

AMADEUS

Traffic Management Approval System for the AMA

Doris Stroh (Network Traffic Control Manager)

Auckland Motorways

Responsible for now & future

SH1
Pokeno - Puhoi

SH16
The Strand - Westgate

SH18

SH20/A/B

SH22 to Pukekohe

SH1
Northern Busway (2008)

SH1
Northern Gateway Toll Road (2009)

SH20
Mt Roskill Extension (2009)

SH18
Greenhithe Deviation (2007)

SH1-20
Manukau Extension (2010)

SH18
Hobsonville Deviation (2011)

SH20
Manukau Harbour Crossing (2011)

SH1
Newmarket Connection (2013)

SH1
Victoria Park Tunnel (2014)

SH20
Waterview Connection (2015)



□ Start 1 Oct 2008 – 10 year contract 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

OBJECTIVES

We will manage and deliver the maintenance and operation of our network to:

- ✓ Maximising the efficiency of the motorway and wider Auckland transport network
- ✓ Deliver excellent service to our customers and stakeholders
- ✓ Create a positive legacy
- ✓ Deliver value for money
- ✓ Grow our people

Values

Core to behaviour, we will

- ✓ Put safety first and everything else second
- ✓ Recognise that we can all make a difference
- ✓ Be prepared to challenge ourselves and others
- ✓ Welcome change for the good
- ✓ Work hard
- ✓ Work smart

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)

Challenges for the TMC Team

- ❑ 40 Mobile Rolling closures
- ❑ 40 Semi Static closures
- ❑ 35 shoulder closures
- ❑ 20 lane closures

Contributors:

- 3 (soon 5) Major Capital Projects on SH16
- 2 Capital Projects around Auckland
- Maintenance work from the AMA

2008

Customers

- Be informed at all times
- No Congestion due to road works
- Less closures

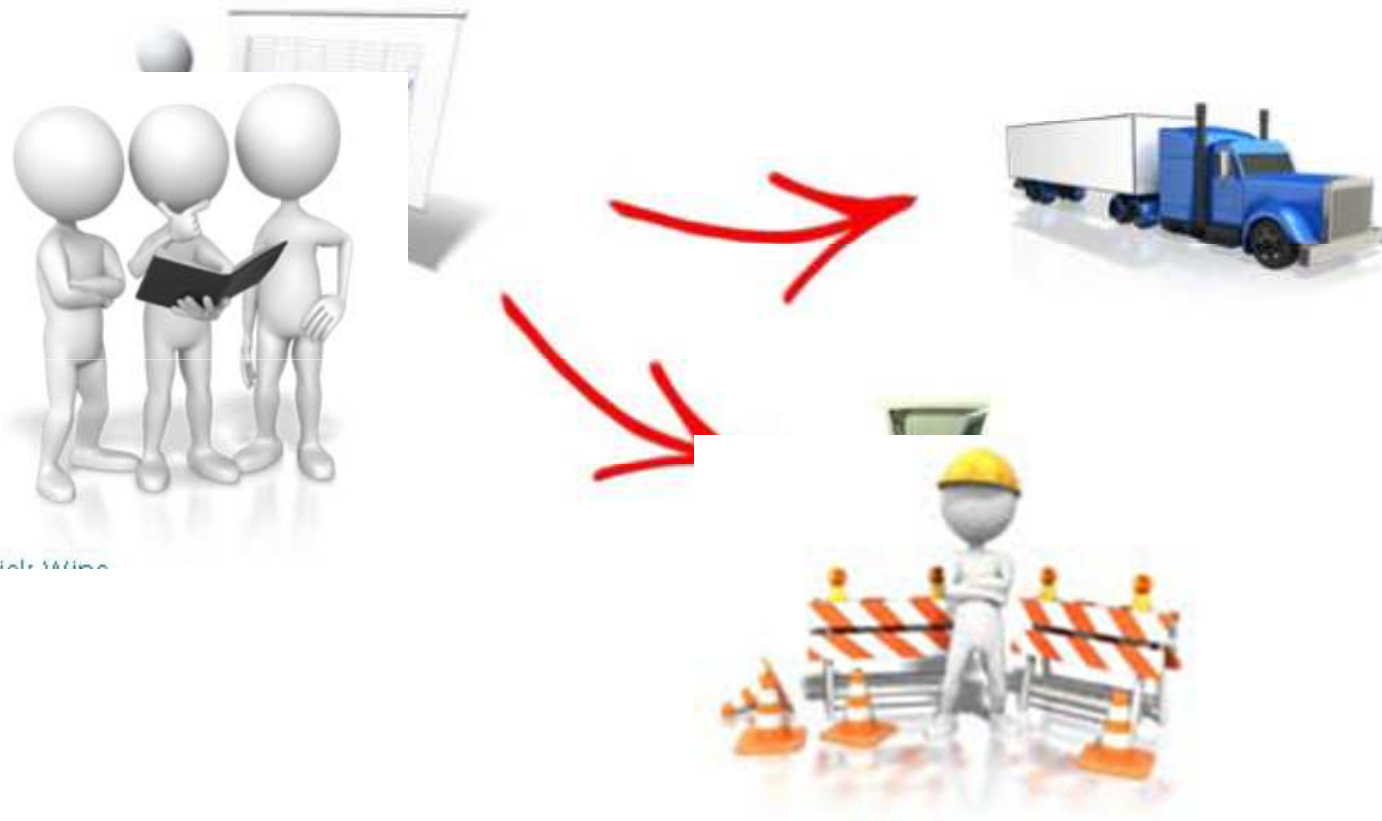
Contractors

- User friendly system
- Bigger working windows

TMC Team

- User friendly system
- Happy customers
- Happy contractors

What can we do ?



