



**AMADEUS**  
Road Closure Coordination & Control



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Auckland Motorways New Zealand Government

**Auckland Motorways**



- Start 1 Oct 2008 - 10 year Alliance to operate and maintain the Auckland Motorway network
- Led by NZTA in conjunction with Fulton Hogan, Beca, Opus International Consultants, Resolve Group and Armitage Systems Ltd
- 220 km of motorway, with some areas of 200,000 vehicles per day and over 140 structures

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**Challenges**

- 70 Mobile Rolling closures per week
- 20 Semi Static closures per week
- 60 shoulder closures per week
- 25 lane closures per week
- 15 full closures per week

Contributors:

- 3 Major Capital Projects in the Central Motorway Junction
- 3 Capital Projects around Auckland
- Maintenance work from the AMA

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**AMA Challenge**

1. AMA - Key Performance Indicators (KPI)

Communications Team

- Customer and Stakeholder driven Organisation

Traffic Operations Team

- Optimised Throughput - Delays due to road closures (TTM)
- Optimised Throughput - Congestion
- Reliability (of travel time)

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### Key Points

1. Description of the system
2. Benefits of the System
3. Future

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### AMADEUS

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### Workflow

1 items in 1 pages				
	Description	Contractor	STMS	Actions
E	(#14048) Southbound lanes 1 & 2 closed	Victoria Park Alliance	Kelly, Steven ((027) 289 3993)	28-Oct-2010 3:37 PM None [G] [R] [N] [V]
1 items in 1 pages				

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### The Workflow



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### Summary




- We have a challenge of having to coordinate a huge number of closures and needing to minimise congestion
- Defined the workflow and used this to develop a tool which can reliably deliver the compliance and network performance
- AMADEUS is a tool to assist us with modifying the behaviour of those undertaking work on the network



### Map View



### The Future



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