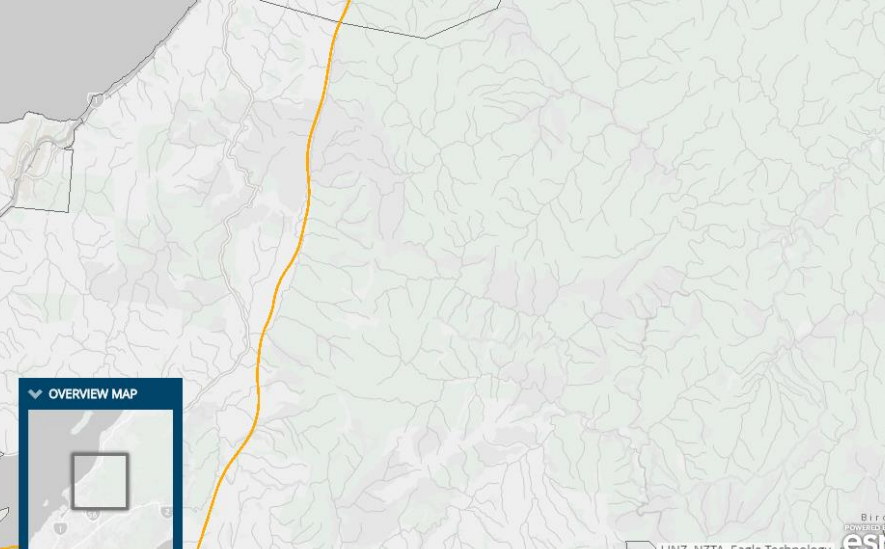
**MAPHUB**


## Wellington investment highlights


- A total of \$456m will be invested in public transport over the next three years to encourage continued patronage growth.
- It is expected that investment in cycling and walking in the Wellington region in the 2015-18 NLTP period will amount to \$49m. This includes \$22m from the Urban Cycleways Fund.
- New routes at Transmission Gully (flyover video), which is under construction, and potentially at Petone to Grenada (flyover video), which is under investigation, are expected to significantly improve the resilience of the overall network, by providing alternative routes and more capacity.
- Construction of the Wellington Northern Corridor on State Highway 1, which has been designated as a RONS by the Government, will continue over the next three years. Investment will increase capacity, resilience, reliability and safety for commuters and freight users. The investment is expected to reduce journey times by up to 40 minutes between Wellington CBD and Levin when completed.
- In the next three years, construction of the Mackays to Peka Peka section of the Wellington Northern Corridor will be completed. The \$630m project will deliver approximately 18 kilometres of four-lane expressway through Paraparaumu and

### Transmission Gully motorway fly-through





**OVERVIEW MAP**

LINZ, NZTA, Eagle Technology 

# Mapping and Analysis – Safety

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Analysis of  
1 & 2\*  
vehicle rating

# Managing the Platform

## Data

- FME
- Updating our 350+ datasets

## Access

## Check-in

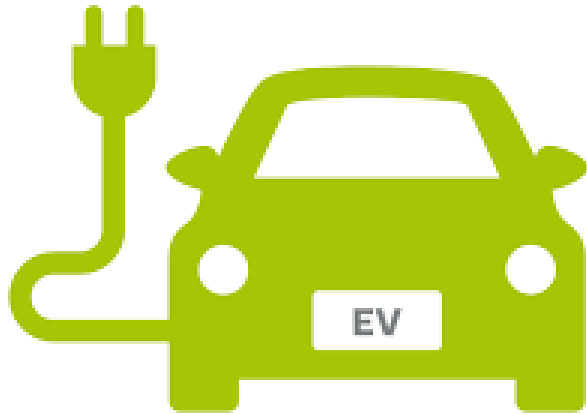
- User analytics
- MapHub survey
- Proactive insights
- Cleanup MapHub

## Integration

# Examples of project based work

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1



2 Replacement  
Crash Analysis  
System

3 National Speed Limit Register



# Thanks for listening

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Any Questions?

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