



NOOSA COUNCIL



NOOSA COUNCIL CASE STUDY

Improving the Accuracy of Roads Data
&
The Asset Data Improvement Project

The Holy Grail



Getting Engineers and Accountants on the same page with a single point of truth...



Background



Noosa Council de-amalgamation in 2014

- Separate Systems: T1 Financials + GIS + SMEC
- Pressure to hit the ground running
- Data loaded in each system with no validation on whether the data aligned

Ongoing 2014 - 2017

- No processes in place to reconcile ongoing changes
- No agreed asset hierarchy & data structure
- Capitalising as single assets to reduce WIP
- Impossible to identify existing assets for renewals
- Revaluations difficult

Triggers to Start Addressing the Issue



Primary Driver (Financial)

- Roads class revaluation due in 2018
- Roads data in finance system unreliable to support revaluation

Other Organisational Drivers

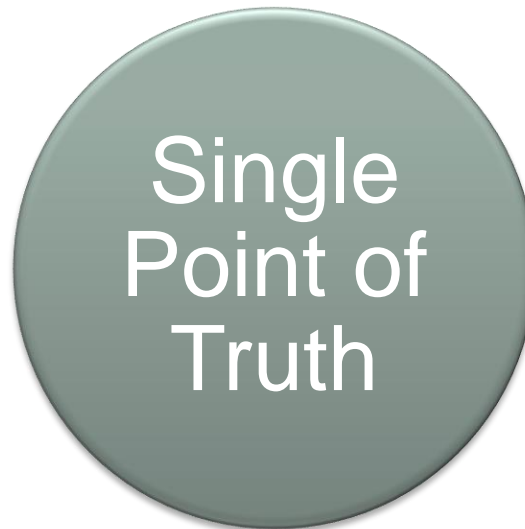
- Accurate data for asset planning & CWP
- Organisational commitment for one system
- Operational stakeholder needs (condition data, mobility, maintenance planning, workorders, etc.)

(Consider – Appropriateness of the drivers...)

Process we Followed



Stage 1



Stage 2



Range of Issues Identified....



How we treat the old
surface layer

Incorrect layer
classification
(e.g. surface vs base)

Age of assets

Length of assets
*(e.g. GIS centerline
length vs segment length
on intersections)*

Width of pavement
*(wider than surface? And
would you replace that
extra width anyway?)*

On-road carparks &
cycleways
Bridge surfaces
Roundabouts

Depth of Road Layers

Segmentation
mismatches

Kerb and channel
*(change in valuation
treatment – included vs
excluded)*

Outcomes



Difference between Systems (# records)

Layer	T1	SMEC
Formation	1,144	2,761
Subbase	1,534	
Base	1,983	
Surface	2,416	

- WDV decreased by \$55M (PPE overall decreased by 10%)
- Depreciation decreased by \$2.8M
- Over 3,000 new assets recognised
- 500 assets derecognised

Lessons Learnt



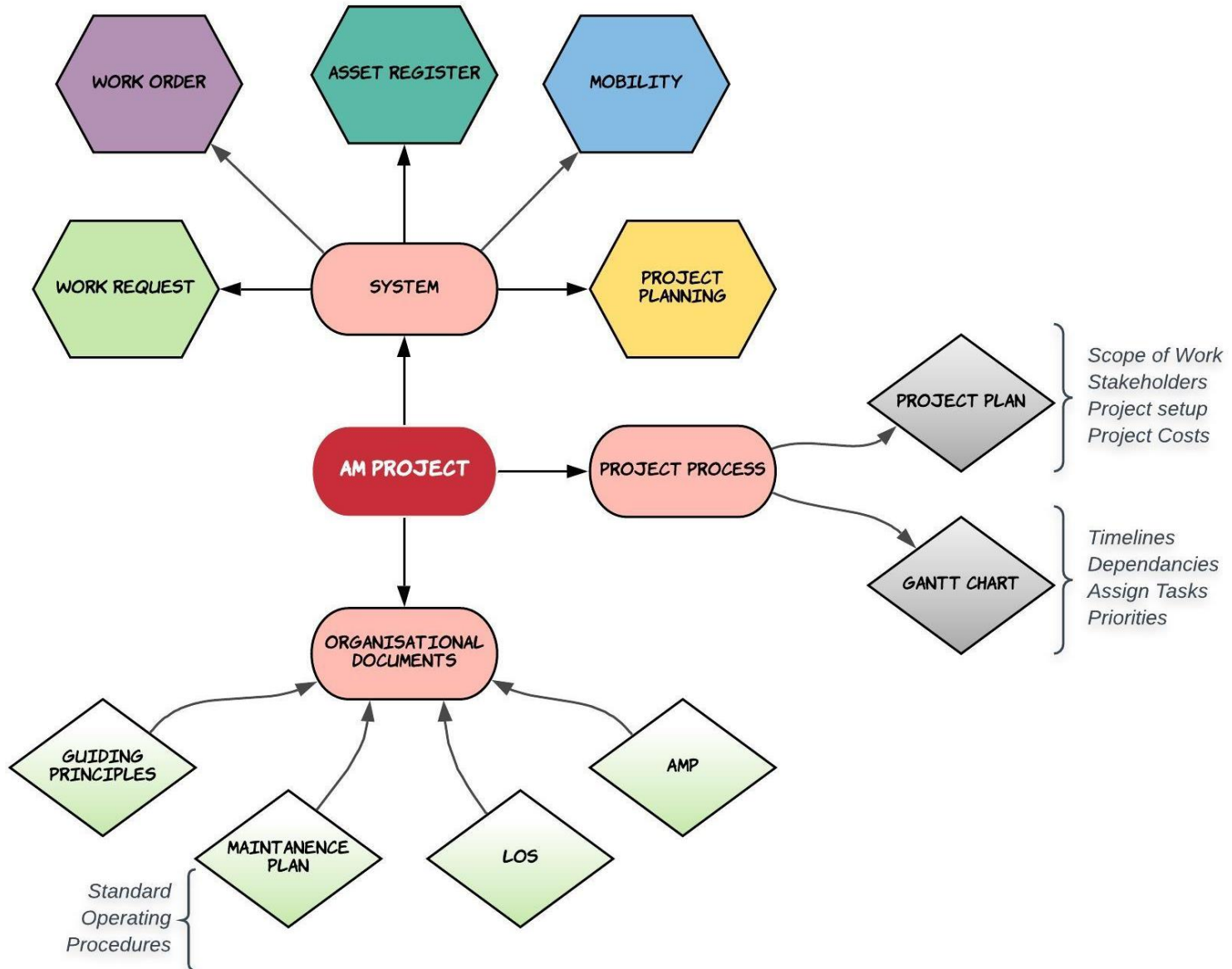
- Pressure to meet audit deadlines
- Resourcing constraints
- Didn't resolve the ongoing process
- Did not take into account all the priorities and drivers for change
- Should have resolved data ownership first
- Focused on short term immediate revaluation pressure rather than the full scale of the project

Asset Data Improvement Project



- Noosa Council approved a 3-year project
- Additional short term resourcing
- Focus extends beyond just asset data to inform valuation:
 - Procedures
 - Information and data structure
 - Reporting
 - Works Requests System
 - Mobility
 - Capital & Maintenance Planning

Asset Data Improvement Project



Key Takeaways



1. Plan ahead - Don't reconcile/fix it in the same year as revaluation

2. Data structure & process

3. Estimate the impact to your operating position (budget and LTFP)

4. Partner with QAO

5. 80/20 Rule

End of Presentation

