FNQROC ROAD ALLIANCE PROJECT PRIORITISATION TOOL
‘One graceful equation tool that takes away the pain of constructive discussions between the merits of each project within a region’
Why?

- All councils have projects that provide merit to their constituents
- Based on the most need, not the most needy
- Substantial environmental difference between LGA’s
- Fair distribution of TIDS funding
- RTA Guideline Requirement
- 11 Councils in our RRTG
- Existing Tool unstable
- How to make the assessment of these fair?
FNQROC Strategic Economic Priorities

1. Develop resilient transport infrastructure and connectivity
2. Provide reliable and affordable water and energy
3. Respect and manage our natural assets and environment
4. Develop equitable social infrastructure
5. Provide equitable communication network
Why?
Pt Deux

FNQROC Strategic Economic Priorities

1. Develop resilient transport infrastructure and connectivity
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How?

**Overarching Framework**
- Austroads – Guide to Project Evaluation
- DTMR – Cost Benefit Analysis Manual

**Method of Assessment**
- Benefit Cost Analysis (BCA) – 30%
- Multi-Criteria Assessment (MCA) – 30%
- Risk Assessment – 30%
- Identified in Regional Roads Investment Strategy – 10%

(Under Development)
Multi-Criteria Analysis

- Economic
  - Promotion of the Region
  - Tourism
  - Industry
  - Agriculture
  - Mining
  - Local Employment and Capability
- Social
  - Emergency Access
  - Inter-community Access
  - Bus, Pedestrian and Cycle Facilities
  - Equitable Access
  - Alternative Modes of Transport
- Safety
  - Pedestrian Safety
  - Vehicular Safety
- Environmental
  - Air and Dust Pollution
  - Flora and Fauna
  - Visual Amenity
  - Noise
  - Environmental Outcomes
Benefit Cost Analysis

- Vehicle operating costs
- Travel time costs
- Accident costs
- Externalities
  - Nature and Landscape
  - Air Pollution
  - Greenhouse gases
  - Noise pollution
  - Water pollution
  - Urban Separation
  - Upstream and Downstream costs
Failure of the Asset

- People Safety
- People Efficiency
- Delay Penalty
- Road Agency
- Regional Economy
- Local Environment
LG Bonus: Stand alone Cost/Benefit analysis tool for use in grant/funding applications (Which uses TMR/Austroads framework.)
FNQROC Project Prioritisation Tool

Future Developments:
• Rationalisation of inputs
  • Incl. pre-population of some inputs
• Rationalisation of MCA criteria
• Auto distribution of funding
• TMR/TIDS cost reporting output
FNQROC
Project Prioritisation Tool

WHOOP DEE DOO BASIL
WHAT DOES IT ALL MEAN?
FNQROC Project Prioritisation Tool

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PROJECT PRIORITISATION TOOL

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Trinity Engineering and Consulting