

DEPARTMENT *of* INFRASTRUCTURE, ENERGY *and* RESOURCES
TASMANIA
ROADWORKS SPECIFICATION
R101 – EMERGENCY MANAGEMENT
November 2010

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R101.1 SCOPE

This Specification sets out the requirements for maintenance works due to emergency situations and covers the provision of an active contactable, on call service 24 hours a day, 7 days per week.

R101.2 REFERENCES

This Specification shall be read in conjunction with the following Specifications:

G1 – General Provisions/MG1 Maintenance General Provisions

G2 - Contract Management Plan/MG2 Maintenance Contract Management Plan

G3 - Traffic Management

R100 – Ice and Snow Management

Emergency management shall also be compatible with DIER's Road and Bridge Emergency Management Plan.

R101.3 DEFINITIONS

R101.3.1 Emergency Zones

The State road network has been divided into four Zones for emergency response, with each zone reflecting the strategic importance of the routes. The response times applicable to each of the Zones is set out in *Table R101.1 Emergency Zones and Response Times*.

Table R101.1 Emergency Zones and Response Times

Emergency Zone	Response Time (Hr)
1	1.0
2	1.5
3	2.0
4	3.0

The relevant response times listed in *Table R101.1 Emergency Zones and Response Times* are the maximum length of time permitted from the time the Contractor is notified or becomes aware of the emergency event, for the contractor to mobilise, arrive on site and commence rectification works in that Emergency Zone.

Regional tables and maps identifying the State road network Emergency Zones are in Annexure R101A Emergency Zones and Applicable Response Times.

R101.3.2 Emergency Category Characteristics

In order to establish a broad relativity between the various emergency events that may occur, a four level category based system has been developed. Each category contains a range of typical events (see attached Annexure B for further details). The lists are to be used as an indicative guide only as it is not possible to identify every emergency event that may occur on the network and /or the resulting consequences.

A brief description of each category is provided for information below.

CATEGORY 1

The maintenance Contractor will generally address incidents in this grouping. Short-term road closures may be involved.

CATEGORY 2

This group is characterised by the need to minimise disruption and maintain safety on susceptible roads. In the event that a road closure is required Tasmania Police will be the coordinating authority for the management of the emergency event.

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CATEGORY 3

Emergency events in this grouping have the potential to cause major traffic disruption and will often require road closure. DIER's Emergency Response Team will manage road and bridge aspects. Tasmania Police will generally be the controlling authority for management of a Category 3 emergency event, except in a declared situation when the Region Disaster Controller assumes responsibility. Tasmania Fire Service has responsibility for the management of fire scenes.

CATEGORY 4

Emergency events in this grouping have the potential to cause major traffic disruption and will often require road closure. DIER's Emergency Response Team will manage road and bridge aspects. Tasmania Police will be the controlling authority for management of a Category 4 emergency event, except in a declared situation when the Region Disaster Controller assumes responsibility. Tasmania Fire Service has responsibility for the management of fire scenes.

R101.4 EMERGENCY RESPONSE

R101.4.1 General

The Contractor shall provide designated staff to act as duty officer/controller and others nominated as "on call" on a 24-hour basis, 7 days per week. The Contractor shall also provide, prior to Award of Contract, an Emergency Management Plan (EMP) in accordance with Standard Specification G2 - Contract Management Plan/MG2 Maintenance Contract Management Plan.

The Contractor shall respond to an emergency event in accordance with its EMP so as to enable its "on call" personnel to mobilise, arrive on site and commence rectification works in that Emergency Zone within the applicable response time set out in *Table R101.1 Emergency Zones and Response Times*.

The Contractor shall notify the Superintendent as soon as possible whenever a road closure is likely to extend beyond 4 hours so that the public, emergency services and other authorities can be notified by the Superintendent (See also clause R101.6).

R101.4.2 Hazardous Material

Where there is spillage of an unknown or hazardous substance and the Contractor is the first on the scene, it shall immediately notify the Tasmania Fire Service and undertake preventative measures to keep the public away from the site by diverting all road users, including cyclists and pedestrians.

In the event of a hazardous spillage where Tasmania Fire Service or Police are in attendance, no action shall be taken unless requested.

R101.5 NOTIFICATION OF WORK

The Contractor shall notify the Superintendent as soon as possible after reaching the site, but no longer than 1 hour, what actions have been undertaken and if rectification works are required or likely to be required.

Written notice shall be provided to the Superintendent within 24 hours for all emergency events. The advice shall contain as a minimum a description of the incident, length of the event and details of all rectification works.

R101.6 REQUIREMENTS

The emergency management work shall be in two parts as follows:

Attendance - Assess and report to the Superintendent and carry out minor repairs to make the site safe and /or carry out traffic management. The Contractor is responsible for undertaking the works necessary to allow the safe passage of traffic. The Contractor shall advise the Superintendent as soon as possible after reaching the site, but no longer than 1 hour, what actions have been undertaken and if rectification works are required or likely to be required. Where road closures are anticipated to be for long durations (longer than 4 hours), the Contractor will supply details of all rectification works to be undertaken.

Rectification works - Rectification work is the work required to return the road asset to the state it was in prior to the emergency. Rectification works will be undertaken only at the direction of the Superintendent. The Superintendent shall determine the extent and scope of the rectification works. The Superintendent may obtain a price from the Contractor or may arrange for the rectification work to be carried out by others.

