



Desperate and Data-Less

Our Asset Management Journey Post-Amalgamation

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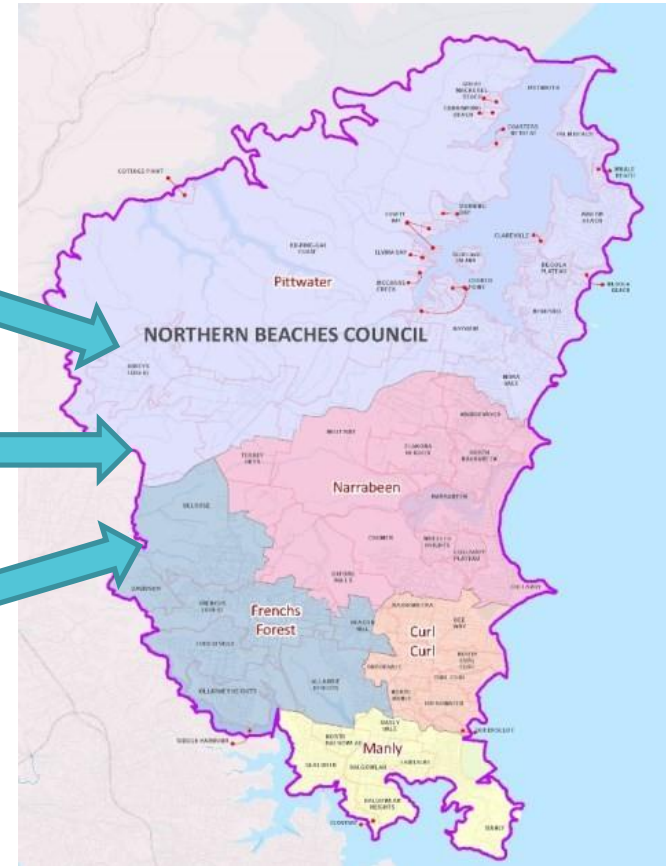


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Welcome Georgia Rose!



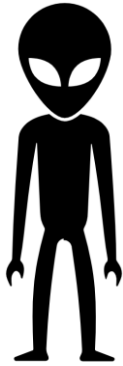
Amalgamation



... shared boundaries but ...

- No agreed post-amalgamation approach
- Different asset management methodologies
- Different data structures and asset compatibilities
- Different staff & team structures