AMADEUS

Overview of the system

- Web-application hosted at the AMA
- Access at <http://amadeus.org.nz>
- Allows organisations (e.g. contractors) to place a formal request to put closures out on the AMA network
- User Based Security
- SSL Security

Default Home Page

The screenshot shows the Amadeus NZ Transport Agency website. The header includes the Amadeus logo, a search bar with 'All' selected, and a desk name 'TMP Contractor'. Navigation links include 'Find Working Contact' and 'Skill Search'. The main content area features a 'Welcome to Amadeus' message and a section titled 'The approval system for Traffic Management' with a brief description. A left sidebar contains navigation links for 'All TMPs', 'Closures List', 'Closures Today', and 'Closures This Week'. A right sidebar titled 'Links' contains links to 'CoPITM', 'AKL traffic & CCTV', 'AKL Roadworks', 'AKL regional map', 'EED Template', 'TSL Template', and 'Amadeus User Guide'.

Amadeus
NZ TRANSPORT AGENCY
WAIKA KOTAHU

Search All for >>> Search Text <<< Go

Desk: TMP Contractor

Find Working Contact Skill Search

Closures List | All TMPs | New TMP | New Generic TMP

All TMPs
Closures List
Closures Today
Closures This Week

Welcome to Amadeus

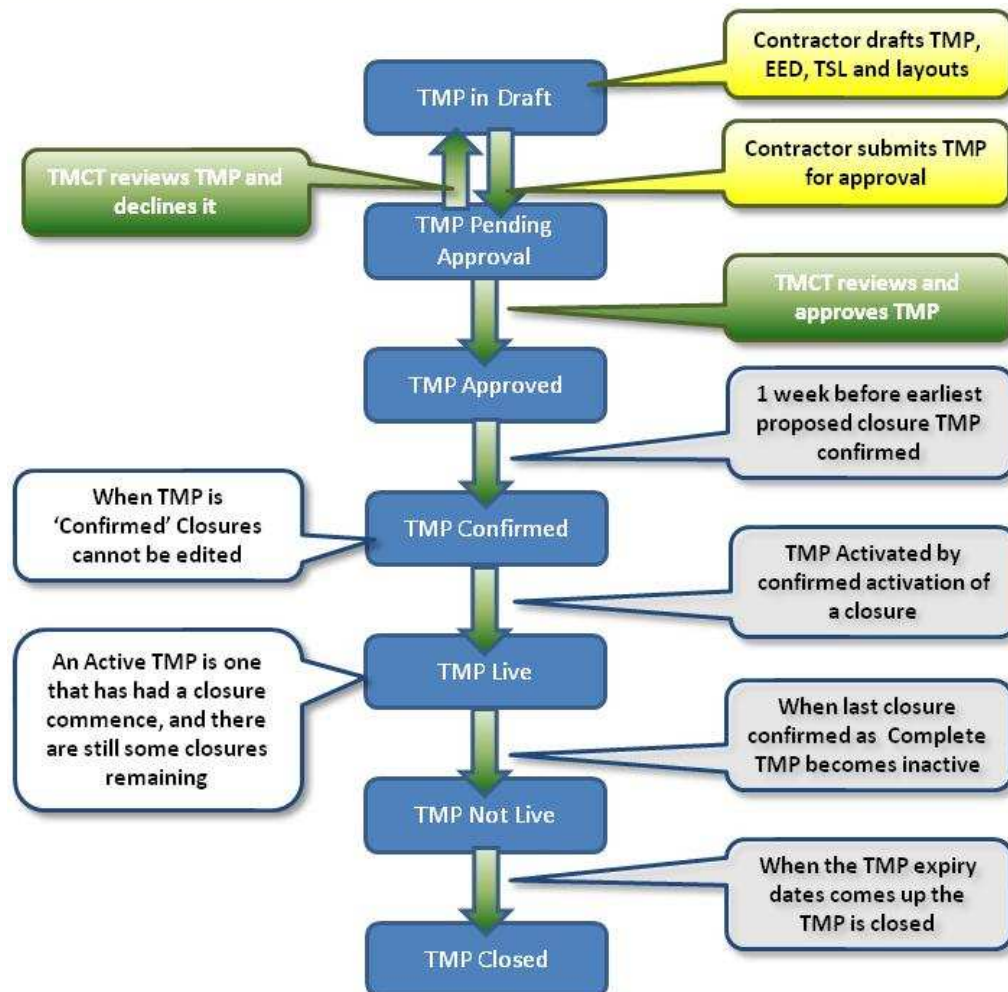
The approval system for Traffic Management

On the left you will find links into Closures and TMPs. Across the top of the page are links to create New TMPs, and on the right are links to useful resources.