The Contractor is authorised to undertake/commence the works necessary to make the site safe (eg. ice gritting, snow clearing, tree trimming, pavement clearing etc) for Category 1 and 2 emergency situations.

In Category 3 and 4 emergency situations the Contractor is authorised only to make the site safe (e.g. Traffic Management). Further rectification or other works shall be as directed by the Superintendent.

The Superintendent may direct that a temporary load limit sign be erected on the section of road which has been damaged or otherwise adversely affected by the emergency event and the duration for which the load limit shall apply.

Full rectification is to be arranged within specified response times or such other time frames as agreed to with the Superintendent.

R101.7 PERFORMANCE CRITERIA

The performance of the Contractor shall be measured according to the following criteria:

Responding within the required response times

The provision of adequate resources to deal with each event in a timely manner

R101.8 PAYMENT

R101.8.1 Maintenance in Construction Contracts

Payment for maintenance works due to emergency situations including the provision of an active contactable, on call service 24 hours a day, 7 days per week is deemed to be included in the Contract Sum.

Payment shall include the supply of all plant, labour and materials required.

Payment shall also include compaction of the area prior to repair, preparation of the area, the designs and removal and disposal of material.

R101.8.2 Network Maintenance Contracts

Payment shall be made in accordance with the appropriate payment schedule and shall include all labour, plant and materials required to reinstate or make the site safe and/or carry out traffic management.

ANNEXURE R101A EMERGENCY ZONES and APPLICABLE RESPONSE TIMES



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Reg	RoadNo	NAME	Start	Start Ch	End Ch	Cway	Emergency Zone (Hr)
NE	A0087	Midland	68	0	12.05	A	1.5
NE	A0087	Midland	74	0	11.8	A	1.5
NE	A0087	Midland	80	0	11.19	A	1.5
NE	A0087	Midland	85	0	10.55	A	1.5
NE	A0087	Midland	90	0	9.96	A	1
NE	A0087	Midland	90	9.96	10.06	B	1
NE	A0087	Midland	90	9.96	10.12	C	1
NE	A0087	Midland	96	0	10.66	B	1
NE	A0087	Midland	96	0	10.66	C	1
NE	A0113	Tasman	38	0	10.29	A	2
NE	A0113	Tasman	40	0	11.77	A	2
NE	A0113	Tasman	42	0	10.16	A	2
NE	A0113	Tasman	44	0	10.7	A	2
NE	A0113	Tasman	46	0	8.91	A	2
NE	A0113	Tasman	48	0	9.04	A	2
NE	A0113	Tasman	51	0	11.19	A	2
NE	A0113	Tasman	53	0	11.2	A	2
NE	A0113	Tasman	56	0	9.94	A	2
NE	A0113	Tasman	58	0	9.51	A	2
NE	A0113	Tasman	60	0	9.19	A	2
NE	A0113	Tasman	62	0	9.34	A	2
NE	A0113	Tasman	64	0	7.39	A	2
NE	A0113	Tasman	66	0	10.62	A	2
NE	A0113	Tasman	68	0	11.79	A	2
NE	A0113	Tasman	70	0	12.85	A	2
NE	A0113	Tasman	72	0	6.6	A	2
NE	A0113	Tasman	74	0	9.03	A	2
NE	A0113	Tasman	76	0	10.52	A	2
NE	A0113	Tasman	78	0	11.16	A	2
NE	A0113	Tasman	80	0	6.98	A	1.5
NE	A0113	Tasman	82	0	3.62	A	1.5
NE	A0113	Tasman	82	3.62	12.58	A	2
NE	A0113	Tasman	84	0	11.76	A	2
NE	A0113	Tasman	86	0	10.21	A	1.5
NE	A0113	Tasman	88	0	10.95	A	1.5
NE	A0113	Tasman	90	0	9.91	A	1.5
NE	A0113	Tasman	90	9.91	12.83	A	1
NE	A0113	Tasman	95	0	0.83	A	1
NE	A0249	Bass	3	0	4.99	B	1
NE	A0249	Bass	3	0	4.99	C	1
NE	A0249	Bass	6	0	3.05	B	1
NE	A0249	Bass	6	0	3.05	C	1
NE	A0249	Bass	6	3.05	6.13	A	1
NE	A0249	Bass	11	0	11.78	A	1
NE	A0249	Bass	16	0	5.16	A	1.5
NE	A0249	Bass	16	5.16	8.79	B	1.5
NE	A0249	Bass	16	5.16	8.79	C	1.5
NE	A0249	Bass	16	8.79	11.41	A	1.5

