# Quick Survey

# Intuition vs Data and Analysis aka Why we need data & Analysis

Wider roads are always safer ✗

We can “just tell” when it’s safe to swim on the Wellington south coast ✗

Higher speed limits increase ? productivity

# Good data – the foundation of good crash prediction models.

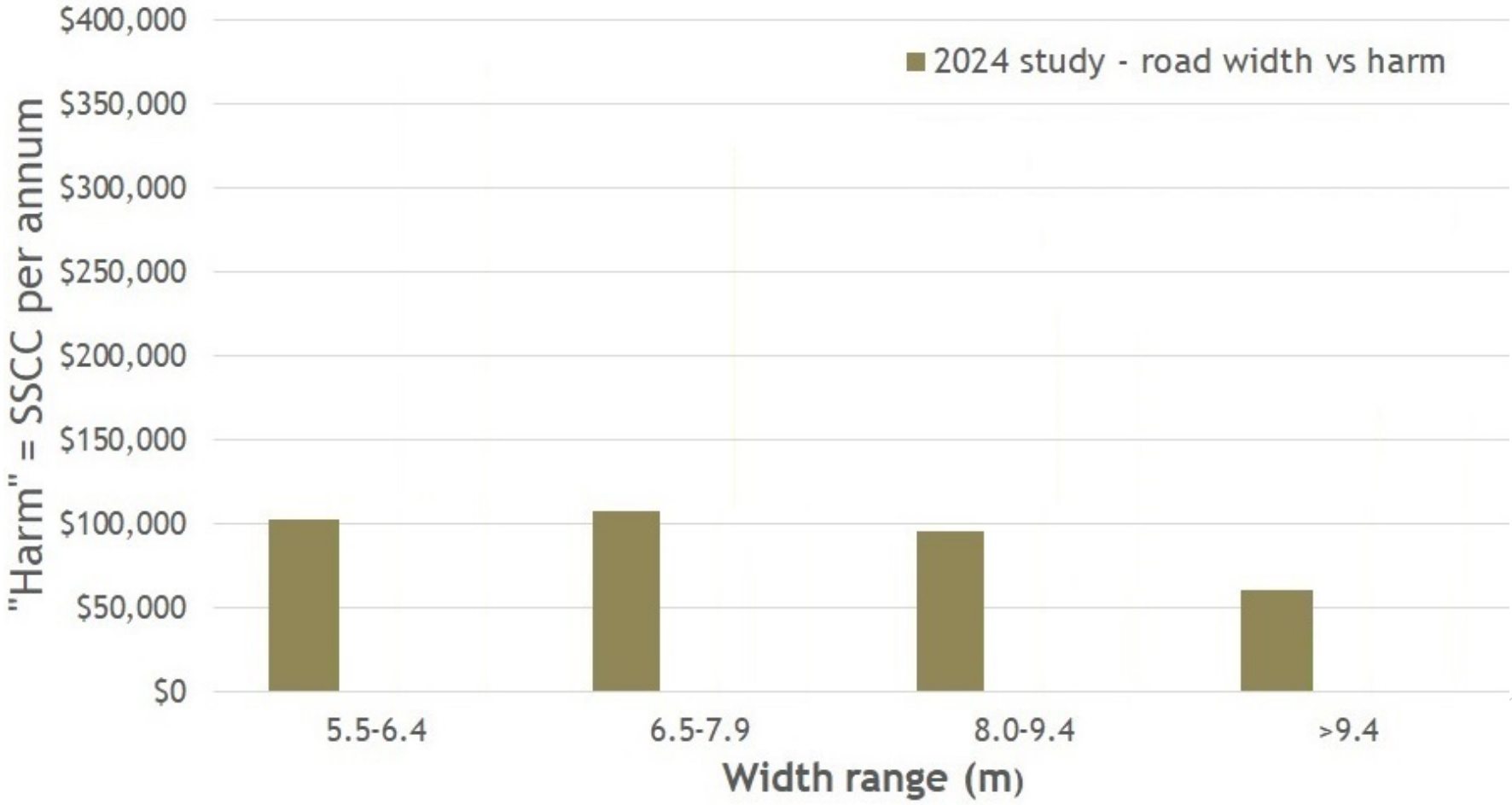
## Crash Estimation Compendium

### New Zealand Crash Risk Factors Guidelines

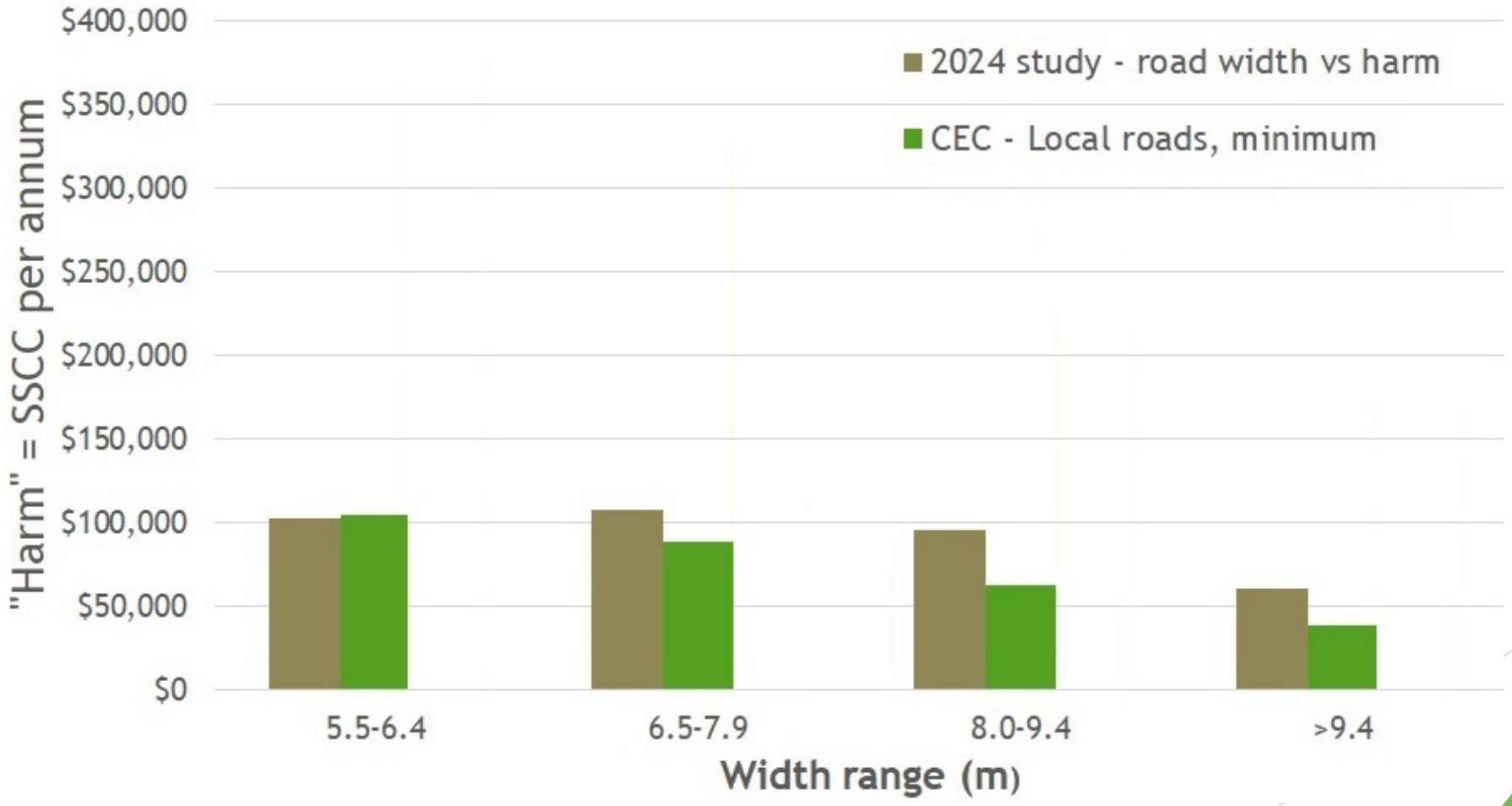
19 July 2024

Second Edition

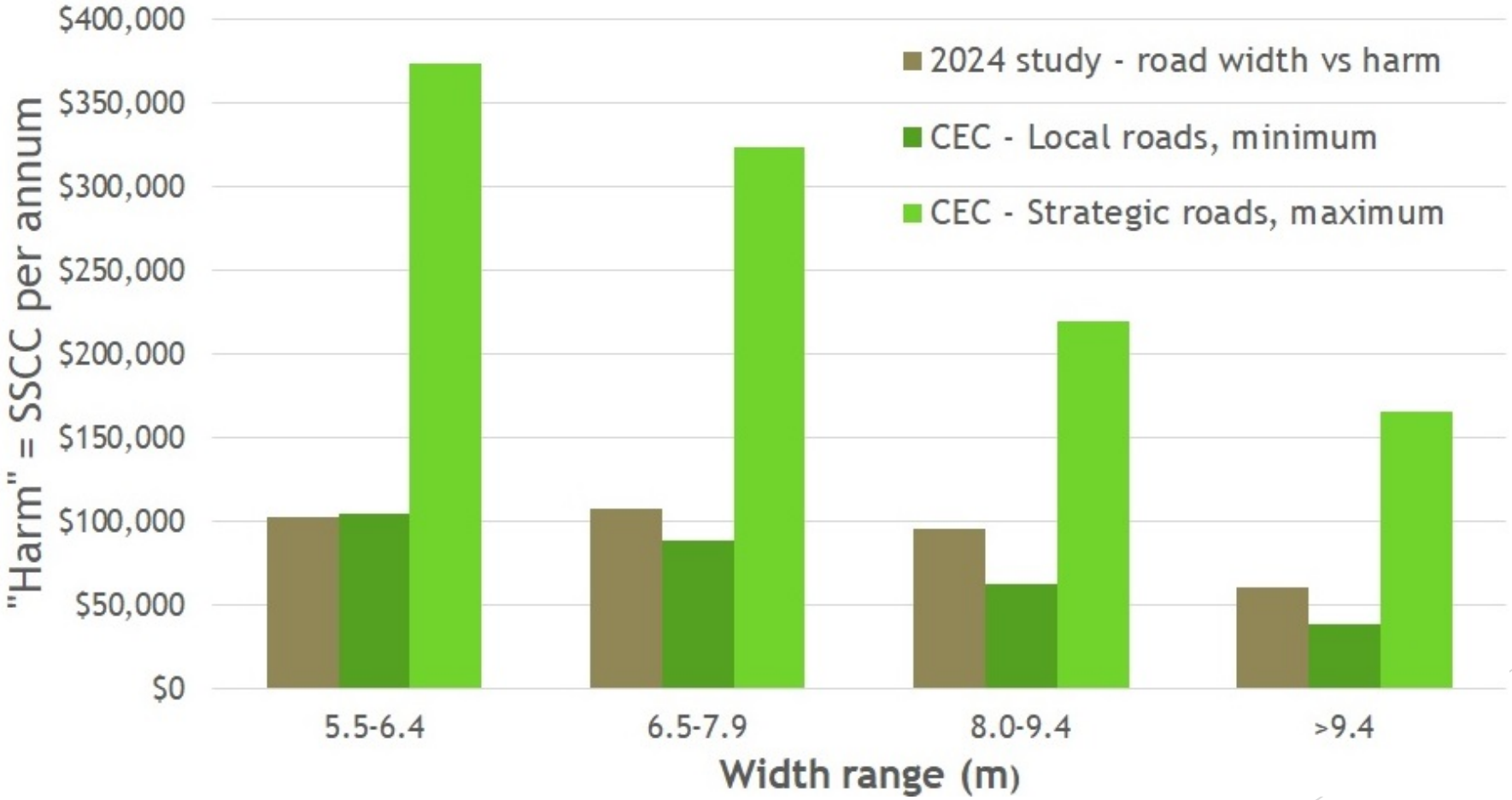
# 2024 study of road width vs harm; rural sealed roads



# Crash Estimation Compendium “local roads” vs 2024 study of road width vs harm

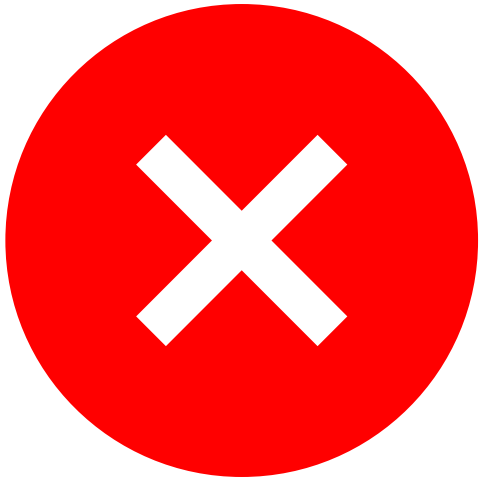


# Crash Estimation Compendium vs 2024 study of road width vs harm



# Big Transport Data – where from?

AWM/RAMM?



LINZ?

KiwiRAP?

