

**“The best offence is a great defence” – navigating tight budgets by having an informed contract team**

Ewoud Botha



# What is North Urban

- July 2022 : 10 years
- \$50m (\$36m in 1<sup>st</sup> year)
- Measure & Value Contract
- No Rehab (1<sup>st</sup> year)
- 90 Staff
- New Contract – Same Client

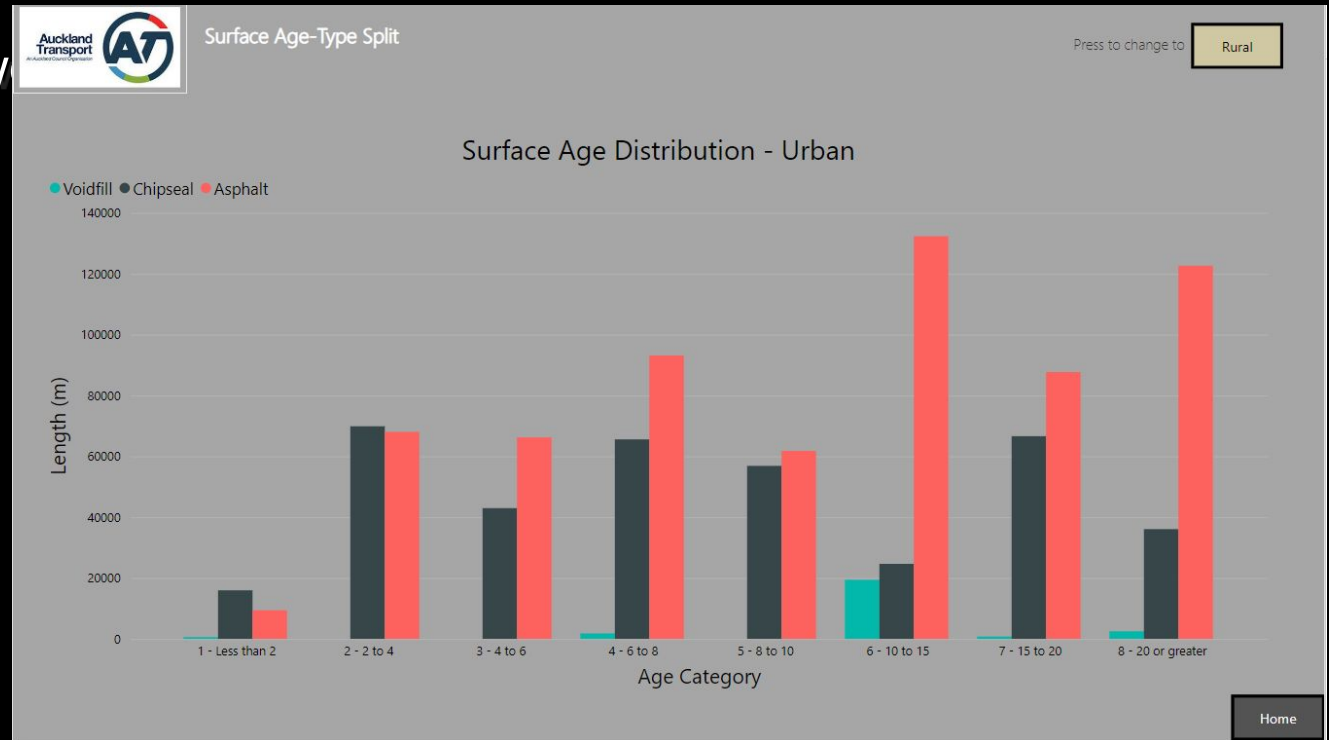


# The challenge

Funding reduced – North Urban network larger.

Increasing Costs – less work

Ageing network – seal age picture



# What I am going to cover

1. The importance of managing our data to meet the challenge
2. Visualise and track our network ... while keeping an eye on future works.
3. What smarts - innovation can we use.

# 1. The importance of managing our data.

Full network monitoring – onsite

Planning engineer - Kaitiaki of data and programs.