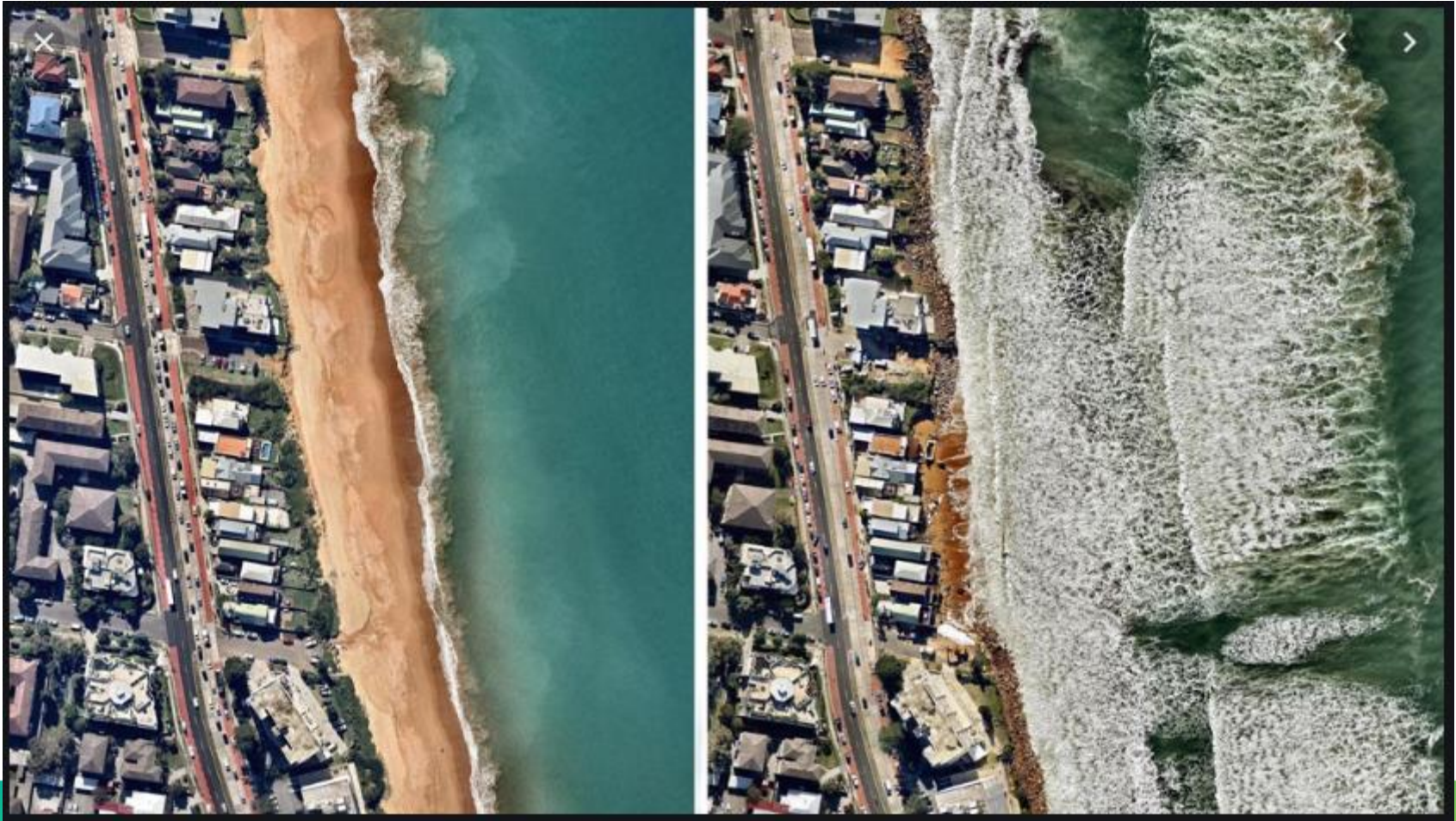
Day 1