Links

- CoPITM
- AKL traffic & CCTV
- AKL Roadworks
- AKL regional map
- EED Template
- TSL Template
- Amadeus User Guide

Different states of a TMP



Daily programme

Auckland Motorway Alliance Daily Closure Report 30/06/2013



Auckland Motorways

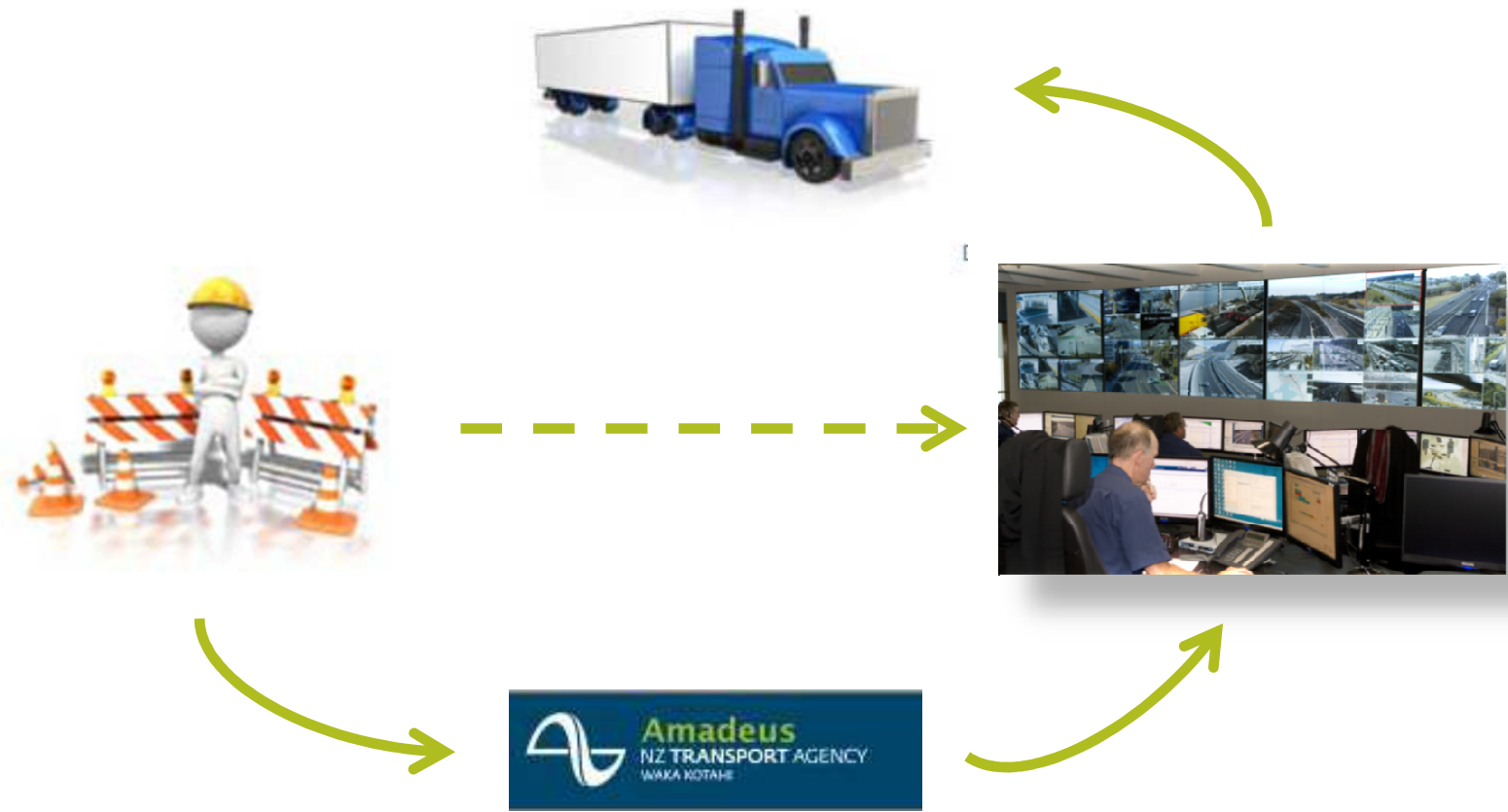
TMPNo	SH	Location	First Sign Time	StartTime	EndTime	ClosureType	Description	Contractor	STMS	STMSPhone
18261	01N	SH-01, 1K, 16, 18, 20, 20A, 20B, 22 Entire Length (both directions)		7:00	7:00	Shoulder	General inspection activities by AMA personnel	Auckland Motorways	Potusa, Fiti	(027) 246 6087
24478	01N	All SH's Within AMA Network		21:00	5:00	Mobile Semi-static	SH 1 including SH 16, SH 18, SH 20 A&B at various locations - Paving	Auckland Motorways	Martin, John	(027) 2944 003
25545	01N	SH-01 Fanshawe Street	21:00	22:00	5:00	Lane	Left lane closure northbound between Fanshawe Street on ramp and Curran Street on ramp to repair noise wall	Auckland Motorways	Tiaiti, Joe	(027) 2466 071
25545	01N	SH-01 Fanshawe Street		22:00	5:00	Close Ramp	Fanshawe Street northbound on ramp closed as part of the noise wall remedial works	Auckland Motorways	Tiaiti, Joe	(027) 2466 071
25486	01N	SH-01 Newmarket Viaduct		7:00	7:00	Shoulder	Shoulder closure southbound between St Marks Road on ramp and Market Road off ramp	NGA Newmarket	Tate, George	(021) 0815 1176
25129	01N	SH-16 between Newton Road and St Lukes	21:00	22:00	5:00	Close Ramp	SH 01 northbound link to SH 16 westbound closed as part of the surfacing works - Detour to Nelson	Auckland Motorways	Mansson, Stefan	(021) 588 011
25137	01N	SH-01 S/B Hill Road		7:00	7:00	Shoulder	Hill Rd southbound off ramp shoulder closure for surfacing works on the local road	Downer EDI Ltd	Kino, Tumoana	(027) 489 1819
23004	01N	SH-01 N/B Hill Road On Ramp		21:00	5:00	Close Ramp	Hill Rd northbound on ramp closed - detour to Manukau (Redoubt Road)	Auckland Motorways	Rangi, Roger	(027) 2440
24478	01N	All SH's Within AMA Network		21:00	5:00	Mobile Semi-static	SH 1 Takanini to Gillies Medians - Sweeping	Auckland Motorways	Barber, Joseph	(027) 246 6065
24478	01N	All SH's Within AMA Network		21:00	5:00	Mobile Rolling	SH 1 Takanini to Pokeno - Sweeping	Auckland Motorways	Murphy, Stephen	(027) 4817
24478	01N	All SH's Within AMA Network		21:00	16:00	Shoulder	SH 1 southbound between Papakura interchange and Park Estate Overbridge - Shoulder closure	Auckland Motorways	Barber, Joseph	(027) 246 6065
24935	01N	SH-01 between Drury and Takanini (both directions)		18:00	6:00	Mobile Rolling	Mobiles for site access & maintenance (both directions) at night - semi-statics on N/B Off & Loop On Ramps	HEB Traffic	Harris, John	(027) 214 0826
24935	01N	SH-01 between Drury and Takanini (both directions)		21:00	4:30	Mobile Semi-static	Semi-static for emergency paving works	HEB Traffic	Harris, John	(027) 214 0826
25379	01N	SH-01 Mt Wellington Interchange		7:00	7:00	Signs Only	Signs only throughout Mt Wellington interchange for works on the local road	NZ Traffic	Van Piere, Michael	(021) 996 913
25413	01N	SH-01 N/B between Takanini and Manukau		21:00	5:00	Close Ramp	Takanini northbound on ramp as part of the total closure	Auckland Motorways	Rangi, Roger	(027) 2440 085
25413	01N	SH-01 N/B between Takanini		22:00	5:00	Total Closure	Total closure northbound between Takanini and Manukau for bridge	Auckland Motorways	Rangi, Roger	(027) 2440



