

McGee, R. (1992). Extract from Hazard analysis of Tasman Bridge (pp. 62-66). Hobart.

**Commonwealth of Australia**

**Copyright Act 1968**

**Notice for paragraph 135ZXA (a) of the *Copyright Act 1968***

**Warning**

This material has been reproduced and communicated to you by or on behalf of Charles Sturt University under Part VB of the *Copyright Act 1968* (the *Act*).

The material in this communication may be subject to copyright under the Act. Any further reproduction or communication of this material by you may be the subject of copyright protection under the Act.

Do not remove this notice.

## 6.0 INTERACTION CONSEQUENCES

### 6.1 GENERAL

All identified hazards are considered in terms of their potential to impact upon the greater Hobart community.

### 6.2 HAZARD INTERACTION MATRICES

#### 6.2.1 SHIP COLLISION

AREA	Greater Hobart and beyond
PEOPLE	Ship's crew, motorists, emergency services, greater Hobart residents, wider community, Marine Board, DRT and DOC staff, students, media
PROPERTY	Bridge, ship, services on bridge, vehicles on bridge
FACILITIES & SERVICES	Transport, water, telephone, EZ Risdon, navigation, petroleum, tourism, government, commerce, health, emergency services, insurance
POTENTIAL PROBLEMS	Pollution, viability of EZ Risdon, implications of changed transport modes, financial implications for government, information, spectators, ability to assess damage, traffic congestion

#### 6.2.2 STRUCTURAL FAILURE

<i>Major</i> AREA	Greater Hobart and beyond
PEOPLE	Motorists, emergency services, greater Hobart residents, wider community, Marine Board, DRT and DOC staff, students, media
PROPERTY	Bridge, services on bridge, vehicles on bridge
FACILITIES & SERVICES	Transport, water, telephone, EZ Risdon, navigation, petroleum, tourism, government, commerce, health, emergency services, insurance
POTENTIAL PROBLEMS	Viability of EZ Risdon, implications of changed transport modes, financial implications for government, information, spectators, ability to assess damage, traffic congestion
<i>Minor</i> AREA	Bridge and approaches
PEOPLE	Motorists, DRT and DOC staff
PROPERTY	Bridge
FACILITIES & SERVICES	Transport, emergency services
POTENTIAL PROBLEMS	Traffic congestion

### 6.2.3 OVERDIMENSION VEHICLES

AREA	Greater Hobart
PEOPLE	Vehicle driver, motorists, emergency services, DRT and DOC staff, transport inspectors
PROPERTY	Bridge, vehicles
FACILITIES & SERVICES	Transport, traffic control on bridge, emergency services, insurance
POTENTIAL PROBLEMS	Structural collapse, other accidents

### 6.2.4 EARTHQUAKE

AREA	Greater Hobart and beyond
PEOPLE	Tasmanian population and beyond
PROPERTY	Widespread damage, including bridge
FACILITIES & SERVICES	All facilities and services
POTENTIAL PROBLEMS	Prioritising recovery works, health

### 6.2.5 TERRORISM, SABOTAGE

AREA	Greater Hobart
PEOPLE	People on bridge, greater Hobart residents, DRT and DOC staff, emergency services, military, media
PROPERTY	Bridge, vehicles on bridge, vessels transiting bridge
FACILITIES & SERVICES	Transport, commerce, navigation, EZ Risdon, petroleum, water, telephone, government, health, emergency services
POTENTIAL PROBLEMS	Unexploded devices, undetected damage

### 6.2.6 AIRCRAFT CRASH

AREA	Greater Hobart
PEOPLE	Aircrew and passengers, motorists, greater Hobart residents, DRT and DOC staff, students, media, Civil Aviation Authority, media
PROPERTY	Aircraft, bridge, services on bridge, vehicles on bridge
FACILITIES & SERVICES	Transport, water, telephone, EZ Risdon, navigation, petroleum, emergency services, government, commerce, health, insurance
POTENTIAL PROBLEMS	Pollution, fire, spectators

### 6.2.7 LAKE ILLAWARRA MOVEMENT

AREA	Greater Hobart and beyond
PEOPLE	Motorists, greater Hobart residents, wider community, Marine Board, DRT and DOC staff, students, media, diving contractors
PROPERTY	Bridge, ship
FACILITIES & SERVICES	Transport, water, telephone, tourism, government, commerce, health, emergency services
POTENTIAL PROBLEMS	Information, ability to assess damage

### 6.2.8 RIVER EFFECTS

River effects will have no impact on the area being considered in this study, although there will be significant implications for low lying suburbs.

