

TRAFFIC MANAGEMENT PLAN

Version 1.0 of 15 November 2021

Prepared By: **Pedr Danks**
Managing Director

SafeWork NSW Certified Planner No: **PWZTMP TCT0057732**

Traffic Plan Professionals Pty Ltd

4/11 Billbrooke Cl, Cameron Park NSW 2285

Phone: 1300 544 843

Form 1.TMP.1.8-2020.TPP.PD

Icehouse Great Southern Land 2022

20th March 2022

Keirle Park, Pittwater Road, Manly



CONTENT

1	DOCUMENT AUTHOR	4
2	DOCUMENT HISTORY	4
3	DISTRIBUTION	4
4	DISCLAIMER	4
5	CONFIDENTIALITY STATEMENT	5
6	TERMS AND DEFINITIONS	5
7	EXECUTIVE SUMMARY	5
8	SCOPE	6
9	OBJECTIVES	6
10	MANAGEMENT OF THE TMP	7
11	IMPLEMENTATION	7
12	PLANNING STRATEGIES	7
13	EVENT DETAILS	8
14	LOCATION MAP	8
15	TRAFFIC MANAGEMENT	8
15.1	Traffic Control Plans	9
15.2	Production Entry and Egress	9
15.3	Vehicle Emergency Access	10
15.4	Public Transport	11
15.5	Public Parking	11
15.6	Taxi Zone(s)	11
15.7	PUDO Zone(s)	11
15.8	Accessible Parking	11
15.9	Target Hardening	11
15.10	Regulatory Signage	11
15.11	Speed Zones	11
15.12	Variable Message Signs	12
15.12.1	VMS Schedule:	12
15.13	Public Notifications	14
16	RISK MANAGEMENT	15
16.1	Risk Management Process	15



TRAFFIC MANAGEMENT PLAN

Great Southern Land 2022


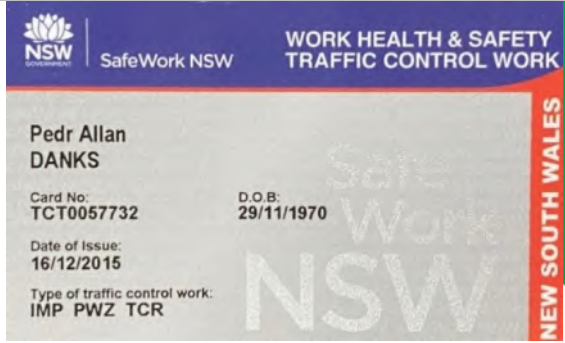
Traffic Plan Professionals V1.0 of 15 November 2021

Page 3 of 22

16.2	Risk Tolerance	15
16.3	Risk Assessment Tool	16
16.4	Risk Score Evaluation	16
16.5	Risk Treatments	17
16.6	Risk Assessment Plan (Risk Register)	18
17	CONSULTATION & CONTACT LIST	22
18	APPENDIX	22



1 DOCUMENT AUTHOR

Prepared By	Pedr Danks, Managing Director. Traffic Plan Professionals Pty Ltd
Signature	 
Date	15 November 2021

2 DOCUMENT HISTORY

Reviewed By	Version	Date	Comments

3 DISTRIBUTION

This document and the information are solely for the use of the authorised recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that for which it was supplied by Traffic Plan Professionals Pty Ltd.

4 DISCLAIMER

This document has been prepared based on the information supplied by the client and research undertaken by Traffic Plan Professionals Pty Ltd and/or other consultants.

Recommendations are based on Traffic Plan Professionals Pty Ltd judgement and whilst every effort has been taken to provide accurate advice, Council and any other regulatory authorities may not concur with the recommendations expressed within this document.

Traffic Plan Professionals Pty Ltd makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.



5 CONFIDENTIALITY STATEMENT

All information, concepts, ideas, strategies, commercial data and all other information whatsoever contained within this document as well as any and all ideas and concepts described during the presentation are provided on a commercial in confidence basis and remain the intellectual property and copyright (©) of Traffic Plan Professionals Pty Ltd and affiliated entities.

6 TERMS AND DEFINITIONS

Terms	Definitions
RMS	Roads & Maritime Services
PAX	Persons Amount X
ADT	Average Daily Traffic
AS/NZS	Australian Standards/New Zealand Standards
PAC	Police Area Command
LGA	Local Government Area
PWZTMP	Prepare Work Zone Traffic Management Plan
VMS	Variable Message Sign
TGP	Traffic Guidance Plan
TMP	Traffic Management Plan
HVA	Hostile Vehicle Attack
HVMP	Hostile Vehicle Mitigation Plan
THD	Target Hardening Device

7 EXECUTIVE SUMMARY

Australia's unofficial anthem 'Great Southern Land' is turning 40 in 2022, and Icehouse are heading around the country to celebrate.

First released in August 1982 – as the lead single from Icehouse's multi-platinum, second album *Primitive Man* – the track peaked at #5 on the Australian Singles Charts before going on to mark its place in Australian music history.

After nearly 30 years of sound tracking Australian summers, 'Great Southern Land' re-entered the Australian Singles Chart in 2011, before being added to the Australian National Film & Sound Archive's Sounds of Australia list in 2014.

We'd need a lot more time and space to summarise the mammoth 40-year legacy of this song.

It is only fitting that the song that has sound tracked everything from national sporting moments to discussions about Mabo would be celebrated with a huge national series of shows featuring some of Australia's favourite love acts from across the single's 40-year history.



Joining Icehouse at different shows across the tour are special guests including Missy Higgins, James Reyne, Kasey Chambers, Eskimo Joe, Something for Kate, Jebediah, Baby Animals, William Barton, Vanessa Amorosi, Christine Anu, Busby Marou, and Emily Wurramurra.

8 SCOPE

This plan addresses traffic management for the proposed works only and the document has been prepared following consultation and assessments from the respective stakeholders listed in this document.

The document includes the provision for the safe movement of vehicular and pedestrian traffic, the protection of workers from passing traffic, the design, installation and removal of any necessary temporary detours, the provision of traffic controllers, the installation of temporary advance warning signs and safety barriers.

Where possible road closures have been minimised to maintain regular traffic flow.

Various traffic control devices/measures have been used whilst creating the relevant Traffic Guidance Schemes.