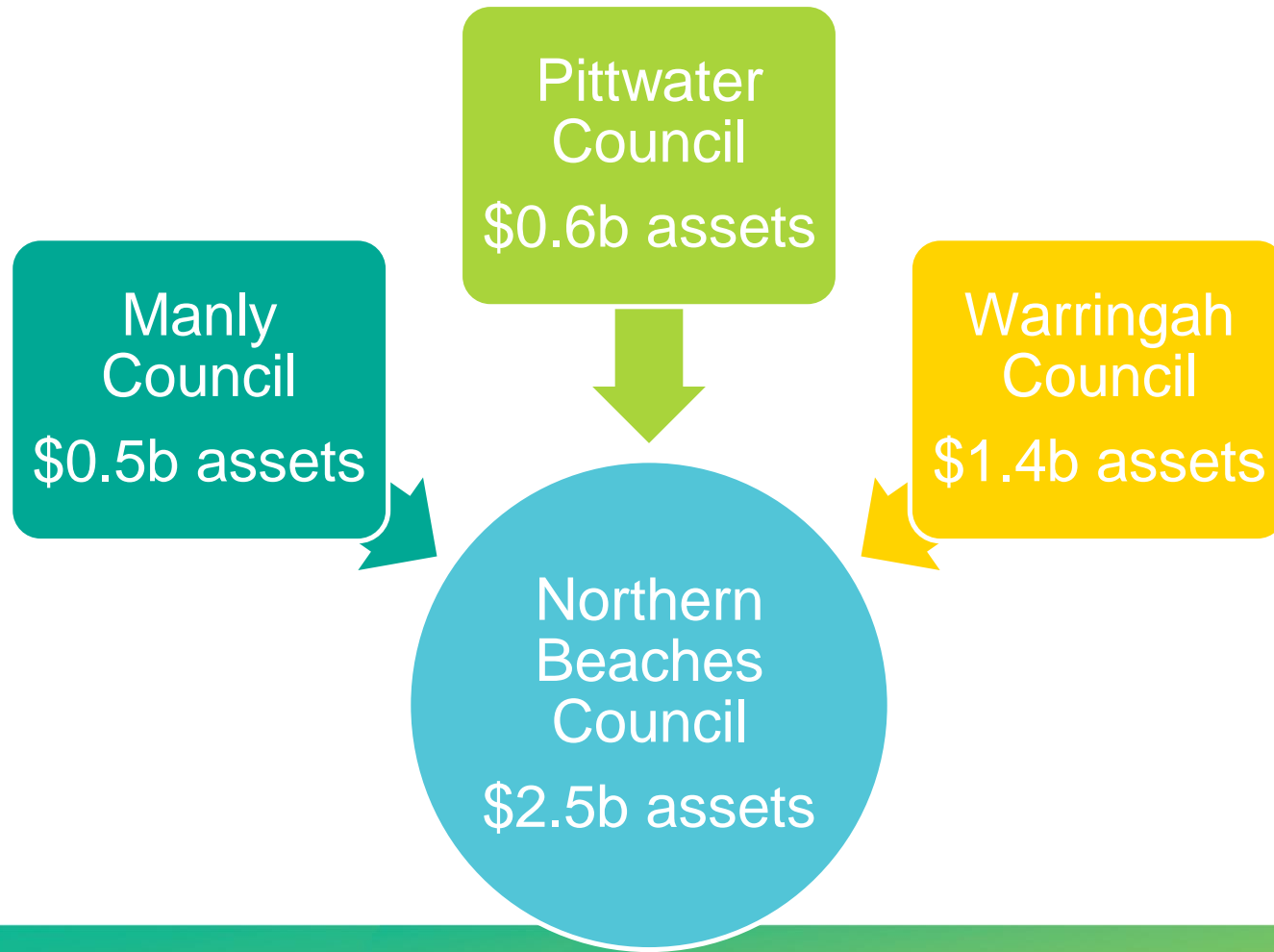
New boss!