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Reg	RoadNo	NAME	Start	Start Ch	End Ch	Cway	Emergency Zone (Hr)
NE	A0249	Bass	16	11.41	13.53	B	1.5
NE	A0249	Bass	16	11.41	13.53	C	1.5
NE	A0249	Bass	16	13.53	13.68	A	1.5
NE	A0249	Bass	20	0	2.3	A	1.5
NE	A0249	Bass	21	0	5.83	A	1.5
NE	A0252	West Tamar	5	0	6.83	B	1
NE	A0252	West Tamar	5	0	6.67	C	1
NE	A0252	West Tamar	26	0	3.37	B	1.5
NE	A0252	West Tamar	26	0	3.37	C	1.5
NE	A0252	West Tamar	26	3.37	9.9	A	1.5
NE	A0252	West Tamar	41	0	6.94	A	1.5
NE	A0252	West Tamar	63	0	9.02	A	1.5
NE	A0252	West Tamar	63	9.02	11.01	A	2
NE	A0252	West Tamar	94	0	11.83	A	2
NE	A0265	East Tamar	15	0	8.39	C	1
NE	A0265	East Tamar	15	0	8.39	B	1
NE	A0265	East Tamar	15	8.39	8.91	A	1
NE	A0265	East Tamar	20	0	7.77	A	1
NE	A0265	East Tamar	30	0	8.05	A	1
NE	A0265	East Tamar	40	0	9.62	A	1
NE	A0265	East Tamar	50	0	9.84	A	1
NE	A0265	East Tamar	60	0	2.59	A	1
NE	A0278	Batman	5	0	11.22	A	2
NE	A1044	Frankford	5	0	8.06	A	1.5
NE	A1044	Frankford	21	0	4.26	A	1.5
NE	A1044	Frankford	21	4.26	9.42	A	2
NE	A1044	Frankford	39	0	11.88	A	2
NE	A1073	Lilydale	8	0	3.24	A	1
NE	A1073	Lilydale	8	3.24	6.73	A	1.5
NE	A1073	Lilydale	51	0	8.69	A	1.5
NE	A1073	Lilydale	94	0	5	A	1.5
NE	A1086	Ringarooma	5	0	7.5	A	2
NE	A1109	Evandale	5	0	6.82	A	2
NE	A1112	Blessington	5	0	7.41	A	2
NE	A1112	Blessington	25	0	6.24	A	2
NE	A1112	Blessington	43	0	8.33	A	2
NE	A1112	Blessington	65	0	10.27	A	2
NE	A1112	Blessington	94	0	9.55	A	2
NE	A1125	Esk	5	0	11.44	A	2
NE	A1125	Esk	21	0	8.97	A	2
NE	A1125	Esk	35	0	9.5	A	2
NE	A1125	Esk	47	0	8.31	A	2
NE	A1125	Esk	57	0	6.2	A	2
NE	A1125	Esk	67	0	8.01	A	2
NE	A1125	Esk	78	0	8.86	A	2
NE	A1125	Esk	94	0	11.4	A	2
NE	A1125	Esk	99	0	9.59	A	2
NE	A1400	Bridport	5	0	10.83	A	1.5
NE	A1400	Bridport	16	0	8.6	A	1.5

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Reg	RoadNo	NAME	Start	Start Ch	End Ch	Cway	Emergency Zone (Hr)
NE	A1400	Bridport	28	0	9.3	A	1.5
NE	A1400	Bridport	42	0	11.22	A	1.5
NE	A1400	Bridport	58	0	11.12	A	1.5
NE	A1400	Bridport	74	0	10.83	A	1.5
NE	A1400	Bridport	94	0	7.02	A	1.5
NE	A1442	Lake Leake	5	0	4.12	A	2
NE	A1442	Lake Leake	17	0	11.89	A	2
NE	A1442	Lake Leake	36	0	9.63	A	2
NE	A1442	Lake Leake	48	0	4.03	A	2
NE	A1442	Lake Leake	58	0	7.34	A	2
NE	A1442	Lake Leake	70	0	7.05	A	2
NE	A1442	Lake Leake	84	0	8.09	A	2
NE	A1442	Lake Leake	94	0	5.45	A	2
NE	A1442	Lake Leake	99	0	3.25	A	2
NE	A1468	Illawarra	5	0	5.5	A	1
NE	A1468	Illawarra	94	0	10.11	A	1
NE	A1507	Gladstone	5	0	7.74	A	2
NE	A1507	Gladstone	51	0	7.07	A	2
NE	A1507	Gladstone	94	0	10.11	A	2
NE	A1581	Bell Bay	5	0	2.23	A	1
NE	A1604	Poatina	5	0	5.8	A	2
NE	A1604	Poatina	12	0	7.41	A	2
NE	A1604	Poatina	25	0	11.52	A	2
NE	A1604	Poatina	40	0	11.17	A	2
NE	A1604	Poatina	54	0	10.31	A	2
NE	A1604	Poatina	67	0	3.05	A	2
NE	A1604	Poatina	67	3.05	10.03	A	1.5
NE	A1604	Poatina	92	0	9.82	A	1.5
NE	A1604	Poatina	94	0	7.61	A	1.5
NE	A1604	Poatina	94	7.61	10.63	A	1
NE	A1662	Youl	5	0	1.31	A	1
NE	A1701	Birralee	8	0	8.32	A	1.5
NE	A1701	Birralee	94	0	10.17	A	1.5
NE	A1730	Spring Hill	5	0	1.41	A	2
NE	A1743	Elephant Pass	5	0	11.04	A	2
NE	A1743	Elephant Pass	94	0	5.39	A	2
NE	A1811	Kings Meadows	5	0	1.3	A	1
NE	A2025	Meander Valley	4	0	3.36	A	1.5
NE	A2025	Meander Valley	7	0	6.83	A	1.5
NE	A2025	Meander Valley	24	0	9.8	A	1.5
NE	A2025	Meander Valley	46	0	0.27	A	1.5
NE	A2025	Meander Valley	48	0	3.08	A	1.5
NE	A2025	Meander Valley	55	0	3.72	A	1.5
NE	A2025	Meander Valley	80	0	4.46	A	1.5
NE	A2025	Meander Valley	90	0	8.35	A	1.5
NE	A2025	Meander Valley	95	0	0.7	A	1.5
NE	A2085	Leighlands	5	0	4.26	A	1.5
NE	A2100	Lake	58	0	10.11	A	2
NE	A2100	Lake	63	0	7.1	A	2