Auckland Motorways

New Zealand Government

Traffic Operations Centre – Integration



Traffic Operations Centre integration

1 items in 1 pages

	Description	Contractor	STMS	Actions
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	(#14048) Southbound lanes 1 & 2 closed	Victoria Park Alliance	Kelly, Steven ((027) 289 3993)	28-Oct-2010 3:37 PM Note A D N V

1 items in 1 pages

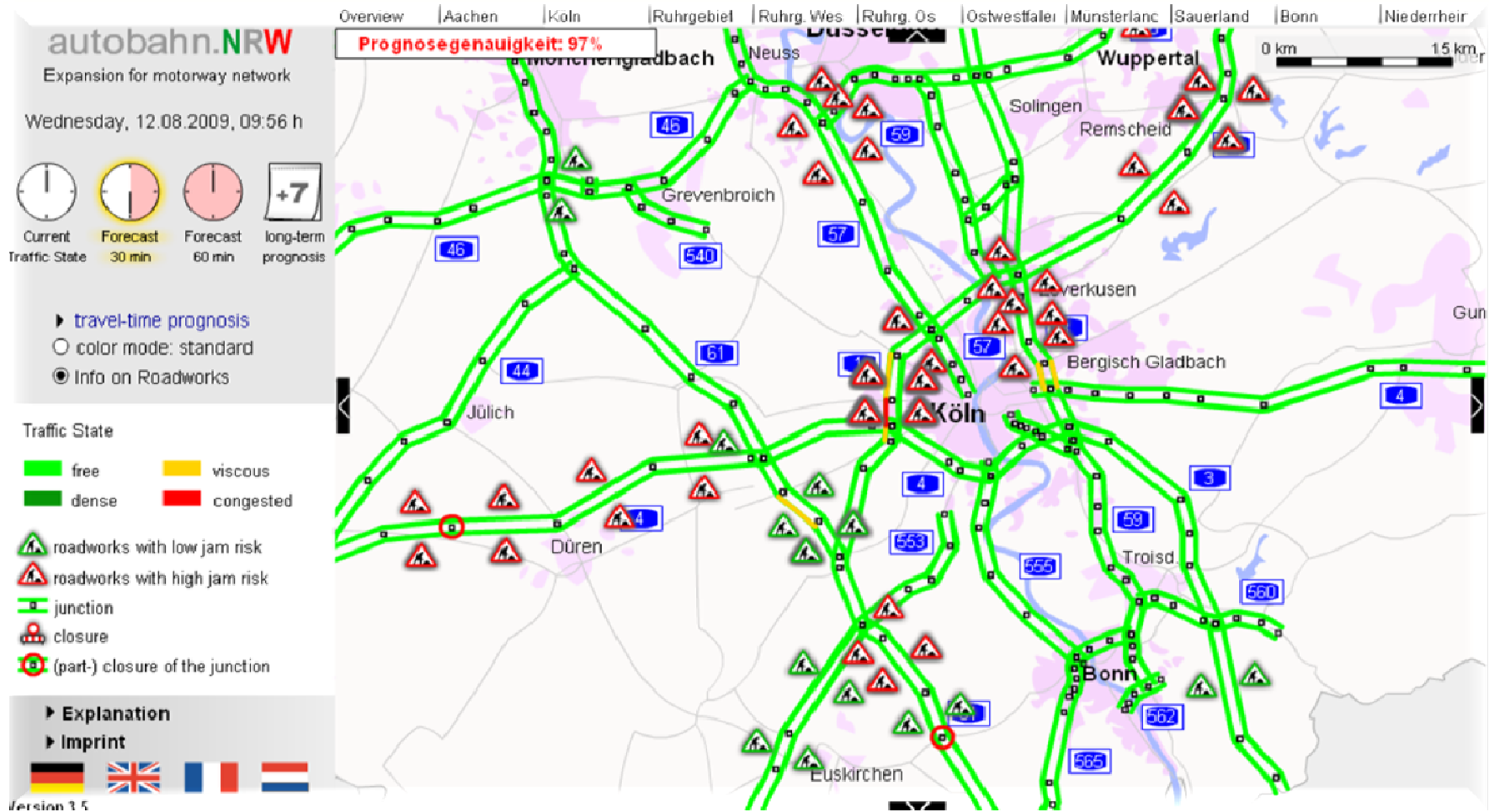
JTOC integration

Closure Activation/Deactivation

Page size: 20 665 items in 34 pages

S	TMPNo	State Highway	TMP REF	Location	RP	Start Date	Finish Date	Start Time	Finish Time	Closure	Description	Contractor	STMS	Actions
D	15329	SH16(W) --> SH1(S) Link	IS-93 #14075	SH-01 S/B Grafton Road Over Bridge	SH16(W) --> SH1(S) Link/0.01 to SH16 (W) --> SH1(S) Link/0.08	28-Jun-2010	25-Jan-2010	9:00 p.m.	5:00 a.m.	Total Closure	SH-16 North Western Link to SH-01 Southbound Link Closed for resurfacing and repairing the bridge joints at the Grafton Road Overbridge. Detour to the Grafton Road Southbound On Ramp	Auckland Motorways	Reid, Benjamin (021759890)	28-Jun-2010 9:30 AM Note D N
D	15341	SH16 (Port) --> SH1(N) Link	IS-30 #13521	SH-01 N/B Nelson St to Fanshawe St. Detour via Nelson St off ramp (for both SH-01 and SH-16) and Fanshawe St on ramp	SH16 (Port) --> SH1 (N) Link/2.11 to SH16 (Port) --> SH1 (N) Link/2.87	28-Jun-2010	17-Sep-2009	9:00 p.m.	5:00 a.m.	Total Closure	SH-16 Port to SH-01 North Link Closed. Detour on SH-16 to St Lukes and back to Nelson St (using off ramp) and then via Fanshawe St on ramp	Auckland Motorways	Tiati, Joe ((027) 246 6075)	28-Jun-2010 9:30 AM Note D N
A	15391	SH16 (Port) --> SH1(S) Link	#10514 HTS-TDM-116	SH-16 Port to SH-01 S/B Link	SH16 (Port) --> SH1 (S) Link/0.01 to SH16 (Port) --> SH1 (S) Link/0.52	28-Jun-2010	22-Oct-2009	9:00 p.m.	5:00 a.m.	Total Closure	Port to SH-01 Southbound Link Closed for TDM Project Works. Detour via Grafton Rd and Symonds St On Ramp	Transfield Services Ltd	Daniel, Noomaunga ((027) 496 1412)	28-Jun-2010 9:30 AM Note D N