Full team - access to RAMM and Archimedes

## 2. Visualising and tracking our network

A lot of data – 11,153 CRMs and 2200 Programmed

Visualize our data in RAMM - via Archimedes.

Discuss – 2 Dashboards inform us / Track

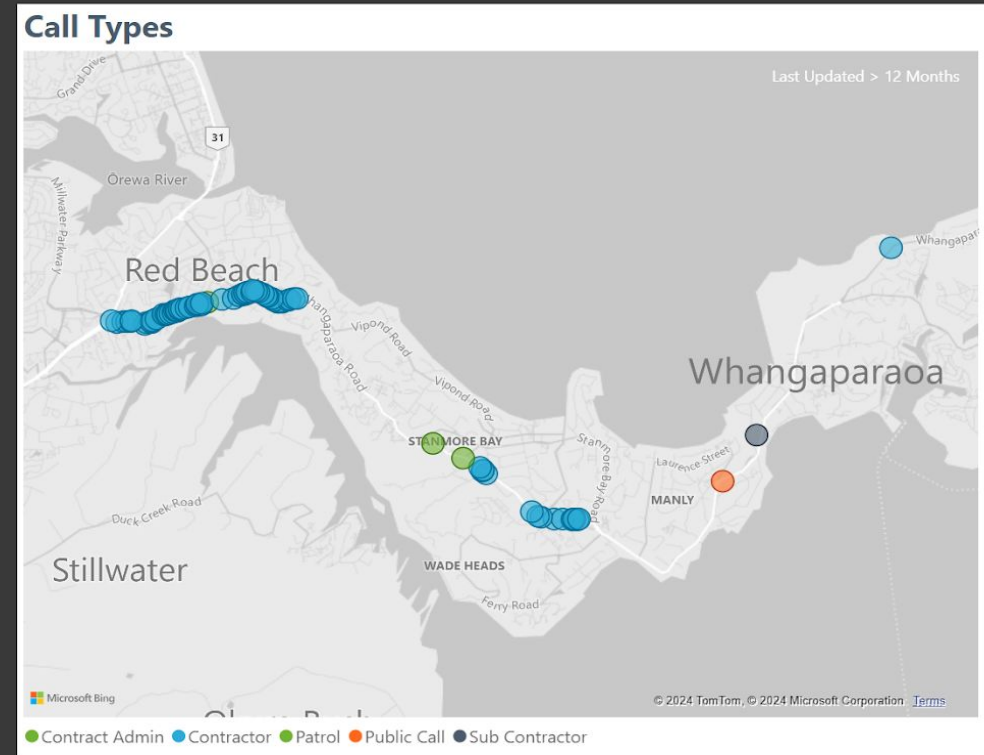
Staff Name	Jobs
Amrut Murkute	83
Ewoud Botha	1
Gaurav Chaudhary	1
Shaneth Wentzel	1
<b>Total</b>	<b>86</b>

Road	Jobs
WHANGAPARAOA RD	86
HIBISCUS COAST HIGHWAY	51
BRISTOL RD (WAITAKERE)	47
RIDGE RD (ALBANY) (WEST)	42
VIPOND RD (STANMORE BAY)	40
EAST COAST RD (WHANGAPARAOA)	39
All	

### Job Summary

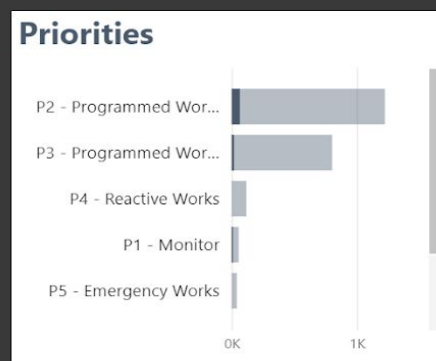
Fault Description	Jobs	Estimate	Quantity	Ave Size	Ave Open Days
Alligator Cracking - Crack Seal	9		132.00	14.67	63.33
Alligator Cracking - Mill & Fill	65		2,107.77	32.43	264.80
Damaged Sign & Post - Replace	1	\$3,782.86	1.00	1.00	8.00
Deformation - Mill & Fill	5		0.00	0.00	63.60
L & T Cracking - Crack Seal	2		0.00	0.00	204.00
New Backdrop	1		0.00	0.00	374.00
Potholes - Pothole Fill	2		2.00	1.00	242.50
Renewal - Resurf TAC	1	\$499,845.12	13,568.00	13,568.00	44.00
<b>Total</b>	<b>86</b>	<b>\$503,627.98</b>	<b>15,810.77</b>	<b>183.85</b>	<b>225.80</b>