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NE	A2100	Lake	70	0	8.22	A	2
NE	A2100	Lake	77	0	6.18	A	2
NE	A2100	Lake	82	0	11.96	A	2
NE	A2100	Lake	85	0	7.52	A	2
NE	A2100	Lake	90	0	8.57	A	2
NE	A2100	Lake	93	0	6.67	A	2
NE	A2100	Lake	93	6.67	9.84	A	1.5
NE	A2100	Lake	99	0	0.08	A	1.5
NE	A2263	Pipers River	5	0	11.41	A	2
NE	A2263	Pipers River	51	0	8.8	A	2
NE	A2263	Pipers River	94	0	11.12	A	2
NE	A2564	Mt Barrow	7	0	3.51	A	2
NE	A2632	Coles Bay	5	0	8.42	A	2
NE	A2632	Coles Bay	51	0	12.04	A	2
NE	A2632	Coles Bay	94	0	5.53	A	2
NW	A0197	Lyell	56	0	9.41	A	2
NW	A0197	Lyell	60	0	11.87	A	2
NW	A0197	Lyell	62	0	8.5	A	2
NW	A0197	Lyell	65	0	8.84	A	2
NW	A0197	Lyell	68	0	10.83	A	2
NW	A0197	Lyell	71	0	10.55	A	2
NW	A0197	Lyell	75	0	8.27	A	2
NW	A0197	Lyell	77	0	9.44	A	1.5
NW	A0197	Lyell	79	0	8.03	A	1.5
NW	A0197	Lyell	81	0	4	A	1.5
NW	A0197	Lyell	81	4	10.7	A	2
NW	A0197	Lyell	84	0	10.98	A	2
NW	A0197	Lyell	88	0	12.56	A	2
NW	A0197	Lyell	94	0	6.07	A	2
NW	A0249	Bass	21	5.83	7.84	A	1.5
NW	A0249	Bass	22	0	7.94	A	1.5
NW	A0249	Bass	22	7.94	8.49	A	1.5
NW	A0249	Bass	22	7.94	8.49	A	1.5
NW	A0249	Bass	22	8.49	8.66	A	1.5
NW	A0249	Bass	25	0	7.6	A	1.5
NW	A0249	Bass	28	0	8.91	A	1.5
NW	A0249	Bass	32	0	10.6	A	1.5
NW	A0249	Bass	35	0	4.16	A	1
NW	A0249	Bass	35	4.16	4.73	B	1
NW	A0249	Bass	35	4.16	4.73	C	1
NW	A0249	Bass	35	4.73	7.98	A	1
NW	A0249	Bass	35	7.98	11.75	B	1
NW	A0249	Bass	35	7.98	11.78	C	1
NW	A0249	Bass	39	0	12.01	B	1
NW	A0249	Bass	39	0	12.01	C	1
NW	A0249	Bass	43	0	10.6	C	1
NW	A0249	Bass	43	0	10.6	B	1
NW	A0249	Bass	44	0	6.62	B	1
NW	A0249	Bass	44	0	6.62	C	1

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Reg	RoadNo	NAME	Start	Start Ch	End Ch	Cway	Emergency Zone (Hr)
NW	A0249	Bass	46	0	7.25	B	1
NW	A0249	Bass	46	0	7.25	C	1
NW	A0249	Bass	52	0	11.87	B	1
NW	A0249	Bass	52	0	11.87	C	1
NW	A0249	Bass	54	0	1.83	B	1
NW	A0249	Bass	54	0	1.83	C	1
NW	A0249	Bass	54	1.83	5.4	A	1
NW	A0249	Bass	56	0	8.89	A	1
NW	A0249	Bass	60	0	11.65	A	1.5
NW	A0249	Bass	64	0	11.53	A	1.5
NW	A0249	Bass	66	0	7.88	A	1.5
NW	A0249	Bass	71	0	9.85	A	1.5
NW	A0249	Bass	73	0	8.52	A	1.5
NW	A0249	Bass	76	0	11.19	A	1.5
NW	A0249	Bass	79	0	8.98	A	1.5
NW	A0249	Bass	82	0	4.55	A	1.5
NW	A0249	Bass	82	4.55	7.8	A	2
NW	A0249	Bass	85	0	8.94	A	2
NW	A0249	Bass	89	0	11.09	A	2
NW	A0249	Bass	92	0	11.79	A	2
NW	A0249	Bass	94	0	7.1	A	2
NW	A0359	Stanley	5	0	8.06	A	2
NW	A0472	Zeehan	5	0	12.75	A	1.5
NW	A0472	Zeehan	51	0	12.78	A	1.5
NW	A0472	Zeehan	94	0	2.76	A	1.5
NW	A0472	Zeehan	94	2.76	9.76	A	2
NW	A0485	Murchison	5	0	11.01	A	1.5
NW	A0485	Murchison	12	0	11.64	A	1.5
NW	A0485	Murchison	20	0	11.5	A	1.5
NW	A0485	Murchison	26	0	4.8	A	2
NW	A0485	Murchison	31	0	11.04	A	2
NW	A0485	Murchison	39	0	9.98	A	2
NW	A0485	Murchison	45	0	9.09	A	2
NW	A0485	Murchison	52	0	9.25	A	2
NW	A0485	Murchison	58	0	9.42	A	2
NW	A0485	Murchison	63	0	4.56	A	2
NW	A0485	Murchison	69	0	10.68	A	2
NW	A0485	Murchison	75	0	8.94	A	2
NW	A0485	Murchison	82	0	10.96	A	2
NW	A0485	Murchison	90	0	9.25	A	1.5
NW	A0485	Murchison	94	0	10.13	A	1.5
NW	A0500	Ridgley	5	0	4.29	A	1
NW	A0500	Ridgley	15	0	5.09	A	1
NW	A0500	Ridgley	25	0	4.1	A	1
NW	A0500	Ridgley	25	4.1	9.23	A	1.5
NW	A0500	Ridgley	35	0	8.62	A	1.5
NW	A0500	Ridgley	45	0	11.74	A	1.5
NW	A0500	Ridgley	55	0	6.85	A	1.5
NW	A0500	Ridgley	65	0	8.5	A	1.5