D	15447	SH16(W) --> SH1(N) Link	TMP D032 Rev A	SH16 EB to SH1 NB Link/Ramp	SH16(W) --> SH1(N) Link/0.00 to SH16 (W) --> SH1(N) Link/1.20	28-Jun-2010	31-Mar-2010	10:30 p.m.	5:00 a.m.	Total Closure	SH-16 east to SH-01 northbound link closed	Victoria Park Alliance	Kelly, Steven ((027) 289 3993)	28-Jun-2010 9:30 AM Note D N
A	15498	SH1(N) --> SH16 (Port) Link	IS-109	SH-01 Nelson Ramp B	SH1(N) --> SH16 (Port) Link/0.00 to SH1(N) --> SH16 (Port) Link/2.00	28-Jun-2010	14-Jan-2010	9:00 p.m.	5:00 a.m.	Total Closure	SH-01 Northern Link to SH16 Port - Detour to St Lukes	Auckland Motorways	Tate, George ((027) 551 0153)	28-Jun-2010 9:30 AM Note D N
A	15498	SH1(N) --> SH16(W) Link	IS-109	SH-01 Nelson Ramp B	SH1(N) --> SH16(W) Link/0.00 to SH1(N) --> SH16(W) Link/2.00	28-Jun-2010	18-Jan-2010	9:00 p.m.	5:00 a.m.	Total Closure	SH-01 North Link to SH-16 North Western - Detour to Wellesley Street	Auckland Motorways	Norfolk, Bernard (0272436527)	28-Jun-2010 9:30 AM Note D N
D	15498	SH16(W) --> SH1(N) Link	IS-109	SH-01 Nelson Ramp B	SH16(W) --> SH1(N) Link/0.00 to SH16 (W) --> SH1(N) Link/2.00	28-Jun-2010	25-Jan-2010	9:00 p.m.	5:00 a.m.	Total Closure	SH-16 North Western Link to SH-01 North - Detour to Wellesley Street	Auckland Motorways	Norfolk, Bernard (0272436527)	28-Jun-2010 9:30 AM Note D N
D	15716	SH1(N) --> SH16(W) Link	TMP C033 Rev A	SH-01 Port/SH-16 S/B Off Ramp	SH1(N) --> SH16(W) Link/0.00 to SH1(N) --> SH16(W) Link/1.00	28-Jun-2010	2-Feb-2011	7:00 a.m.	7:00 a.m.	Long Term	Longterm work zone setup in the SH-16 link road gore zone. Traffic shifted left on the off ramp into the shoulder	Victoria Park Alliance	Kelly, Steven ((027) 289 3993)	28-Jun-2010 9:30 AM Note D N