This document should be read in conjunction with the following:

#	Document	Version
1	RMS Guide to Transport & Management for Special Events	3.5
2	TfNSW Traffic Control at Worksites Manual	6.0
3	AS/NZS	2890.6-2009.
4	Local Government Act 1993	No 30
5	Roads Act 1993	No 33
6	Australian Standard	1742
7	The Use of Variable Message Sign (VMS) RMS Policy	10.408
8	Risk Management - Guidelines	ISO31000:2018
9	Safework Australia – Traffic Management: Guide for events	April 2021
10	Safework Information Sheet – Traffic Management	April 2021

9 OBJECTIVES

The core objectives with respect to the Traffic Management Plan are to:

1. Ensure the safety of its employees, contractors, the public, RMS personnel, pedestrians, cyclists and traffic,
2. Keep traffic delays to a minimum,



3. Maintain satisfactory property access,
4. Minimise disruption to businesses,
5. For works near speed cameras, traffic lights & traffic counters etc:
 - a) Inform the RMS Representative and
 - b) Not damage the equipment,
 - c) Make suitable arrangements where required.
 - d) When required, obtain approvals and licenses such as Road Occupancy, Direction to Restrict (DTR for Speed Limit Sign Authorisation) and Traffic Signals,
6. Minimise disturbance to the environment,
7. Design temporary roadways and detours in accordance with RMS Road Design Guide and
8. Meet the requirements of TfNSW Traffic Control at Worksites Manual.

10 MANAGEMENT OF THE TMP

Traffic Plan Professionals Pty Ltd has undertaken that it will provide the Traffic Control Plans for this event.

It is required by Council/RMS and/or consenting authorities that all traffic control works to be carried out by SafeWork NSW certified and accredited personnel.

11 IMPLEMENTATION

Traffic Management for work and/or events sites will be in accordance with the TfNSW Traffic Control at Work Sites Manual as modified to site conditions.

The implementation of these plans is the responsibility of Central Coast Council and shall be carried out by RMS certified and accredited personnel.

12 PLANNING STRATEGIES

Following preparation of the final draft plans, assessment and approvals is required by the following:

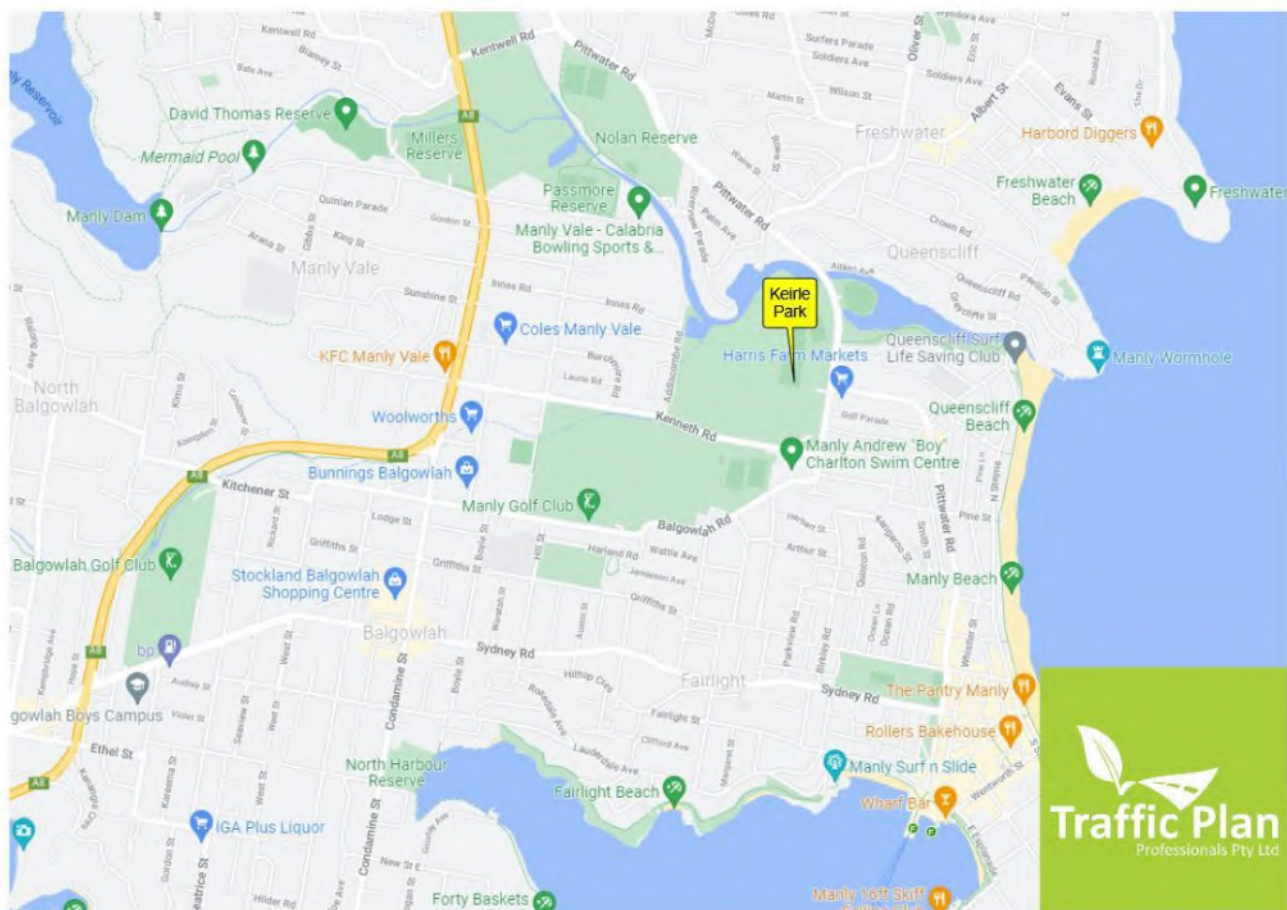
Agency	Area
NSW Police	Manly PAC
Council	Northern Beaches Council
Roads & Maritime Services	Roads Authority



13 EVENT DETAILS

Event Name	Icehouse – Great Southern Land
Event Date(s)	20 th March 2022
Event Time(s)	12:00 - 21:00hrs
Bump In/Out Date(s) & Time(s)	17 th – 19 th March 2022 07:00 – 19:00hrs 20 th March 2022 06:00 – 11:00hrs & immediately after event 21 st & 22 nd March 2022 07:00 – 19:00hrs
Venue(s)	Keirle Park, 277 Pittwater Road, Manly
Venue Type	Green Space
Pax	8,000
Demographic	All Ages Event Minors must be supervised by a Legal Guardian

14 LOCATION MAP



15 TRAFFIC MANAGEMENT

During the event traffic safety will be managed by the implementation of specifically tailored TGS's that have been designed to meet with event specific operations. This plan has been prepared to safely manage traffic with minimal impact on non-event stakeholders as recommended in the RMS Guide to Traffic and Transport Management for Special Events.

In the risk management context, the RMS Guide to Traffic and Transport Management for Special Events reads that a TGS be a Risk Management Plan for traffic, however a TGS shall not be an acceptable form of risk management and the event organiser should seek a separate risk review.

At its core the prepared TGS's implement various short-term road closures to safety manage vehicular and pedestrian flow within the precinct.

15.1 TRAFFIC CONTROL PLANS

A Complete set of traffic guidance schemes are attached to this TMP and have been custom developed based on previous years events and feedback received from various stakeholders.

We have implemented various control measures to assist with maintaining flow throughout the immediate area.