Asset Type	Jobs
Pavement	72
Surfacing	12
Drainage(Culverts)	1
Signs	1
<b>Total</b>	<b>86</b>

Programme Category	Jobs
Maint Work	37
Unknown	37
RFWP (Renewals Forward Works Programme)	12
<b>Total</b>	<b>86</b>

Programme	Jobs
FY24 - Programme Pool	74
March 2024	1
June 2024	1
FY25 - Programme Pool	10
<b>Total</b>	<b>86</b>



### Dispatch Details

Link	ID	Fault Description	Road
<a href="#">🔗</a>	11492	New Backdrop	WHANGAPARAOA RD
<a href="#">🔗</a>	12000	Alligator Cracking - Mill & Fill	WHANGAPARAOA RD
<a href="#">🔗</a>	13300	Alligator Cracking - Mill & Fill	WHANGAPARAOA RD

# Customer Requests - Auckland North Urban (2022-2032)

**Date Range**

Last 10 Years

3/4/2014 - 3/3/2024

**1,321**

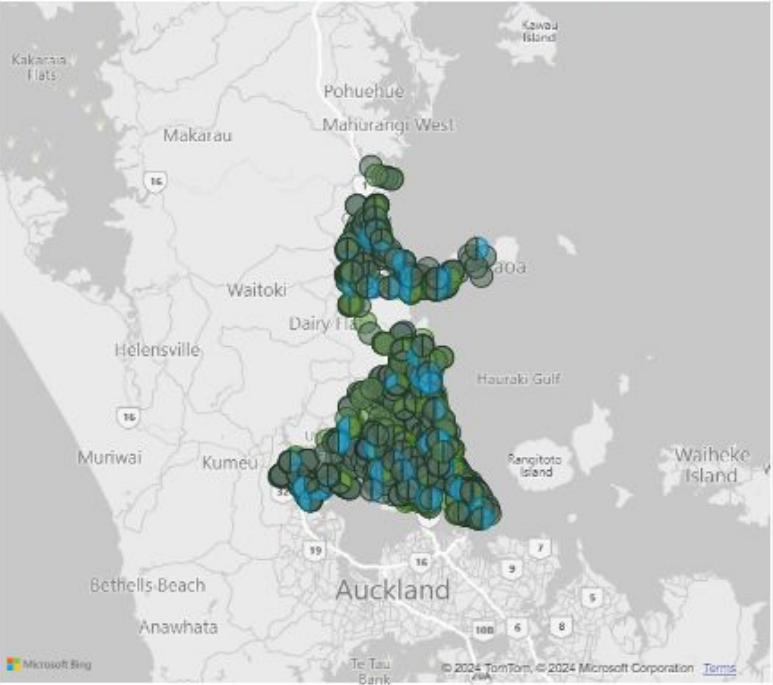
Total Customer Requests

**12**

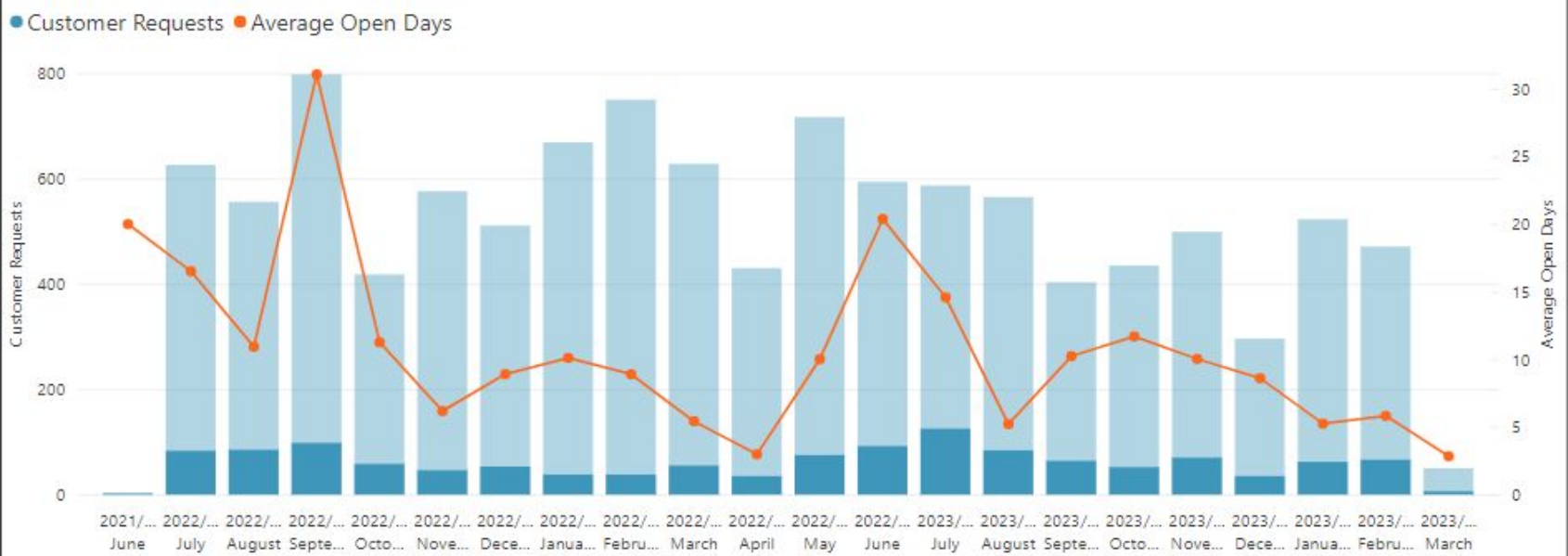
Average Open Days

**Location**

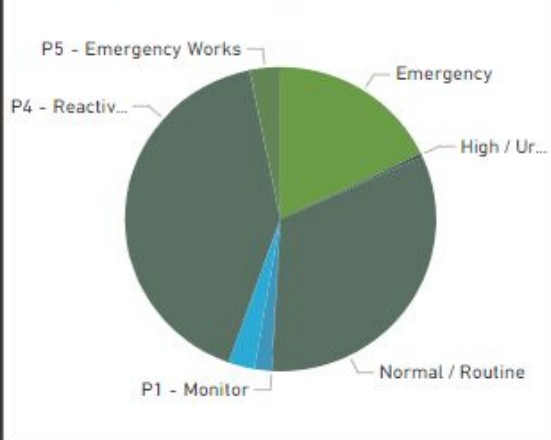
Priority ● Emergency ● High / ... ● Normal / ... ● P1 - M... ● P2 - Pr... ● P3 - Pr...



## Customer Requests Trends Over Time



## Priority Breakdown



## Drill Down

Fault Description	2021/2022	2022/2023	2023/2024	Total
Potholes - Pothole Fill	1	756	564	1,321
Cracked - Paver Replace		583	340	923
CC_Damaged		516	353	869
Clear Detritus	1	472	159	632
CC_Pothole		292	202	494
Storm Event		371		371
Smashed Glass		265	96	361
Damaged Sign - Reattach		265	83	348
Spillage		233	110	343
Missing Sign - Replace		186	84	270
Grate Blocked		183	72	255
Total	2	7,273	3,829	11,104



### 3. What smarts are we doing in the field .

#### RAP seals

- G6 recycled asphalt chip
- PRS581 – rejuvenates existing binder
- 100% recycled chip.

Appears more like an Asphalt





# What are we doing in the field .

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- Hot chipping – treating flushed surfaces



# What are we doing in the field .

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- Footpath trip stops - cost effective



Thanks, any questions?