National Road Centreline Dataset? ✓

Bu...

# The state of the (open) road data

Speed limit ✗

Surfacing ✓

Carriageway width ✓

Number of lanes

Widths of lanes and shoulders

Terrain

Barrier systems

Raised medians

One or two-way traffic?

Traffic calming

Parking bans

Footpaths

Pedestrian crossings

Carriageway lighting

Intersection type

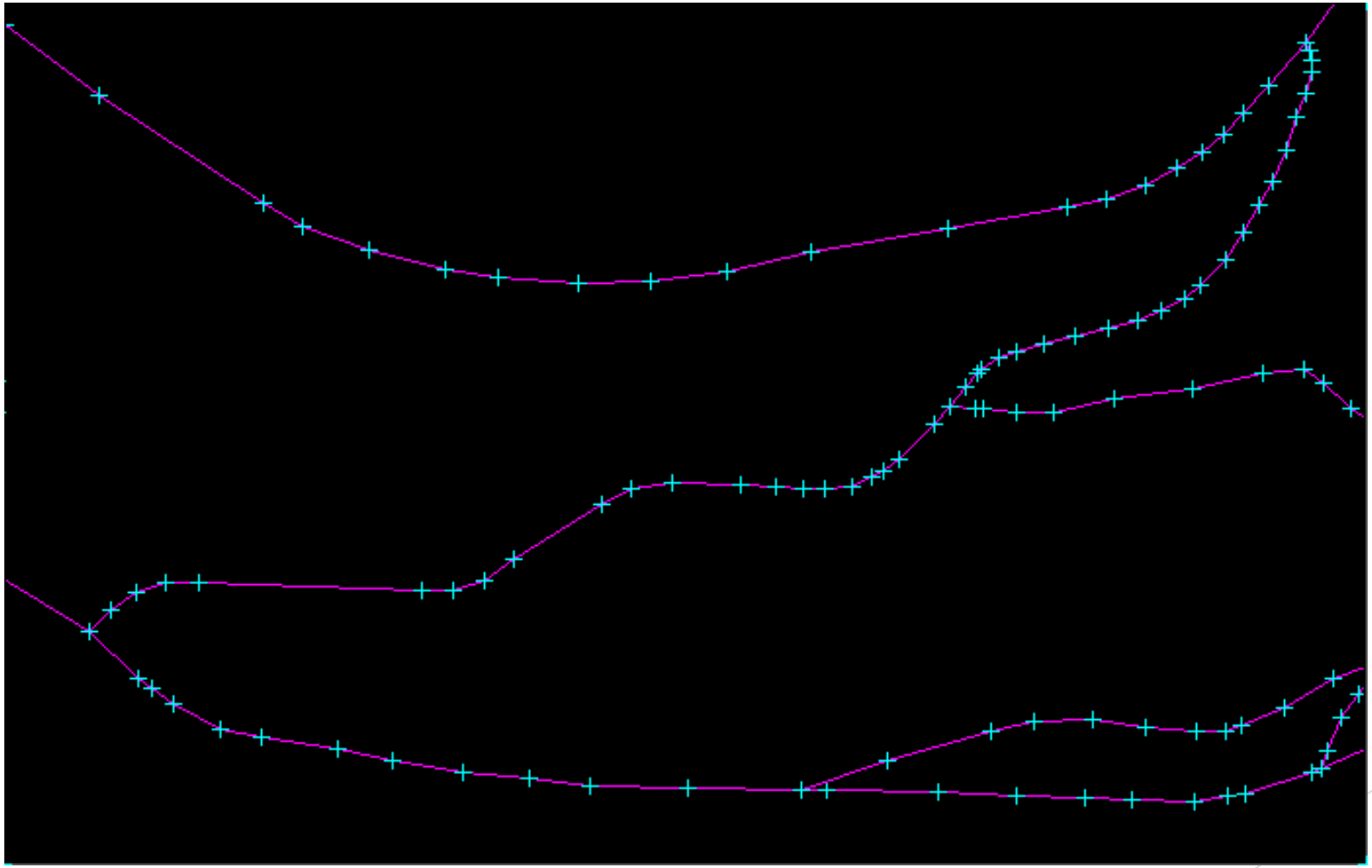
Traffic volume/HCV ✓

# Where to from here?

Restart the spatial open data project!

3D scan at least major roads

# The National Road Centreline Dataset; Accurate but unsophisticated….



# 3d Scanning – accurate and sophisticated

## Image provided by Global Survey Ltd