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ROADWORKS SPECIFICATION

R101 – EMERGENCY MANAGEMENT

November 2010

Reg	RoadNo	NAME	Start	Start Ch	End Ch	Cway	Emergency Zone (Hr)
NW	A1031	Sheffield	7	0	7.18	A	2
NW	A1031	Sheffield	18	0	6.19	A	2
NW	A1031	Sheffield	30	0	4.26	A	2
NW	A1031	Sheffield	30	4.26	8.82	A	1.5
NW	A1031	Sheffield	59	0	10.02	A	1.5
NW	A1031	Sheffield	94	0	9.14	A	1
NW	A1044	Frankford	57	0	10.29	A	2
NW	A1044	Frankford	74	0	10.55	A	2
NW	A1044	Frankford	94	0	10.28	A	1.5
NW	A1251	Railton	94	0	12.87	A	1.5
NW	A1329	Port Sorell	7	0	2.11	A	1
NW	A1329	Port Sorell	7	2.11	8.73	A	1.5
NW	A1329	Port Sorell	94	0	5.9	A	1.5
NW	A1358	Stony Rise	5	0	4.06	A	1
NW	A1374	Mole Creek	6	0	8.86	A	1.5
NW	A1374	Mole Creek	51	0	6.97	A	1.5
NW	A1374	Mole Creek	94	0	7.92	A	1.5
NW	A1374	Mole Creek	96	0	8.29	A	2
NW	A1374	Mole Creek	98	0	5.89	A	2
NW	A1374	Mole Creek	99	0	6.31	A	2
NW	A1497	Pine	6	0	1.42	A	1
NW	A1536	Mersey	5	0	9.85	A	1
NW	A1552	Forth	3	0	1.6	A	1.5
NW	A1617	Waratah	5	0	6.89	A	2
NW	A1617	Waratah	28	0	10.33	A	2
NW	A1617	Waratah	46	0	6	A	2
NW	A1617	Waratah	63	0	8.17	A	2
NW	A1617	Waratah	94	0	12.11	A	2
NW	A1633	Henty	8	0	7.59	A	2
NW	A1633	Henty	34	0	11.77	A	2
NW	A1633	Henty	54	0	7.01	A	2
NW	A1633	Henty	74	0	9.83	A	2
NW	A1633	Henty	94	0	7.27	A	2
NW	A1714	Anthony	5	0	11.63	A	2
NW	A1714	Anthony	23	0	9.65	A	2
NW	A1714	Anthony	48	0	9.99	A	2
NW	A1714	Anthony	94	0	7.24	A	2
NW	A2295	Preservation	5	0	7.02	A	1.5
NW	A2577	Cradle Mt	41	0	9.51	A	2
NW	A2577	Cradle Mt	63	0	10.18	A	2
NW	A2577	Cradle Mt	87	0	11.53	A	2
NW	A2577	Cradle Mt	94	0	0.62	A	2
NW	A2577	Cradle Mt	96	0	2.36	A	2
NW	A2603	Cethana	5	0	11.21	A	2
NW	A2616	Olivers	5	0	10.27	A	2
NW	A2616	Olivers	94	0	10.75	A	2
NW	A2645	Heemskirk	5	0	6.52	A	2
NW	A2645	Heemskirk	31	0	8.83	A	2
NW	A2645	Heemskirk	58	0	10.2	A	2