Map View



Closure Activation Report

SH	TMP#	Closure#	Description	Closure Type	STMS	Actual Time	SCH	DIFF	TOC Operator	Note	
016	24892	2110646	Lincoln Road eastbound off ramp closure - detour via Te Atatu Road	Close Ramp	Araipu, Billy ((021) 288 2611)	21:25	21:00	00:25:00	Wayne Sharplin	Closure #2110646 activated:	
						5:12	5:00	00:12:00	Wayne Sharplin	Closure #2110646 de-activated:	
	24895	2106874	Total closure westbound between Te Atatu and Lincoln Rd	Total Closure	Araipu, Billy (021 288 2611)	22:22	21:00	01:22:00	Wayne Sharplin	Closure #2106874 activated:	
						5:13	5:00	00:13:00	Wayne Sharplin	Closure #2106874 de-activated:	
	24895	2106931	Te Atatu Rd westbound on ramp closed as part of total closure	Close Ramp	Araipu, Billy (021 288 2611)	22:21	21:00	01:21:00	Wayne Sharplin	Closure #2106931 activated:	
						5:13	5:00	00:13:00	Wayne Sharplin	Closure #2106931 de-activated:	
	25172	2151122	Lane 2 & 3 closure eastbound Causeway to Great North Rd	Lane	Martin, Lester ((027) 676 8898)	19:12	21:00	-01:48:00	Wayne Sharplin	Closure #2151122 activated:	
						4:47	5:00	-00:13:00	James Loh	Closure #2151122 de-activated:	
	01N	23310	1903366	Gillies Ave northbound on ramp closed for sand filters - detour to Grafton	Close Ramp	Barber, Joseph ((027) 247 6065)	19:38	22:00	-02:22:00	Wayne Sharplin	Closure #1903366 activated:
							5:12	5:00	00:12:00	Wayne Sharplin	Closure #1903366 de-activated:
24839		2088263	Southbound EP Highway off ramp	Lane	Mansson, Stefan ((021) 588 011)	20:22	21:00	-00:38:00	Wayne Sharplin	Closure #2088263 activated:	
						5:13	5:00	00:13:00	Wayne Sharplin	Closure #2088263 de-activated:	
24839		2088325	Northbound EP Highway on ramp	Lane	Mansson, Stefan ((021) 588 011)	20:22	21:00	-00:38:00	Wayne Sharplin	Closure #2088325 activated:	
						5:13	5:00	00:13:00	Wayne Sharplin	Closure #2088325 de-activated:	
24942		2104734	Total Closure northbound between Papakura N/B off ramp and diamond on ramp-Detour via Great South Road	Total Closure	Harris, John ((027) 214 0826)	21:12	21:00	00:12:00	Ben Paul	Closure #2104734 activated:	
						4:57	5:30	-00:33:00	James Loh	Closure #2104734 de-activated:	
24948		2105967	Papakura northbound loop on ramp closure- detour via northbound diamond on ramp or Great South Road	Total Closure	Harris, John ((027) 214 0826)	21:12	21:00	00:12:00	Ben Paul	Closure #2105967 activated:	
						4:59	5:30	-00:31:00	James Loh	Closure #2105967 de-activated:	
25144	2144582	Lanes 1 & 2 chicane closure northbound between Dilworth Footbridge and the Newmarket Viaduct	Chicane	Tate, George ((021) 08151176)	20:44	22:30	-01:46:00	Wayne Sharplin	Closure #2144582 activated: Signing at 2130		
					5:12	5:00	00:12:00	Wayne Sharplin	Closure #2144582 de-activated:		

The near Future



**ROAD CLOSURES &
EXPECTED DELAYS**

Before AMA

9pm – 5am



Please enter the starting and ending RP/RS if the closure span more than one site

From	SH	Direction	RS	RP
To	1	SB	431	1.42
	1	SB	431	1.42

Number of lane to close
Number of lane available

2
4

Day
Closure in Place at
Road Cleared by

Sun
21:45 on Sun
05:00 on Mon_Thu

Worst Queue Delay

0.0 min/veh

Worst Site

SH1 Market Rd Off Ramp to Greenlane East Off Ramp SB

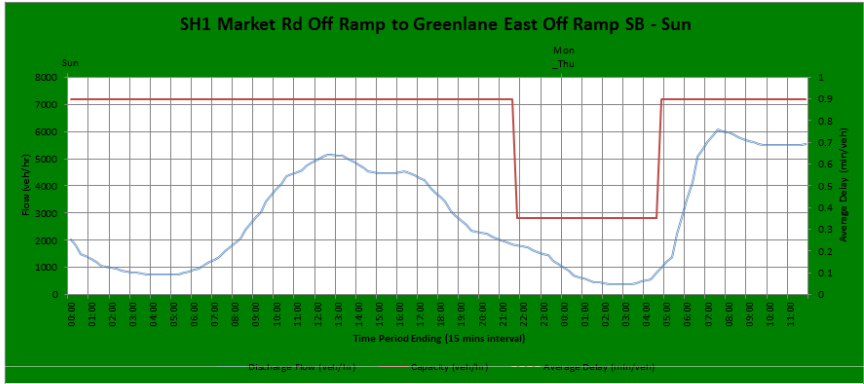
To find RS/RP you can use:
<http://irms.aucklandmotorways.com/>