15.2 PRODUCTION ENTRY AND EGRESS

The primary entry and exit are outlined below;

- 1) Entry/Exit: Utilising existing entry/exit point off Pittwater Road through carpark area.

 what3words ///wiping.twigs.define

During busy periods delivery vehicles will be directed to proceed to roundabout and then come around and turn left into the stie to minimise any delays.



15.3 VEHICLE EMERGENCY ACCESS

In the case of an emergency, vehicle access entry/exit points shall be in the following locations.

- 1) Primary Vehicle Access: Utilising existing entry/exit point off Pittwater Road through carpark area.

///what3words ///wiping.twigs.define

- 2) Secondary Vehicle Access: off Balgowlah Rd, Manly – access through carpark 275 Pittwater Rd, Manly. ///what3words ///craft.shin.walks



T

Professionals Pty Ltd

15.4 PUBLIC TRANSPORT

Public Transport will operate as normal with access to various services such as Bus network & Ferry Service. The Bus Route(s) may be affected during peak times due to the additional patronage using the services, as part of this TMP we will advise the TfNSW of the respective event dates/times.

15.5 PUBLIC PARKING

Public Parking shall be in located local streets and we will promote public transport as the preferred transport option.

15.6 TAXI ZONE(S)

As part of the event operations, we will install a PUDO location for use of patrons. Taxi & Uber will be permitted to drop off & collect from this location; we are proposing the use of the No Parking area opposite the event entry. We will advise Uber of the nominated location and request a Geo Lock.

/// what3words ///apply.backs.cars

15.7 PUDO ZONE(S)

An event specific Pick up & drop off zone will be implemented on Pittwater Road in the No Parking area opposite the event entry.

/// what3words ///apply.backs.cars

15.8 ACCESSIBLE PARKING

Accessible Parking will be available for Mobility Pass holders within the North Beach Car Park managed access area, on arrival the Mobility Permit will be checked and if valid the vehicle will be permitted access to park in the mobility bays on the left of the carpark.

/// what3words ///wiping.twigs.define

15.9 TARGET HARDENING

Self-Protect measures will be utilised.

15.10 REGULATORY SIGNAGE

No changes required.

15.11 SPEED ZONES

Not required as part of the TMP.



15.12 VARIABLE MESSAGE SIGNS

4 x VMS board shall be installed to provided advance warning of the special event and the change traffic conditions.

The below Table 1 reviews the Message Change Request and TGS0654 & TGS0657 provide the VMS locations and details.

15.12.1 VMS Schedule:

VMS 1	ACTIVATION	LOCATION	FRAME 1	FRAME 2	FRAME 3
Message 1	15/03 – 16/03/21 07:00 – 19:00	Pittwater Road Manly	SPECIAL EVENT SUNDAY	KEIRLE PK CARPARK CLOSED	19 – 22 nd MARCH
Message 2	17/03 – 19/03/21 06:00 – 19:00	Just after the bridge Facing Southbound Traffic.	SPECIAL EVENT SUNDAY	KEIRLE PK CARPARK CLOSED	TRUCKS TURNING AHEAD
Message 3	20/03/21 06:00 – 10:59		SPECIAL EVENT TODAY	KEIRLE PK CARPARK CLOSED	
Message 4	11:00 – 19:59		DROP OFF ZONE AHEAD ← ←	THROUGH TRAFFIC	USE RIGHT LANE
Message 5	20:00 – 22:00		PICK UP ZONE AHEAD ← ←	THROUGH TRAFFIC	USE RIGHT LANE
Message 6	21/03 – 22/03/21 07:00 – 19:00		KEIRLE PK CARPARK CLOSED	TRUCKS TURNING AHEAD	
DEACTIVATE		23/03/21 19:00hrs or when carpark closure no longer required.			



TRAFFIC MANAGEMENT PLAN

Great Southern Land 2022

Traffic Plan Professionals V1.0 of 15 November 2021

Page 13 of 22

VMS 2	ACTIVATION	LOCATION	FRAME 1	FRAME 2	FRAME 3
Message 1	15/03 – 16/03/21 07:00 – 19:00	Pittwater Road Manly	SPECIAL EVENT SUNDAY	KEIRLE PK CARPARK CLOSED	19 – 22 nd MARCH
Message 2	17/03 – 19/03/21 06:00 – 19:00	Just after roundabout Pittwater Rd Facing Northbound Traffic.	SPECIAL EVENT SUNDAY	KEIRLE PK CARPARK CLOSED	TRUCKS TURNING AHEAD
Message 3	20/03/21 06:00 – 10:59		SPECIAL EVENT TODAY	KEIRLE PK CARPARK CLOSED	
Message 4	11:00 – 19:59		SPECIAL EVENT TODAY	REDUCE SPEED	INCREASED PED ACTIVITY
Message 5	20:00 – 22:00		HIGH PEDESTRIAN ACTIVITY	REDUCE SPEED	
Message 6	21/03 – 22/03/21 07:00 – 19:00		KEIRLE PK CARPARK CLOSED	TRUCKS TURNING AHEAD	
DEACTIVATE		22/03/21 or when carpark closure no longer required.			

VMS 3	ACTIVATION	LOCATION	FRAME 1	FRAME 2	FRAME 3
Message 1	15/03 – 16/03/21 07:00 – 19:00	Pittwater Road Manly	SPECIAL EVENT SUNDAY	KEIRLE PK CARPARK CLOSED	19 – 22 nd MARCH
Message 2	17/03 – 19/03/21 06:00 – 19:00	Just at entry to Keirle Park.	CAR PARK CLOSED	EVENT SETUP	



TRAFFIC MANAGEMENT PLAN

Great Southern Land 2022

Traffic Plan Professionals V1.0 of 15 November 2021

Page 14 of 22

				IN PROGRESS	
Message 2	20/03/21 06:00 – 10:59		CAR PARK CLOSED	SPECIAL EVENT TODAY	EXPECT SOME DELAYS
Message 3	11:00 – 20:29		CAR PARK CLOSED	SPECIAL EVENT TODAY	AUTHORISED VEHICLES ONLY
Message 4	20:30 – 22:00 SPIN VMS		TAXI/UBER & PICKUPS →→	CROSS AT LIGHTS	
Message 5	21/03 – 22/03/21		CAR PARK CLOSED	EVENT PACK UP IN PROGRESS	
DEACTIVATE		22/03/21 19:00hrs or when carpark closure no longer required.			