... and then it did!



Infrastructure Asset Registers



Sources of truth

- Asset registers:
 - TechOne
 - Civica
 - Map Info
- Spatial information
- Offline spreadsheets
 - CAPEX programs

Valuation methodologies

- Value of each asset
- Different useful lives
- Depreciation rates
- Revaluation strategies
- Capitalisation methodology

What is it worth?



VS



Concrete footpath

1.5m wide

Unit rate \$130/m²

Concrete footpath

1.5m wide

Unit rate \$86/m²

What is it worth?



VS



Rockpool

1000 m²

Unit rate \$1,400/m²

Rockpool

1500 m²

Unit rate \$1,100/m²

How long will the asset last?

100
years



80 years

75 years

150
years



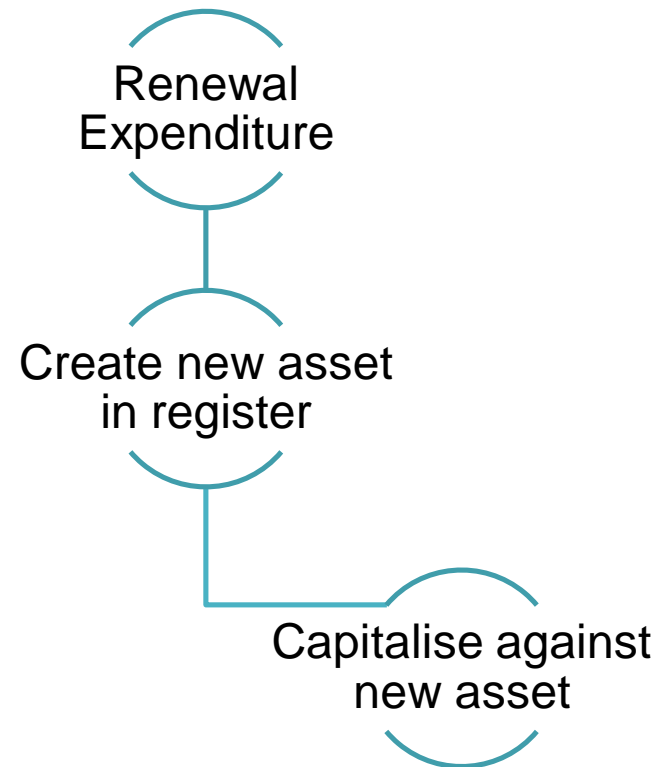
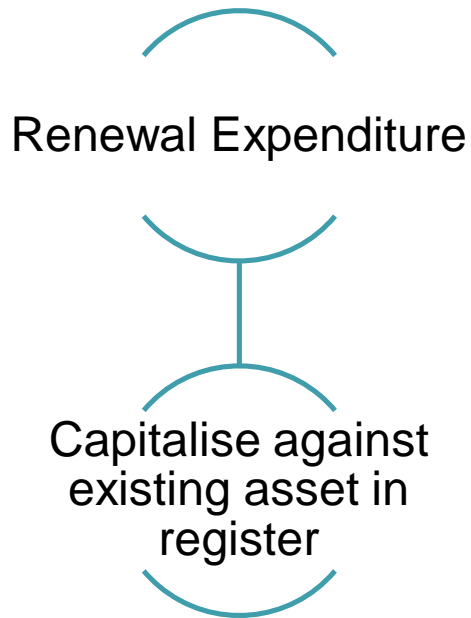
80 years