### 6.2.9 SNOW, ICE, HAIL, FOG

AREA	Greater Hobart
PEOPLE	Motorists, DRT and DOC staff, emergency services
PROPERTY	Vehicles involved in accidents
FACILITIES & SERVICES	Transport
POTENTIAL PROBLEMS	Vehicle accidents, access for emergency services and maintenance staff

### 6.2.10 WIND

AREA	Greater Hobart
PEOPLE	Motorists, emergency services, DRT and DOC staff
PROPERTY	Vehicles involved in accidents
FACILITIES & SERVICES	Transport
POTENTIAL PROBLEMS	Vehicle accidents

### 6.2.11 VEHICLE ACCIDENT AND BREAKDOWN

AREA	Greater Hobart
PEOPLE	Motorists, emergency services, DRT and DOC staff, media
PROPERTY	Vehicles involved in accidents, bridge
FACILITIES & SERVICES	Transport, emergency services, bridge traffic control
POTENTIAL PROBLEMS	Access for emergency vehicles in traffic congestion

#### 6.2.12 SUICIDE

AREA	Bridge and approaches
PEOPLE	Person attempting suicide, emergency services, motorists
PROPERTY	No effect, except if vehicle accident results
FACILITIES & SERVICES	Transport, emergency services
POTENTIAL PROBLEMS	Vehicle accidents, traffic congestion, irresponsible reporting leading to further attempts

#### 6.2.13 INDUSTRIAL DISPUTE

AREA	Greater Hobart
PEOPLE	Motorists, unions, DRT and DOC staff, media
PROPERTY	No effect
FACILITIES & SERVICES	Transport, commerce, emergency services
POTENTIAL PROBLEMS	Vehicle accidents, traffic congestion

#### 6.2.14 LANE TRAFFIC SIGNAL FAILURE

AREA	Bridge and approaches
PEOPLE	Motorists
PROPERTY	Traffic signals
FACILITIES & SERVICES	Traffic signals
POTENTIAL PROBLEMS	Vehicle accidents, traffic congestion

#### 6.2.15 LANDSLIP

The likelihood of damage to the Tasman Bridge from landslip is low, and there will thus be no effect.

#### 6.2.16 FAILURE OF SERVICES

AREA	Eastern shore
PEOPLE	Eastern shore residents, service authorities
PROPERTY	Services
FACILITIES & SERVICES	Water, telephone
POTENTIAL PROBLEMS	Minimal problems due to redundancy

### 6.2.17 MAINTENANCE CLOSURES

<i>Major</i> AREA	Greater Hobart
PEOPLE	Motorists, emergency services, wider community, DRT and DOC staff, media
PROPERTY	Bridge
FACILITIES & SERVICES	Transport, emergency services
POTENTIAL PROBLEMS	Traffic congestion
<i>Minor</i> AREA	Bridge and approaches
PEOPLE	Motorists, DRT and DOC staff
PROPERTY	Bridge
FACILITIES & SERVICES	Transport, emergency services
POTENTIAL PROBLEMS	Traffic congestion

### 6.2.18 FIRE

AREA	Greater Hobart and beyond
PEOPLE	Motorists, emergency services, DRT and DOC staff, greater Hobart residents, Marine Board, media
PROPERTY	Vehicles, bridge
FACILITIES & SERVICES	Transport, commerce, EZ Risdon, petroleum, navigation, government, health, insurance
POTENTIAL PROBLEMS	Access to and control of fire, pollution, assessment of damage

### 6.2.19 CHEMICAL SPILL

AREA	Greater Hobart and beyond
PEOPLE	Motorists, emergency services, DRT and DOC staff, greater Hobart residents, Marine Board, media
PROPERTY	Vehicles, bridge
FACILITIES & SERVICES	Transport, commerce, EZ Risdon, petroleum, navigation, government, health, insurance
POTENTIAL PROBLEMS	Access to and control of spill, pollution, assessment of damage