VMS 4	ACTIVATION	LOCATION	FRAME 1	FRAME 2	FRAME 3
Message 1	20/03/21 06:00 – 10:59	Pittwater Road Manly	SPECIAL EVENT TODAY	EXPECT SOME DELAYS	
Message 2	11:00 – 19:59	Just prior to Aitken Ave Facing Southbound Traffic.	DROP OFF ZONE AHEAD ←	THROUGH TRAFFIC	USE RIGHT LANE
Message 3	20:00 – 22:00		PICK UP ZONE AHEAD ←	THROUGH TRAFFIC	USE RIGHT LANE
DEACTIVATE		20/03/21 22:01hrs			

15.13 PUBLIC NOTIFICATIONS

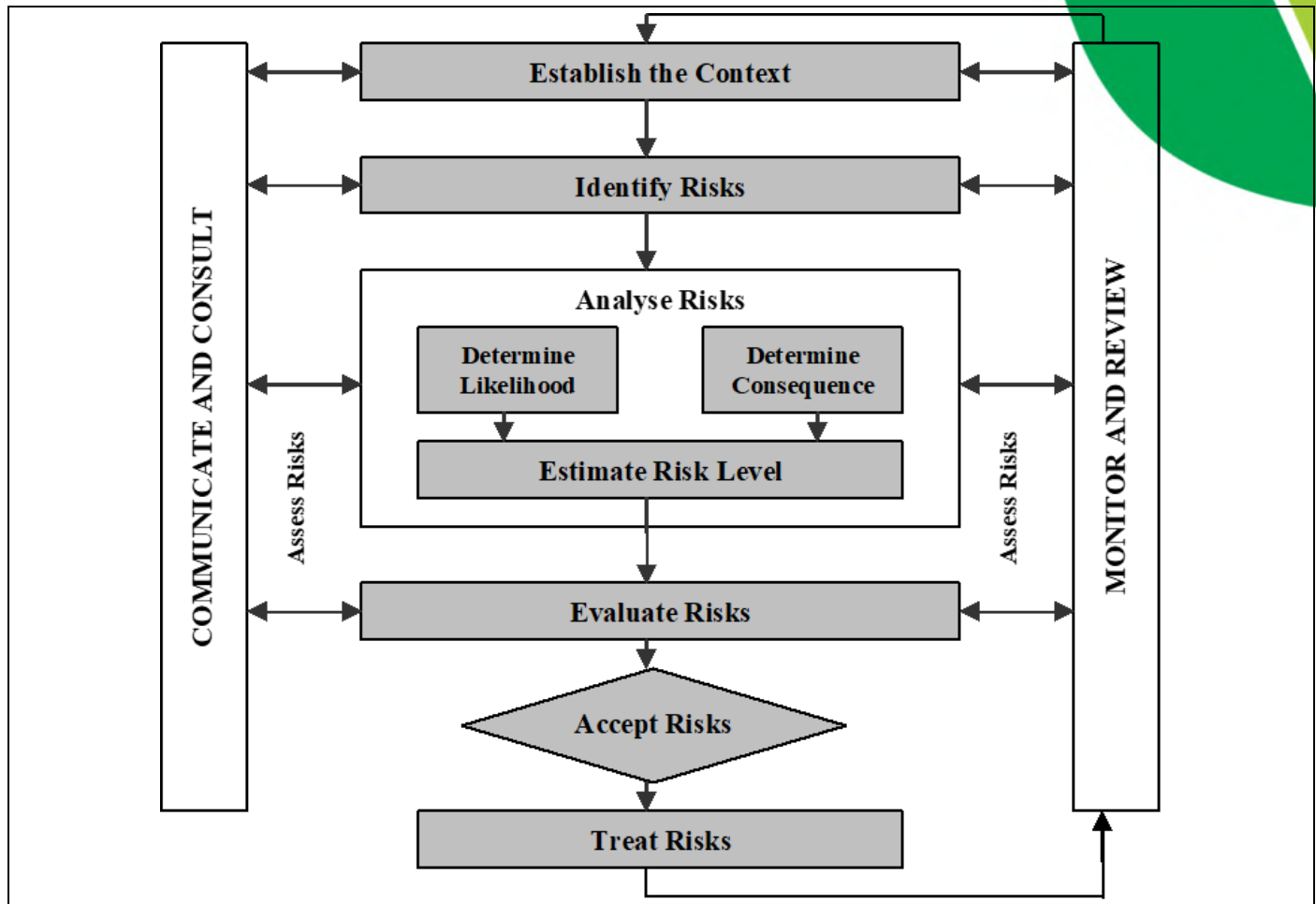
Public notifications shall be undertaken by the event organiser if required by Council. Refer the Event DA for the respective area required.



16 RISK MANAGEMENT

16.1 RISK MANAGEMENT PROCESS

Throughout the Risk Management process, we will link activities to the Australian Standards AS ISO 31000:2018. These standards provide a systematic approach to the Risk Management.



16.2 RISK TOLERANCE

A risk rating determined to be higher than a “low” or a “moderate” level (see: “Risk Assessment Tool” below for descriptions of these terms) should result in senior management assessing the viability of implementing the suggested additional control measures.

Even where a residual risk of a “low” or moderate” level exists, senior management should evaluate, where it is viable, to further reduce the likelihood or consequences of that stated risk.



16.3 RISK ASSESSMENT TOOL

The risk assessment tool acts as a guide to determine an appropriate rating for each risk. It is important to note that risk is subjective and therefore any ratings applied should be considered in this context.

Likelihood	Consequences				
	Insignificant (1) <i>(Minor problem easily handled by normal day to day processes)</i>	Minor (2) <i>(Some disruption possible, e.g. damage equal to \$500k)</i>	Moderate (3) <i>(Significant time/resources required, e.g. damage equal to \$1 million)</i>	Major (4) <i>(Operations severely damaged, e.g. damage equal to \$10 million)</i>	Catastrophic (5) <i>(Business survival is at risk damage equal to \$25 million)</i>
Rare (1) <i>(e.g. <3% chance)</i>	2	3	4	5	6
Unlikely (2) <i>(e.g. between 3% and 10% chance)</i>	3	4	5	6	7
Moderate (3) <i>(e.g. between 10% and 50% chance)</i>	4	5	6	7	8
Likely (4) <i>(e.g. between 50% and 90% chance)</i>	5	6	7	8	9
Almost certain (5) <i>(e.g. >90% chance)</i>	6	7	8	9	10

16.4 RISK SCORE EVALUATION

Risk Score	Risk Level	Response
2-4	Low	Manage through routine procedures
5-6	Moderate	Specific procedures and monitoring required, specify management responsibility
7-8	High	Action plan required, specific senior management attention and specify responsibility
9-10	Extreme	Immediate action required, senior management required with detailed plan and Senior Management responsibility noted



16.5 RISK TREATMENTS

Treatment of the risks associated with hazards identified will involve appropriately selecting a treatment option as indicated below.