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NW	A2645	Heemskirk	94	0	9.74	A	2
NW	A2658	Reece Dam	5	0	4.48	A	2
NW	A2674	Cradle Mt	5	0	9.97	A	2
NW	A2674	Cradle Mt	56	0	9.17	A	2
NW	A2674	Cradle Mt	94	0	6.99	A	2
NW	A2810	Heemskirk	19	0	12.4	A	3
NW	A2810	Heemskirk	23	0	12.16	A	3
NW	A2810	Heemskirk	27	0	11.9	A	3
NW	A2810	Heemskirk	31	0	8.97	A	3
NW	A2810	Heemskirk	41	0	11.5	A	3
NW	A2810	Heemskirk	48	0	13.01	A	3
NW	A2810	Heemskirk	58	0	8.57	A	3
NW	A2810	Heemskirk	62	0	6.27	A	3
NW	A2823	Corinna	5	0	7.29	A	3
NW	A2823	Corinna	40	0	6.03	A	3
NW	A2823	Corinna	92	0	9	A	3
NW	A2849	Pardoe	5	0	1.44	A	1
S	A0029	East Derwent	5	0	1.64	B	1
S	A0029	East Derwent	5	0	1.64	C	1
S	A0029	East Derwent	5	1.64	2.04	A	1
S	A0029	East Derwent	5	2.04	2.67	B	1
S	A0029	East Derwent	5	2.04	2.67	C	1
S	A0029	East Derwent	5	2.67	4.17	A	1
S	A0029	East Derwent	5	4.17	6.39	B	1
S	A0029	East Derwent	5	4.17	6.39	C	1
S	A0029	East Derwent	29	0	8.14	A	1
S	A0029	East Derwent	94	0	7.6	A	1
S	A0087	Midland	13	0	1.09	A	1
S	A0087	Midland	13	1.09	1.39	B	1
S	A0087	Midland	13	1.09	1.39	C	1
S	A0087	Midland	13	1.39	2.19	A	1
S	A0087	Midland	13	2.19	2.6	B	1
S	A0087	Midland	13	2.19	2.64	C	1
S	A0087	Midland	13	2.64	8.95	A	1
S	A0087	Midland	15	0	9.05	A	1.5
S	A0087	Midland	20	0	9.91	A	1.5
S	A0087	Midland	24	0	6.97	A	1.5
S	A0087	Midland	26	0	4.99	A	1.5
S	A0087	Midland	31	0	10.05	A	1.5
S	A0087	Midland	37	0	11.49	A	1.5
S	A0087	Midland	43	0	12.96	A	1.5
S	A0087	Midland	49	0	10.51	A	1.5
S	A0087	Midland	55	0	10.48	A	1.5
S	A0087	Midland	57	0	5.58	A	1.5
S	A0087	Midland	62	0	10.11	A	1.5
S	A0090	Brooker	8	0	9.27	B	1
S	A0090	Brooker	8	0	9.27	C	1
S	A0090	Brooker	94	0	6.62	B	1
S	A0090	Brooker	94	0	6.62	C	1

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Reg	RoadNo	NAME	Start	Start Ch	End Ch	Cway	Emergency Zone (Hr)
S	A0090	Brooker	94	6.62	7.98	A	1
S	A0113	Tasman	4	0	1.54	B	1
S	A0113	Tasman	4	0	1.54	C	1
S	A0113	Tasman	6	0	1.35	A	1
S	A0113	Tasman	7	0	12.8	B	1
S	A0113	Tasman	7	0	12.8	C	1
S	A0113	Tasman	11	0	9.94	A	1
S	A0113	Tasman	12	0	1.85	A	1
S	A0113	Tasman	12	1.85	8.43	A	1.5
S	A0113	Tasman	15	0	9.63	A	1.5
S	A0113	Tasman	16	0	11.3	A	1.5
S	A0113	Tasman	18	0	10.54	A	1.5
S	A0113	Tasman	20	0	10.91	A	1.5
S	A0113	Tasman	23	0	8.81	A	2
S	A0113	Tasman	25	0	9.93	A	2
S	A0113	Tasman	27	0	10.15	A	2
S	A0113	Tasman	29	0	10.36	A	2
S	A0113	Tasman	31	0	8.44	A	2
S	A0113	Tasman	33	0	10.24	A	2
S	A0113	Tasman	36	0	9.13	A	2
S	A0126	Domain	5	0	1.51	A	1
S	A0142	Arthur	5	0	0.89	A	1
S	A0142	Arthur	5	0.89	7.27	A	1.5
S	A0142	Arthur	9	0	11.45	A	1.5
S	A0142	Arthur	26	0	3.47	A	1.5
S	A0142	Arthur	31	0	9.66	A	1.5
S	A0142	Arthur	44	0	8.5	A	2
S	A0142	Arthur	56	0	6.02	A	2
S	A0142	Arthur	68	0	4.54	A	2
S	A0142	Arthur	73	0	9.18	A	2
S	A0142	Arthur	94	0	9.02	A	2
S	A0155	Channel	3	0	8.02	A	1
S	A0155	Channel	9	0	7.45	A	1
S	A0155	Channel	18	0	10.4	A	1.5
S	A0155	Channel	29	0	7.17	A	1.5
S	A0155	Channel	37	0	10.39	A	2
S	A0155	Channel	49	0	11.35	A	2
S	A0155	Channel	61	0	7.71	A	2
S	A0155	Channel	69	0	9.08	A	2
S	A0155	Channel	69	9.08	10.88	A	1.5
S	A0155	Channel	82	0	8.77	A	1.5
S	A0155	Channel	94	0	8.75	A	1.5
S	A0168	Huon	6	0	9.77	A	1
S	A0168	Huon	6	9.77	10.04	B	1
S	A0168	Huon	6	9.77	10.04	C	1
S	A0168	Huon	17	0	3.45	B	1.5
S	A0168	Huon	17	0	3.45	C	1.5
S	A0168	Huon	17	3.45	9.51	A	1.5
S	A0168	Huon	26	0	6.9	A	1.5