or choose from the list of site below

Site Name	SH	Direction	RS	RP
SH1 Market Rd Off Ramp to Greenlane East Off Ramp SB	1	SB	431	1.42

CIA - Prototype

Graph



From	SH	Direction	RS	RP
To	1	SB	431	1.42
	1	SB	431	1.42

Number of lane to close
Number of lane available

3
4

Day
Closure in Place at
Road Cleared by

Sun
21:45 on Sun
05:00 on Mon_Thu

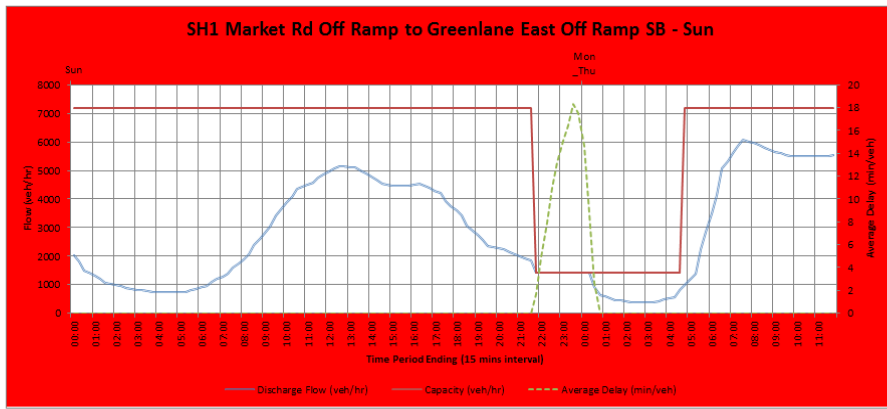
Worst Queue Delay

18.3 min/veh

Worst Site

SH1 Market Rd Off Ramp to Greenlane East Off Ramp SB

Graph



To find RS/RP you can use:
<http://irms.aucklandmotorways.com/>

or choose from the list of site below

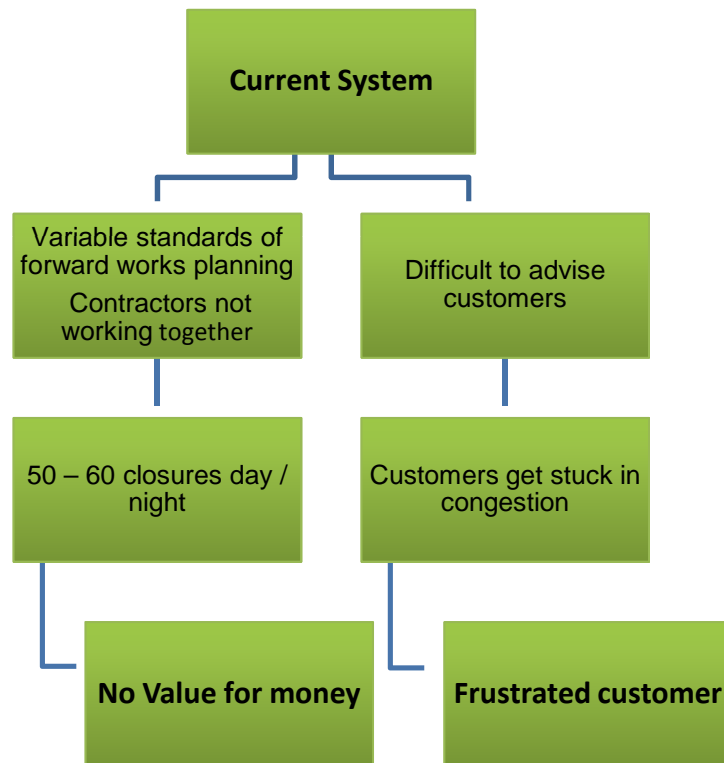
Site Name	SH	Direction	RS	RP
SH1 Market Rd Off Ramp to Greenlane East Off Ramp SB	1	SB	431	1.42