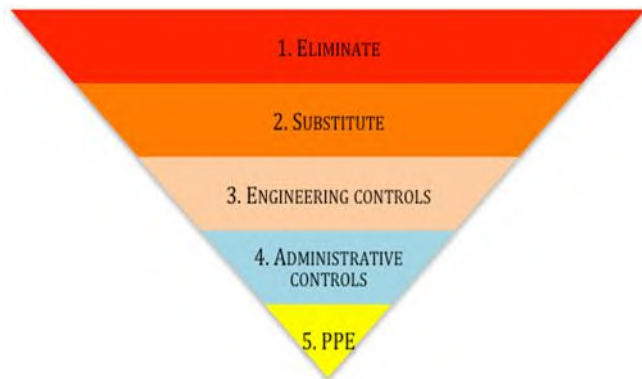
The Hierarchy of Hazard Controls is recommended as the best-practice approach to addressing the source of real/safety risks and thus eliminating or minimising such risks. When a hazard is identified it shall be:

1. Eliminated (designed out, eliminated),
2. Substituted (i.e. if a hazardous work practice exists it should be replaced with non-hazardous or less hazardous work practice),
3. Isolated (if nothing could be done in short term the hazard should be isolated, so it does not impose a risk to a person),
4. Controlled through engineering methods (guarded away using covers etc.),
5. Controlled through Administrative means (procedures/practices, inductions, instructions, workplace training etc.),
6. Persons protected by PPE (Personal Protective Equipment).

The controls should be used in order as indicated - starting from Eliminate as the best approach and then working down the options. A combination of hazard controls from the list above could be used to address any one hazard at one time - a hazard control on its own is not exhaustive and can be used in a combination with one or more other controls.

The primary aim of risk control is to eliminate the risk; the best way of achieving this is to eliminate the hazard. If this is not possible the risk must be minimised by utilising the ALARP principle;

Nomination	Multiplier	Outcome
A	=	As
L	=	Low
A	=	As
R	=	Reasonably
P	=	Practicable



SA/SNZ HB 205:2017 states that the most effective form of risk control is to eliminate the hazard, however if this is not reasonably practicable to eliminate the hazard, the risk must be minimised to the lowest reasonably practicable level by taking the following measures in the order and as determined by the risk assessment (Hierarchy of Controls).

If no single control is appropriate, a combination of the above controls will be taken to minimise the risk to the lowest reasonably practicable level.



16.6 RISK ASSESSMENT PLAN (RISK REGISTER)

A list of potential causes, consequences and control measures are provided. This should not be considered an exhaustive list

#	HAZARD	RISK	CURRENT			CONTROL MEASURES	RESIDUAL			RESPONSIBILITY
			LIKELIHOOD	CONSEQUENCE	RISK RATING		LIKELIHOOD	CONSEQUENCE	RISK RATING	
TRAFFIC RISKS										
1	Cyclist/vehicle and/or Pedestrian interaction	Short Term Injury Long Term Injury	2	3	M	Carpark road closure during live event to allow safe area for all. First aid trained person onsite. Traffic controllers to be mindful of same when working on network. Residential street with existing lighting and additional light towers deployed. All staff should be in hi-vis vest when working around traffic.	2	2	L	Contractors Vendors Event Organiser Traffic Control
3	Illegal Parking	Short Term Injury Financial Delay	3	1	L	Stall holders/Vendors advised as to their responsibility to parking in compliant/allocated location. Rangers responsible for non-compliant parking & regulatory enforcement. Only onsite parking is for mobility holders and same is limited.	2	1	L	All staff Contractors Event Organiser Traffic Control
3	Overcrowding on roads	Death Short Term Injury Long Term Injury Delay	2	3	M	Tickets normally pre-purchased and numbers for site pre-ascertained Play lists assist with patronage numbers and movement. Traffic controller to assist police if requested. Entry queue set back off road network.	1	2	L	First Aid Event Organiser Police Traffic Controller
4	Traffic Jam in surrounding area	Short Term Injury Long Term Injury Delay	2	2	L	Custom TGS's for event. Consultation will relevant stakeholders as part of planning.	2	2	L	Police Site Manager LGA



TRAFFIC MANAGEMENT PLAN

Great Southern Land 2022

Traffic Plan Professionals V1.0 of 15 November 2021

Page 19 of 22

						Traffic Manager onsite during live event to monitor areas and liaise with nominated rep. No physical road closures which will assist by reducing any delays.				
5	Vehicle Breakdown	Financial Delay				Alternate routes to be utilized. Contingency routes considered as part of planning. RMS/Police to be advised of same for assistance.				Event Organiser Traffic Controller Police/RMS
WEATHER RISKS										
6	Exposure to Cold	Short Term Injury Financial Reputation	2	3	M	Thermal first aid sheets in all first aid kits, first aid onsite. Staff to be provided with relevant PPE. Call Emergency Services 000 Ambulance.	1	2	L	Event Organiser First aid Traffic Control
7	Exposure to Sun	Short Term Injury Financial Reputation	4	2	M	All staff to wear Sun rated caps/hats where possible. Sunscreens available to staff from supervisor. Water available from supervisor & staff reminded to bring spare supply. All TC's reminded to use sunscreen and protective clothing.	2	2	L	First aid Event Organiser Traffic Control
8	Heavy Rain	Death Short Term Injury Long Term Injury Delay	2	4	M	Supply wet weather gear for crew if required. Medics/trained first aiders onsite during event, security at other times during bump in & out. Unsafe areas to be barricaded off. Be mindful where you place signs during rain to ensure equipment doesn't block drains etc.	2	2	L	First aid Event Organiser LGA Traffic Control
9	Lightning	Death Short Term Injury Long Term Injury	1	6	M	Refer AS1768 Monitor BOM for any change in weather. Do not hold stop/slow bat during lightning. Where possible seek shelter if safe to do so.	1	4	L	Event Organiser Traffic Control



TRAFFIC MANAGEMENT PLAN

Great Southern Land 2022

Traffic Plan Professionals V1.0 of 15 November 2021

Page 20 of 22

10	Strong Wind	Death Short Term Injury Financial	4	4	H	BOM to be monitored throughout event-by-Event Organiser. All supervisors to be advised of any noteworthy change. Medics/trained first aiders onsite during event, security at other times during bump in & out. If injury call Emergency Services 000 Ambulance / Police. All signs to be weighted in high wind areas.	6	5	M	First Aid Event Organiser Traffic Control
HEALTH RISKS										
11	COVID	Death Short Term Injury Long Term Injury Financial	3	5	H	Event organiser to develop COVID plan. All TPP staff double vaccinated as per Company Policy. TC's to conduct social distancing of 1.5m from other persons. PPE to be utilised when required. Wash hand regularly and follow current health guidelines. If you have any symptoms do not attend work.	2	4	M	All staff Traffic Control Event Organiser NSW Health
12	Medical Emergency	Death Short Term Injury Long Term Injury Financial Delay Reputation	2	3	M	Dedicated Emergency Services routes & access points with a clear path for fast access, traffic controllers manning access points TC on main entry gate to maintain access during event. Communications to ensure all parties are abreast. Emergency services to be contact 000.	2	2	L	Medical Manager Event Organiser Traffic Control
13	Staff Fatigue	Short Term Injury Delay	4	2	M	TPP Fatigue Management Plan implemented. Team leader to monitor staff and ensure fatigued staff replaced. Rostering manager to ensure rosters compliant with FMP.	2	2	L	Roster Manager Team leader Traffic Control
SITE RISKS										
14	Slip/Trip/Falls	Short Term Injury Long Term Injury	3	2	M	Site inspection to identify hazards & remove/treat same in your immediate work ware only.	2	2	L	Cleaners Event Organiser



