

The
Key
Issues

Making it Work on the Chatham Islands



ROAD ENGINEERING ASSOCIATION OF ASIA & AUSTRALASIA (NZ)



LOW
VOLUME
ROADS
WORKSHOP
2007



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Chatham Islands Flyover



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Chatham Islands Economy



MWH

- Farming
 - 79500 Sheep
 - 5200 Cattle
- Fishing
 - 340 tonnes Crayfish
 - 327 tonnes Paua
 - 500 tonnes Cod
 - 60% island income, 33% of employment



Chatham Islands Tourism



- 80+ Commercial beds available
- High season November to March
- Fishing, diving, hiking, scenery, Moriori culture
- Eco tourism
- Strong growth



Chathams Islands Community



MWH

- Unique ethnic heritage
- Family
- Council and trust for commercial enterprises
- Department of Conservation
- Biodiversity and natural heritage



Chatham Islands Goals



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- “A compliant, viable council working towards a sustainable future for our people and our Islands.”
- Achieve Regulatory Compliance.
- Strong desire to achieve mainland NZ standards.



Chatham Islands Roads



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- 162 km of roads
- 10 km sealed roads
- 120 km good unsealed roads
- 20 km unmaintained tracks
- 12 km maintained tracks on Pitt Island
- 22+4 bridges/culverts
- Serve farmers, fishermen, tourism...



Challenges...



MWH

- Isolation
- Limited resources (materials and labour)
- Rising oil costs have a significant impact for the Chatham Islands
- “Constructability”
- Justifying projects



...More Challenges



MWH

- Geology
- Climate



Making it Work



MWH

- Working together
 - Open
 - Develop programme
 - Design collaboration
 - Consult the community
 - Community involvement (eg crash database)



Making it Work



MWH

- Trials (eg geogrid)
- Strengthening programme

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Making it Work



MWH

- Unique maintenance strategy that works
- Efficient use of resources



Some Current Projects



MWH

- Grade 3 to Grade 2 upgrade
- Seal extension to airport (investigation)
- Port Hutt realignment
- Te One School safety improvement
- Safety Management System
- Bridge replacement
- Footpath strategy

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Focus From Here



MWH

- Safety Management System (SMS)
- Code of Practice
- Deficiency database
- Delineation strategy
- Soft engineering

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Questions?



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