120
years



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Capitalisation methodology



- Duplication of assets in register
- Asset values across multiple assets in register

Duplication of assets



node_no	dsc_na2	node_pare	dsc_na1	full_desc	sequence	open_date
Asset ID	ID Description	Asset P	Parent	Full Description	Sequel	Start Date
6178	Bridge Abutment	6177	Bridge	Roads Infrastructure/Manly/North Steyne Road/Seg001/Bridge/Bridge Abutment	1	05/02/2013
6179	Bridge Decking	6177	Bridge	Roads Infrastructure/Manly/North Steyne Road/Seg001/Bridge/Bridge Decking	2	05/02/2013
6180	Fence	6177	Bridge	Roads Infrastructure/Manly/North Steyne Road/Seg001/Bridge/Fence	3	05/02/2013
6181	Fence	6177	Bridge	Roads Infrastructure/Manly/North Steyne Road/Seg001/Bridge/Fence	4	05/02/2013
6182	Bridge Pier	6177	Bridge	Roads Infrastructure/Manly/North Steyne Road/Seg001/Bridge/Bridge Pier	5	05/02/2013

Asset Details

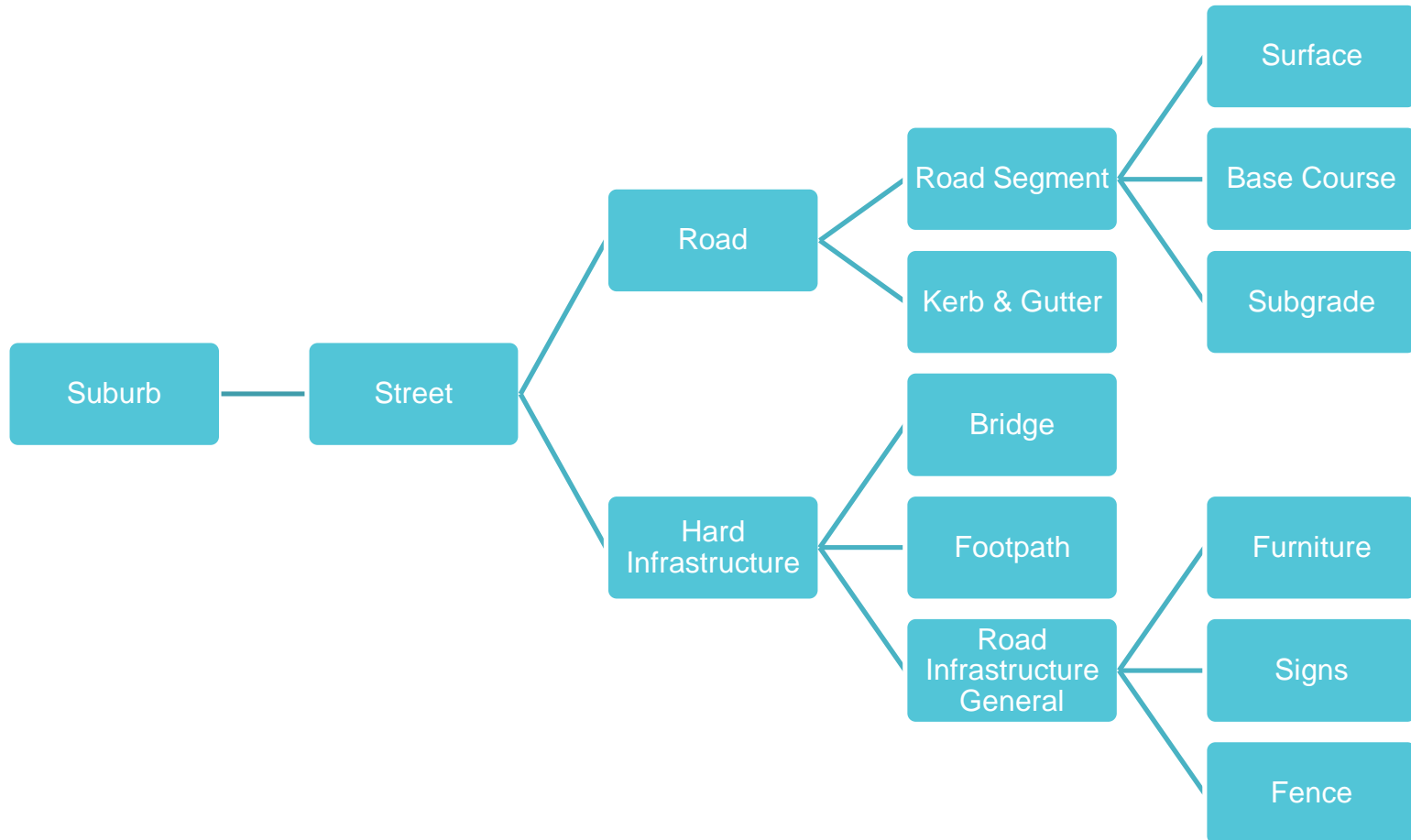
Asset Register:* WCENGINE Engineering Assets
 Asset Number:* BBB00003 Stuart Somerville Bridge
 Asset Structure: AAANNNNN