TRAFFIC MANAGEMENT PLAN

Great Southern Land 2022

Traffic Plan Professionals V1.0 of 15 November 2021

Page 21 of 22

						Good housekeeping. Cleaners to monitor/patrol & clean up where necessary. Production to be advised of any spills/potential slip hazards that may exist. Ensure pathways are lit sufficiently on the major pedestrian routes. Install light towers in poorly lit areas.				First Aid Traffic Control
15	Terrorism	Death Short Term Injury Long Term Injury Financial Delay Reputation	3	5	H	Police consulted re locations for Target Hardening control measures. UP Police onsite during event. TC's at key entry points controlling access.	3	2	M	Police Traffic Control
16	Trees	Death Short Term Injury Long Term Injury	2	4	M	Site to be checked for damaged branches/split trunks, LGA advised in areas where TC's are working. Do not put staff/workers under hanging/loose branches, if required create exclusion zone. In excessive winds monitor trees for any suspect branches in your work area.	2	2	L	First Aid Event Organiser LGA Traffic Control
MISCELLANEOUS										
17	Communication Failure	Death Short Term Injury Financial Reputation	3	2	M	Ensure all TC's are familiar with radio and procedure for use. Monitor/report any issues with radios. Radio check on commencement of shift. Contract only reliable radio supplier with proven record. Backup radios to replace any faulty radios. Use of Instant messenger apps or the Office 3CX system to communicate with staff. Backup Satellite Phone on large events.	3	1	L	Telecommunications Provider Two Way Radio Provider Event Organiser Emergency Services



17 CONSULTATION & CONTACT LIST

The below list are the practitioners consulted as documents owners, stakeholders and/or approval authorities for this document.

NAME	ORGANISATION
Pedr Danks	Traffic Plan Professionals Pty Ltd
Drew Ferguson-Tait	Traffic Plan Professionals Pty Ltd
Grant Fayle	Traffic Plan Professionals Pty Ltd
Caitie Jefferies	Zaccaria Concerts & Touring
Patrick Bastawrous	Northern Beaches Council
Nino Jelovic	NSW Police – Manly PAC
	Taxis
	Uber
	Council
	TfNSW

18 APPENDIX

The below appendices form part of the TMP and should be read in part or/and in whole when reviewing the above information.

#	Document Name
1	TGS0653 – Keirle Park Bump In
2	TGS0654 – VMS Schedule & Advance notice
3	TGS0655 – Event Day signage for TGS0656
4	TGS0656- Event Day setup
5	TGS0657 – Additional VMS
6	Emergency Access Points



BUMP IN & OUT

TRUCKS TO CALL
AHEAD UHF CH29
ON APPROACH

TCP EFFECTIVE

DATE TIMES

17/03/2021	07:00 - 19:00
18/03/2021	07:00 - 19:00
19/03/2021	07:00 - 19:00
20/03/2021	06:00 - 11:00
21/03/2021	07:00 - 19:00
22/03/2021	07:00 - 19:00

Legend

Manifest

- Bus Stop
- Cone
- Delivery Path
- Traffic Controller
- traffic light

17 x Cone
1 x T1-5 WORKERS AHEAD
1 x Traffic Controller

Cones to remain in place out of these hours to keep spaces free.