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Reg	RoadNo	NAME	Start	Start Ch	End Ch	Cway	Emergency Zone (Hr)
S	A0168	Huon	34	0	8.04	A	1.5
S	A0168	Huon	34	8.04	10.57	A	2
S	A0168	Huon	46	0	11.15	A	2
S	A0168	Huon	58	0	9.54	A	2
S	A0168	Huon	68	0	10.06	A	2
S	A0168	Huon	78	0	9.41	A	2
S	A0168	Huon	94	0	11.23	A	2
S	A0171	Southern Outlet	5	0	9.08	B	1
S	A0171	Southern Outlet	5	0	9.08	C	1
S	A0171	Southern Outlet	5	9.08	9.53	A	1
S	A0197	Lyell	5	0	11.71	A	1
S	A0197	Lyell	8	0	4.86	A	1
S	A0197	Lyell	8	4.86	7.69	A	1.5
S	A0197	Lyell	12	0	11.32	A	1.5
S	A0197	Lyell	14	0	7.32	A	1.5
S	A0197	Lyell	16	0	6.58	A	2
S	A0197	Lyell	20	0	10.71	A	2
S	A0197	Lyell	23	0	7.28	A	2
S	A0197	Lyell	25	0	7.07	A	2
S	A0197	Lyell	28	0	8.84	A	2
S	A0197	Lyell	30	0	6.82	A	2
S	A0197	Lyell	33	0	7.3	A	2
S	A0197	Lyell	35	0	10.76	A	2
S	A0197	Lyell	38	0	11.5	A	2
S	A0197	Lyell	43	0	7.51	A	2
S	A0197	Lyell	46	0	7.37	A	2
S	A0197	Lyell	48	0	6.18	A	2
S	A0197	Lyell	51	0	9.25	A	2
S	A0197	Lyell	53	0	10.41	A	2
S	A0498	South Arm	5	0	3.94	C	1
S	A0498	South Arm	5	0	3.94	B	1
S	A1105	Glenstone	5	0	3.83	A	1
S	A1138	Tunnack	5	0	7.02	A	2
S	A1138	Tunnack	57	0	11.5	A	2
S	A1138	Tunnack	94	0	3.79	A	2
S	A1154	Colebrook	5	0	8.62	A	1
S	A1154	Colebrook	21	0	1.44	A	1
S	A1154	Colebrook	21	1.44	5.3	A	1.5
S	A1154	Colebrook	33	0	7.97	A	1.5
S	A1167	Rokeby	8	0	2.85	A	1.5
S	A1183	Glen Huon	5	0	7.37	A	1.5
S	A1183	Glen Huon	94	0	5.8	A	1.5
S	A1196	Lollara	5	0	3.64	A	1.5
S	A1206	Lymington	5	0	5.25	A	2
S	A1248	Nicholls Rivulet	5	0	6.3	A	1.5
S	A1248	Nicholls Rivulet	94	0	11.46	A	1.5
S	A1578	Algona	5	0	3.26	A	1
S	A1646	Ferry	5	0	0.84	A	1.5
S	A1675	Goodwood	5	0	0.34	A	1

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Reg	RoadNo	NAME	Start	Start Ch	End Ch	Cway	Emergency Zone (Hr)
S	A1675	Goodwood	5	0.34	2.74	B	1
S	A1675	Goodwood	5	0.34	2.74	C	1
S	A1691	Fingerpost	5	0	7.38	A	1.5
S	A1727	Gordon River	6	0	8.01	A	1.5
S	A1727	Gordon River	12	0	7.71	A	2
S	A1727	Gordon River	19	0	7.49	A	2
S	A1727	Gordon River	27	0	6.84	A	2
S	A1727	Gordon River	36	0	7.54	A	2
S	A1727	Gordon River	43	0	8.58	A	2
S	A1727	Gordon River	50	0	9.19	A	2
S	A1727	Gordon River	58	0	10.64	A	2
S	A1727	Gordon River	66	0	12.47	A	2
S	A1727	Gordon River	73	0	10.2	A	2
S	A1727	Gordon River	80	0	11.58	A	2
S	A1727	Gordon River	88	0	8.99	A	2
S	A1727	Gordon River	93	0	10.18	A	2
S	A1727	Gordon River	98	0	0.05	A	2
S	A1727	Gordon River	99	0	0.57	A	2
S	A2043	Nubeena	5	0	9.13	A	2
S	A2043	Nubeena	32	0	3.03	A	2
S	A2069	South Arm	5	0	10.7	A	1.5
S	A2069	South Arm	37	0	9.65	A	1.5
S	A2069	South Arm	94	0	3.72	A	1.5
S	A2072	Ranelagh	5	0	2.69	A	1.5
S	A2100	Lake	5	0	10.32	A	1.5
S	A2100	Lake	12	0	9.94	A	1.5
S	A2100	Lake	18	0	1.35	A	1.5
S	A2100	Lake	18	1.35	9.29	A	2
S	A2100	Lake	22	0	6.31	A	2
S	A2100	Lake	30	0	11.97	A	2
S	A2100	Lake	35	0	8.29	A	2
S	A2100	Lake	42	0	10.31	A	2
S	A2100	Lake	49	0	9.42	A	2
S	A2100	Lake	53	0	6.19	A	2
S	A2179	Scotts	5	0	4.07	A	2
S	A2182	Grass Tree Hill	5	0	6.87	A	1.5
S	A2182	Grass Tree Hill	94	0	6.04	A	1.5
S	A2218	Boyer	5	0	10.68	A	1.5
S	A2218	Boyer	94	0	6.91	A	1.5
S	A2289	Tea Tree	5	0	8.23	A	1.5
S	A2289	Tea Tree	94	0	8.7	A	1.5
S	A2290	Mud Walls	36	0	10.88	A	2
S	A2290	Mud Walls	40	0	7.68	A	2
S	A2290	Mud Walls	44	0	7.67	A	2
S	A2290	Mud Walls	50	0	12.18	A	2
S	A2300	Flagstaff Gully	5	0	1.64	A	1
S	A2443	Marlborough	5	0	5.89	A	2
S	A2443	Marlborough	19	0	8.03	A	2
S	A2443	Marlborough	44	0	9.96	A	2