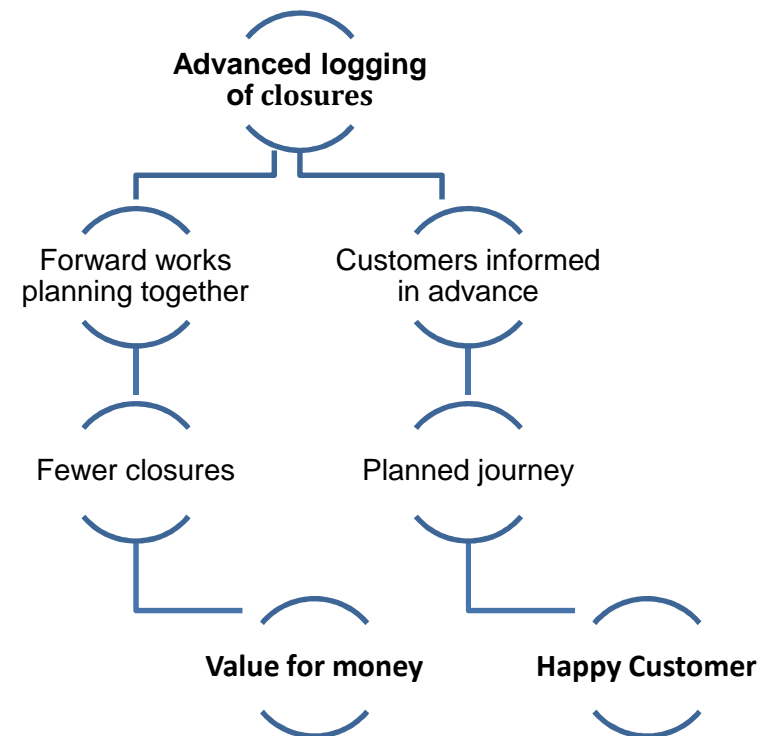
Auckland Motorways

Create Stability

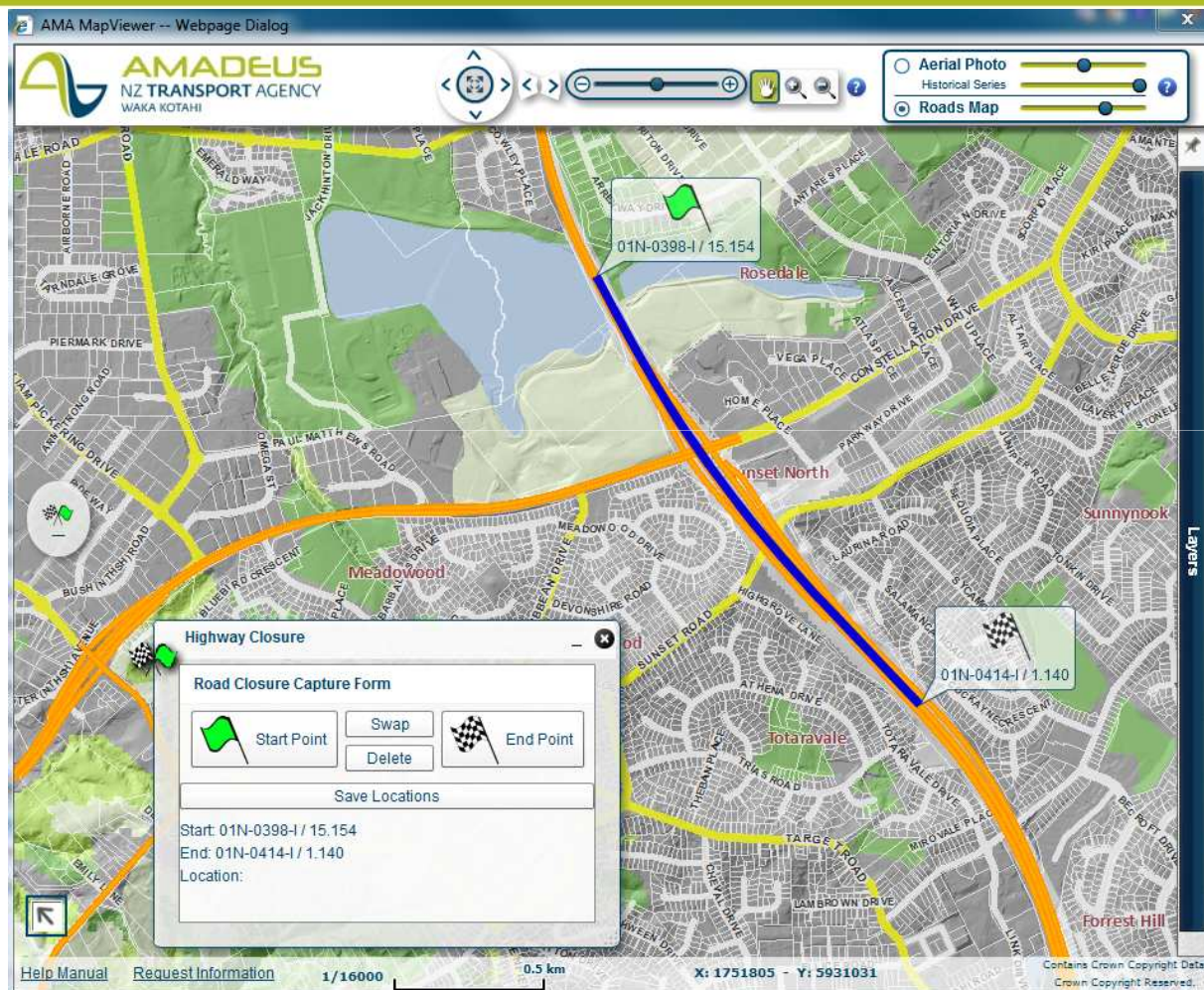
BAU



BLUE SKY



Map View – need to change to other map



Map View



2008

Customers

- Be informed at all times
- No Congestion due to road works
- Less closures



Contractors

- Bigger working windows
- User friendly system



TMC Team

- User friendly system
- Happy customers
- Happy contractors





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