40m

PITTWATER RD

EUROBIN AVE

WORK HEALTH & SAFETY
TRAFFIC CONTROL WORK



Pedr Allan DANKS

Card No: TCT0057732 DOB: 29/11/1970


Date of Issue: 16/12/2015

Type of traffic control work: IMP PWZ TCR

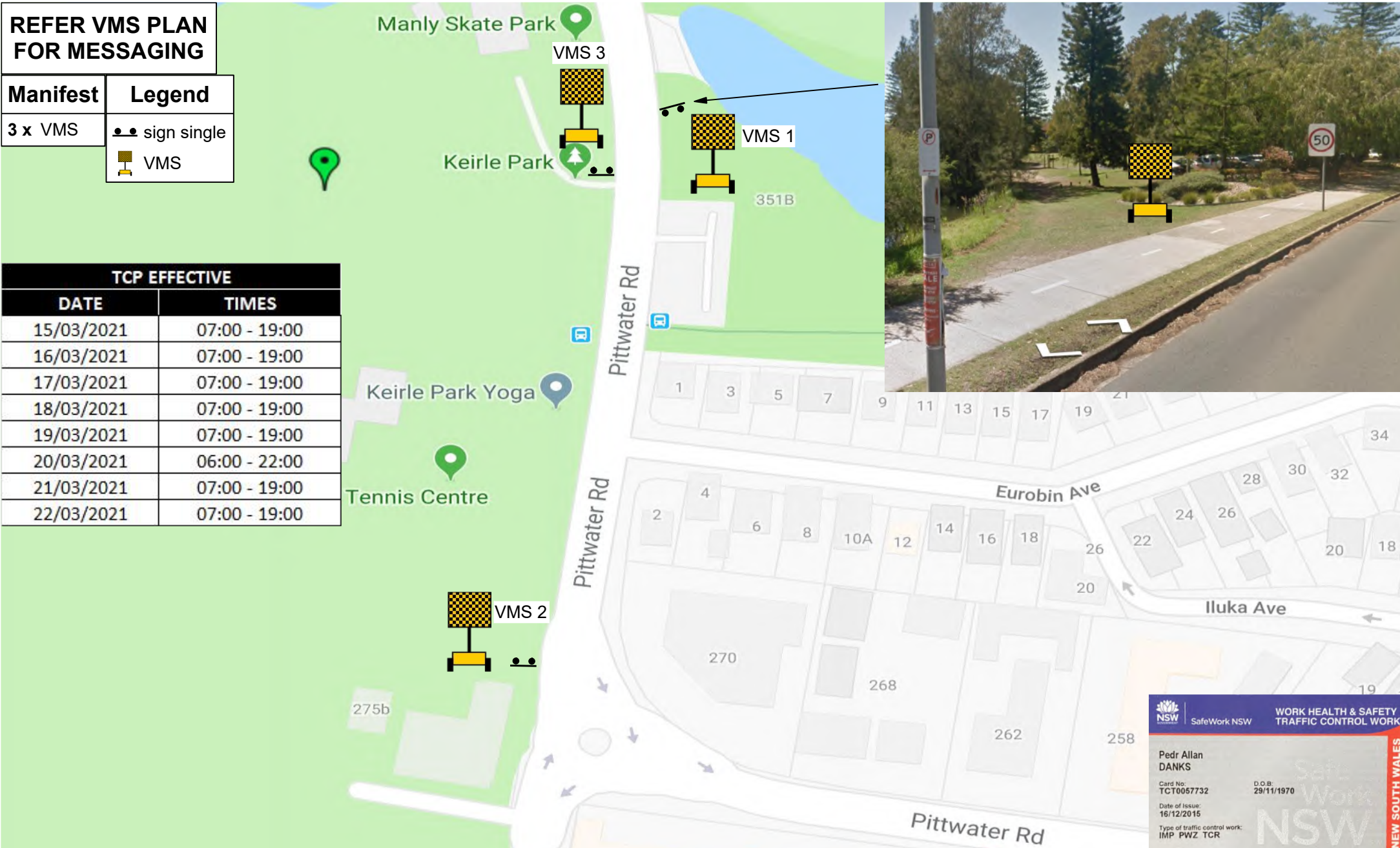
NEW SOUTH WALES


Drawing: Pedr Danks Ticket: Prepare Work Zone Traffic Management Plan. TCT #0057732		Works: Icehouse GSL 2022	TGS Effective: refer schedule	<table><tr><th colspan="2">SIGN SPACING</th></tr><tr><td>Estimated speed of Traffic "D"</td><td>Dimension of sign "m"</td></tr><tr><td>40</td><td>0-5</td></tr><tr><td>50</td><td>15-50</td></tr><tr><td>60</td><td>45-60</td></tr><tr><td>70</td><td>70</td></tr><tr><td>80</td><td>80</td></tr><tr><td>90</td><td>90</td></tr><tr><td>100</td><td>100</td></tr></table>	SIGN SPACING		Estimated speed of Traffic "D"	Dimension of sign "m"	40	0-5	50	15-50	60	45-60	70	70	80	80	90	90	100	100	Compliance Notes: 1. Plan not drawn to scale. 2. A or B Size signs are to be used. 3. 700mm cones are required. 4. Cone spacing is i.a.w TCAWS v6.0 5. Appropriate PPE to be worn for the conditions. 6. Traffic Controllers to use 2 way radios when verbal communication is required. 7. Site specific conditions to be noted 8. All signs subject to +25% -10% tolerance 9. Sign Checks required every 2 hours. 10. Active Traffic Controllers to have an escape route and 1.5D sight distance at their location. 11. Drawn i.a.w. AS1742.3 2019, TCAWS v6.0	Modifications are to be marked on the plan. Only current PWZTMP holders can amend TGS. PWZTMP # _____ Expiry _____ Name _____ Sign _____ <div>This document remains the Intellectual Property (IP) of Traffic Plan Professionals Pty Ltd at all times. Copyright Traffic Plan Professionals Pty Ltd 2021.</div>	
SIGN SPACING																									
Estimated speed of Traffic "D"	Dimension of sign "m"																								
40	0-5																								
50	15-50																								
60	45-60																								
70	70																								
80	80																								
90	90																								
100	100																								
Drawn on: 15/11/2021		Consulted/Reviewed by: P Danks, D Ferguson-Tait, C Jefferies.																							
Work Location: 277 Pittwater Rd, Manly		Site Specific Notes:																							
North 	Plan # 0653 v1																								

REFER VMS PLAN FOR MESSAGING

Manifest	Legend
3 x VMS	<div>●● sign single</div> <div>  VMS </div>

TCP EFFECTIVE	
DATE	TIMES
15/03/2021	07:00 - 19:00
16/03/2021	07:00 - 19:00
17/03/2021	07:00 - 19:00
18/03/2021	07:00 - 19:00
19/03/2021	07:00 - 19:00
20/03/2021	06:00 - 22:00
21/03/2021	07:00 - 19:00
22/03/2021	07:00 - 19:00



Drawing: Pedr Danks Ticket: Prepare Work Zone Traffic Management Plan. TCT #0057732	Works: Icehouse GSL 2022	TGS Effective: refer schedule	SIGN SPACING <table border="1"> <tr> <th>Estimated speed of Traffic "D"</th> <th>Dimension of sign "m"</th> </tr> <tr> <td>40</td> <td>0-5</td> </tr> <tr> <td>50</td> <td>15-50</td> </tr> <tr> <td>60</td> <td>45-60</td> </tr> <tr> <td>70</td> <td>70</td> </tr> <tr> <td>80</td> <td>80</td> </tr> <tr> <td>90</td> <td>90</td> </tr> <tr> <td>100</td> <td>100</td> </tr> </table>	Estimated speed of Traffic "D"	Dimension of sign "m"	40	0-5	50	15-50	60	45-60	70	70	80	80	90	90	100	100	Compliance Notes: 1. Plan not drawn to scale. 2. A or B Size signs are to be used. 3. 700mm cones are required. 4. Cone spacing is i.a.w TCAWS v6.0 5. Appropriate PPE to be worn for the conditions. 6. Traffic Controllers to use 2 way radios when verbal communication is required. 7. Site specific conditions to be noted 8. All signs subject to +25% -10% tolerance 9. Sign Checks required every 2 hours. 10. Active Traffic Controllers to have an escape route and 1.5D sight distance at their location. 11. Drawn i.a.w. AS1742.3 2019, TCAWS v6.0	Modifications are to be marked on the plan. Only current PWZTMP holders can amend TGS. PWZTMP # _____ Expiry _____ Name _____ Sign _____	
	Estimated speed of Traffic "D"	Dimension of sign "m"																				
40	0-5																					
50	15-50																					
60	45-60																					
70	70																					
80	80																					
90	90																					
100	100																					
Drawn on: 15/11/2021 Work Location: Keirle Park, Manly	Consulted/Reviewed by: P Danks, D Ferguson-Tait, C Jefferies.	Site Specific Notes:	This document remains the Intellectual Property (IP) of Traffic Plan Professionals Pty Ltd at all times. Copyright Traffic Plan Professionals Pty Ltd 2021.																			

Legend

●● sign single

TCP EFFECTIVE

DATE

20/03/2021

TIMES

11:00 - 22:00

Manifest

1 x T1-18 PREPARE TO STOP

1 x T1-34 TRAFFIC CONTROLLER AHEAD

1 x T1-5 WORKERS AHEAD



Drawing: Pedr Danks
Ticket: Prepare Work Zone
Traffic Management Plan.
TCT #0057732

Drawn on: 15/11/2021

Work Location:
277 Pittwater Rd, Manly

North



Plan #
0655 v1

Works:

Icehouse GSL 2022

Consulted/Reviewed by:
P Danks, D Ferguson-Tait, C Jefferies.

Site Specific Notes:

TGS Effective:

refer schedule

SIGN SPACING

Estimated speed of Traffic "D"	Dimension of sign "m"
40	0-5
50	15-50
60	45-60
70	70
80	80
90	90
100	100

Compliance Notes:

1. Plan not drawn to scale.
2. A or B Size signs are to be used.
3. 700mm cones are required.
4. Cone spacing is i.a.w TCAWS v6.0
5. Appropriate PPE to be worn for the conditions.
6. Traffic Controllers to use 2 way radios when verbal communication is required.
7. Site specific conditions to be noted
8. All signs subject to +25% -10% tolerance
9. Sign Checks required every 2 hours.
10. Active Traffic Controllers to have an escape route and 1.5D sight distance at their location.
11. Drawn i.a.w. AS1742.3 2019, TCAWS v6.0

Modifications are to be marked on the plan.
Only current PWZTMP holders can amend TGS.