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S	A2443	Marlborough	93	0	7.47	A	2
S	A2522	Hastings Caves	5	0	4.1	A	2
S	A2522	Hastings Caves	94	0	7.93	A	2
S	A2535	Lake Dobson	5	0	7.22	A	2
S	A2535	Lake Dobson	94	0	8.38	A	2
S	A2580	Lake St Clair	5	0	5.02	A	2
S	A2894	Freestone Point	5	0	5.26	A	2

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ANNEXURE R101B EMERGENCY CATEGORIES 1 TO 4

CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4
<p>Natural: Fallen trees Minor flooding Fog Minor rock falls / landslips</p> <p>Incident: Oil spills Smoke Stock on road Debris on road Minor pavement failures Vehicle accident</p>	<p>Natural: Frost Ice Snow High wind Flash flooding</p> <p>Incident: Vehicle accident</p>	<p>Natural: Major flooding Major rock falls / landslips Fire Earthquake</p> <p>Incident: Structural failure Utility failure Terrorism threat Political Activism</p>	<p>Incident: Bridge collapse Explosion Aircraft crash Dam failure Act of terrorism Calamitous heavy vehicle accident Political Activism</p>

Note 1 **Priorities for clearing of roads – Ice and Snow Refer to Standard Specification R 100 Frost, Ice & Snow Management**

Note 2 **Vulnerable and critical elements of the road network**
Flooding

Esk Main Road, Ormley to St Marys
Tasman Highway, Bicheno to Elephant
Pass Main Road, Goshen Flats and
Targa.
Launceston area, including West Tamar
Hwy (Link 05), East Tamar Hwy
(Coulsons Ck), Leighlands Secondary
Road (South Esk River), Poatina Main
Road (at Longford) and Youl Main

Flooding

Bridport Main Road – Link 16
Lake Leake Main Road – near Long Marsh
road
Meander Valley Secondary Road Link 24
(Gorrings Flats)
Mount Barrow Tourist Road
Pipers River Secondary Road – Link 05
Ringarooma Main Road

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Road.	West Tamar Hwy – Link 63
Lyell Highway – Granton to Hayes	Forth Main Road
Tasman Hwy – Triabunna to Little Swanport	Frankford Main Road
Brooker Hwy – Newtown Rivulet and Brooker Highway Rail Overpass (B2541)	Mole Creek Main Road – Link 51 to Link 94
Lake Secondary Road, Calstock area	Railton Main Road, Sheffield Main Road (Link 59), Stony Rise Main Road and Mersey Main Road
Channel Highway – Huonville (Link 94 – Ch 7.72 to 8.37)	Henty Main Road – Link 08 (Ch 0.31 to 1.51)
Huon Highway	Anthony Main Road – Link 23 (Ch 1.99 to 2.00)
Birralee Main Road	
Zeehan Hwy – Link 05 and Link 94	
Murchison Hwy – Link 05 and Link 12	

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**Roads Prone to Storm Damage,
including Fallen Trees**

Elephant Pass Main Road
Esk Main Road – St Marys Pass
Mt Barrow Tourist Road
Tasman Highway – Link 40, Link 68,
Link 70 and Link 84
Lake Secondary Road – North of
Doctors Creek Bridge
Anthony Main Road
Bass Hwy – West of Smithton
Cethana Tourist Road, Olivers Tourist
Road, Cradle Mountain Tourist Road
(Link 41) and Mole Creek Main Road
West of Mole Creek Township

Sink Holes

Olivers Tourist Road – Link 05
Mole Creek Main Road – West of Mole
Creek
Railton Main Road
Cradle Mountain Developmental Road –
Link 56 / Ch 56 to Link 94 / Ch 0.73

**Roads Prone to Storm Damage,
including Fallen Trees**

Waratah Main Road, Heemskirk
Developmental Road (Link 31 to Link 62)
and Corinna Developmental Road (Link
94)
Sheffield Main Road - Link 07 to Link 18
and Link 94
Ridgley Main Road – Link 51
Murchison Hwy – Link 20 and Link 31 to
Link 82
Henty Main Road – Link 34
Cradle Mountain Developmental Road
Heemskirk Tourist Road – Link 31
Frankford Main Road – Link 57 to Link 74

Bridges

Tasman Bridge
Bridgewater Bridge
Batman Bridge
Dunalley Bridge
**Derwent River Bridge, Macquarie
Plains**

**Roads Prone to Storm Damage,
including Fallen Trees**

Channel Highway – Link 49 to Link 69
Gordon River Main Road – West of
National Park
Huon Highway – South of Geeveston
Lake Dobson Tourist Road
Lyell Highway – Strickland Road to
Derwent Bridge
Nicholls Rivulet Main Road