

## Background

- Olexiy Kurlov
  - Traffic Assets Manager Auckland Motorway Alliance
- Wanted a way of working out whether a sign on the network needed to be replaced
- Current practice was to replace a sign when it looked bad
  - When does a sign "look bad"
- Had no performance data for the existing signs
- Had little data of installed dates (asset management)
- Discussed terminal values

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# Data Collection and Preliminary Results

- Decided to collect reflectivity data from a set of old signs existing on the network
  - Measured White, Red, Green, Blue and Brown
- Cleaned the signs and re-measured them

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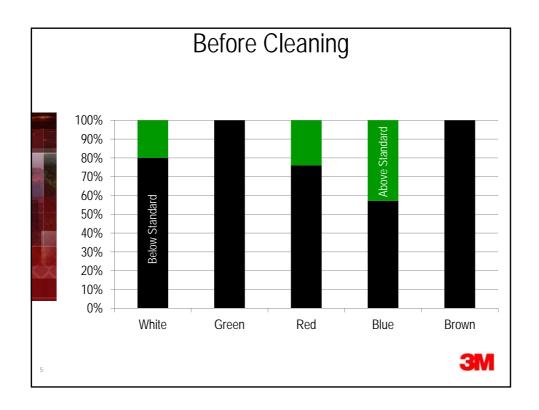
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#### **Initial Results**

	Before Cleaning		After Cleaning	
	Below	Above	Below	Above
	Standard	Standard	Standard	Standard
White	44	11	11	44
Green	30	0	24	6
Red	19	6	2	23
Blue	4	3	0	7
Brown	4	0	0	4

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## **Cleaning Results**

	Average Improvement	
White	396%	
Green	173%	
Red	220%	
Blue	192%	
Brown	966%	

### Thoughts

- Major improvements can be made to the sign reflectivity by cleaning the signs
- The limited data collected poses many more questions
- More data is needed for a thorough analysis
  - Olexiy is remeasuring the same signs again to get a historical data set
- Olexiy still has not answered his initial question how do you know when a sign needs replacing?
- It is hoped that this project will yield more data to create a full presentation for next years conference