Asset Details Attribute Details Work Details Map View

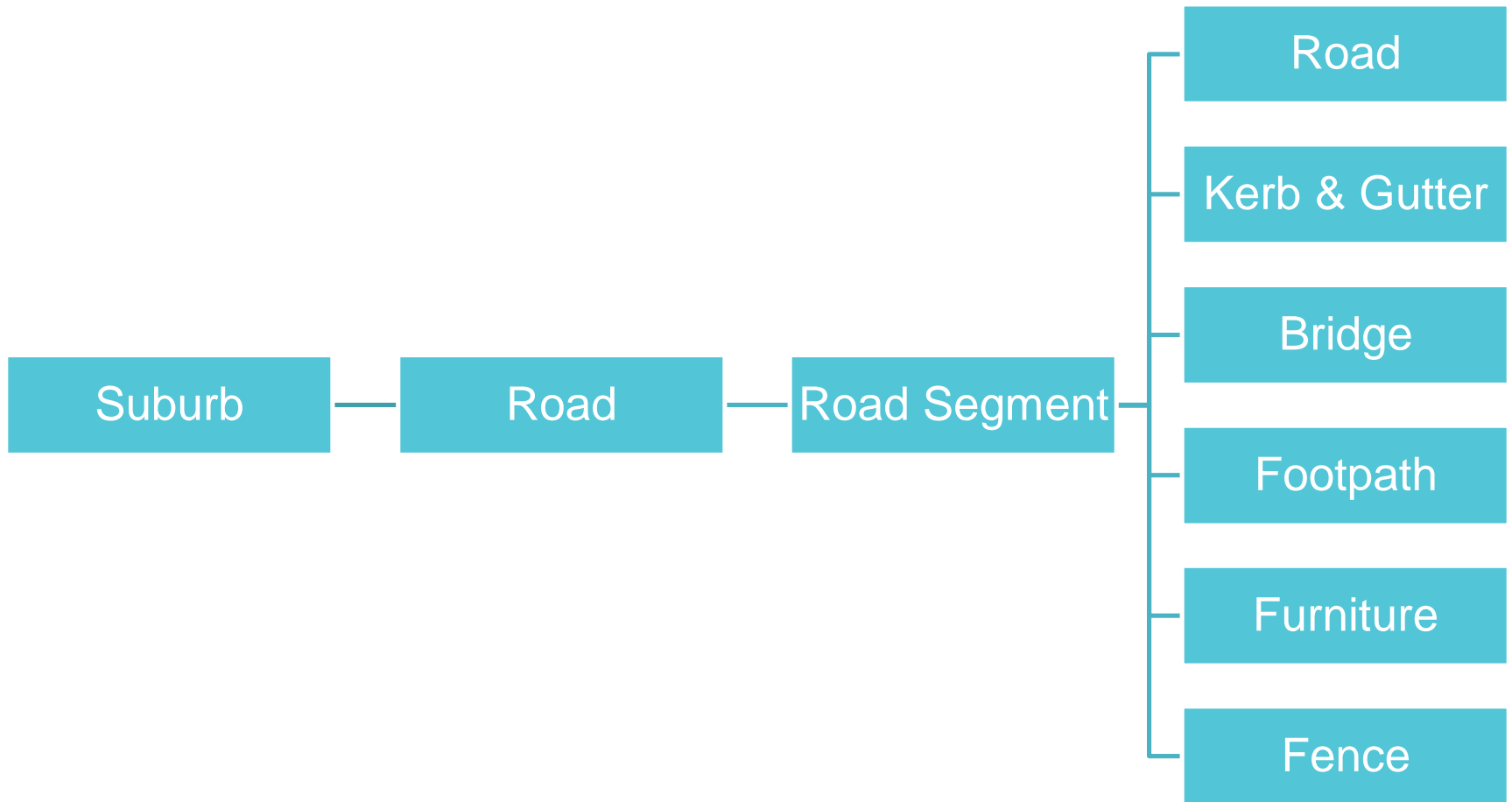
Asset Category

Asset Category:*	Hard Infrastructure\Bridge	
Brg Superstructure:*	PPLNK	Prestressed Concrete
Brg Abutment Type:*	CWALF	Reinforced Concrete
Brg Pier Type:*	CCFG	Concrete Columns on
Bridge Deck Type:*	CONC	Concrete Bridge Deck
Bridge Handrail Type:*	ALUM	Aluminium
Bridge Type:	GEN	General Bridge
Over:	Manly Lagoon	
Location:	Greycliffe Street	
Road Classification:	REGIONAL	Regional Roads
Date Built:	1/07/1989	
No of Spans/Cells:	3	
Skew:	Straight	
Restrictions:	Nil	
Length:	50.60	
Width:	13.70	
Deck Area:	693.22	
Height:	8.00	
Est. Load Limit:	48 Tonne	
RapidMap_ObjectID:	0	
Easting_MGA94:	341,465	
Northing_MGA94:	6,260,352	

Asset hierarchies



Asset hierarchies



Asset attributes

- Missing data
- Inconsistent attributes

Attribute	Register 1	Register 2	Register 3
Asset type/sub-type	Y	Y	Y
Road name	Y	Y	N
Road segment	N	Y	Y
Material	Incomplete	Incomplete	Incomplete
Length / width / diameter	Incomplete	Y	Y
Side of road	N	Y	Incomplete
Drainage connections	N	Y	N
Condition (1-5)	Y	Y	Y
Technical condition (1-10)	N	Y	N

Various information on assets

- Attribute information in descriptions
- Condition data collection methods
- Condition metadata and collection records
- Previous valuation schedules
- Aging data (particularly condition)

What confidence did we have in our data?

- How old is the data?
- Is it still relevant?
- Is there duplication?
- What is missing?

So how did we plan for the future?

- Former councils' 1-2yr forward works plan
- Validated asset data
- Recent studies (<5 yrs old)
- Staff knowledge
- Maintenance requests since amalgamation



Conclusions

- Standardising asset registers and data
- Benchmarking asset data across Local Governments
- Meaningful information that communities can understand
- ... and share

But as of now we're doing fine!



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A big thanks to Megan!

Questions?