PWZTMP # _____

Expiry _____ Name _____

Sign _____

This document remains the Intellectual Property (IP) of
Traffic Plan Professionals Pty Ltd at all times.
Copyright Traffic Plan Professionals Pty Ltd 2021.

SafeWork NSW

WORK HEALTH & SAFETY
TRAFFIC CONTROL WORK

Pedr Allan DANKS

Card No: TCT0057732

Date of Issue: 16/12/2015

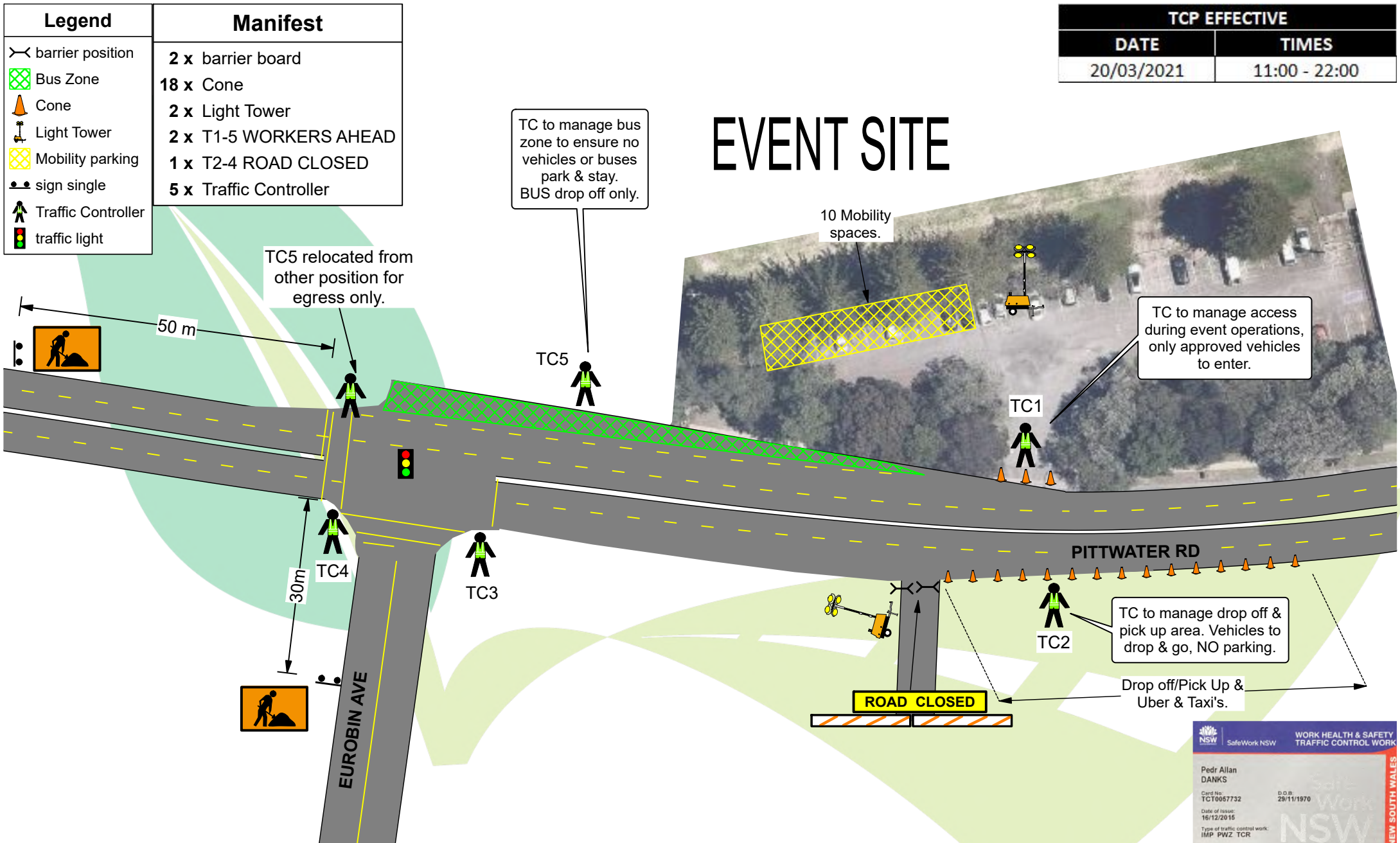
Type of traffic control work: IMP PWZ TCR


DOB: 29/11/1970


Safe Work NSW

NEW SOUTH WALES

Traffic Plan
Professionals Pty Ltd



Drawing: Pedr Danks Ticket: Prepare Work Zone Traffic Management Plan. TCT #0057732		Works: Icehouse GSL 2022	TGS Effective: refer schedule	<table><tr><th colspan="2">SIGN SPACING</th></tr><tr><td>Estimated speed of Traffic "D"</td><td>Dimension of sign "m"</td></tr><tr><td>40</td><td>0-5</td></tr><tr><td>50</td><td>15-50</td></tr><tr><td>60</td><td>45-60</td></tr><tr><td>70</td><td>70</td></tr><tr><td>80</td><td>80</td></tr><tr><td>90</td><td>90</td></tr><tr><td>100</td><td>100</td></tr></table>		SIGN SPACING		Estimated speed of Traffic "D"	Dimension of sign "m"	40	0-5	50	15-50	60	45-60	70	70	80	80	90	90	100	100	Compliance Notes: 1. Plan not drawn to scale. 2. A or B Size signs are to be used. 3. 700mm cones are required. 4. Cone spacing is i.a.w TCAWS v6.0 5. Appropriate PPE to be worn for the conditions. 6. Traffic Controllers to use 2 way radios when verbal communication is required. 7. Site specific conditions to be noted 8. All signs subject to +25% -10% tolerance 9. Sign Checks required every 2 hours. 10. Active Traffic Controllers to have an escape route and 1.5D sight distance at their location. 11. Drawn i.a.w. AS1742.3 2019, TCAWS v6.0		Modifications are to be marked on the plan. Only current PWZTMP holders can amend TGS. PWZTMP # _____ Expiry _____ Name _____ Sign _____ This document remains the Intellectual Property (IP) of Traffic Plan Professionals Pty Ltd at all times. Copyright Traffic Plan Professionals Pty Ltd 2021.	
SIGN SPACING																											
Estimated speed of Traffic "D"	Dimension of sign "m"																										
40	0-5																										
50	15-50																										
60	45-60																										
70	70																										
80	80																										
90	90																										
100	100																										
Drawn on: 15/11/2021		Consulted/Reviewed by: P Danks, D Ferguson-Tait, C Jefferies.		Site Specific Notes:																							
Work Location: 277 Pittwater Rd, Manly																											
North	 Plan # 0656 v1																										



Traffic Plan
Professionals Pty Ltd

REFER VMS PLAN FOR MESSAGING

Legend

- sign single
- VMS

Manifest

1 x VMS

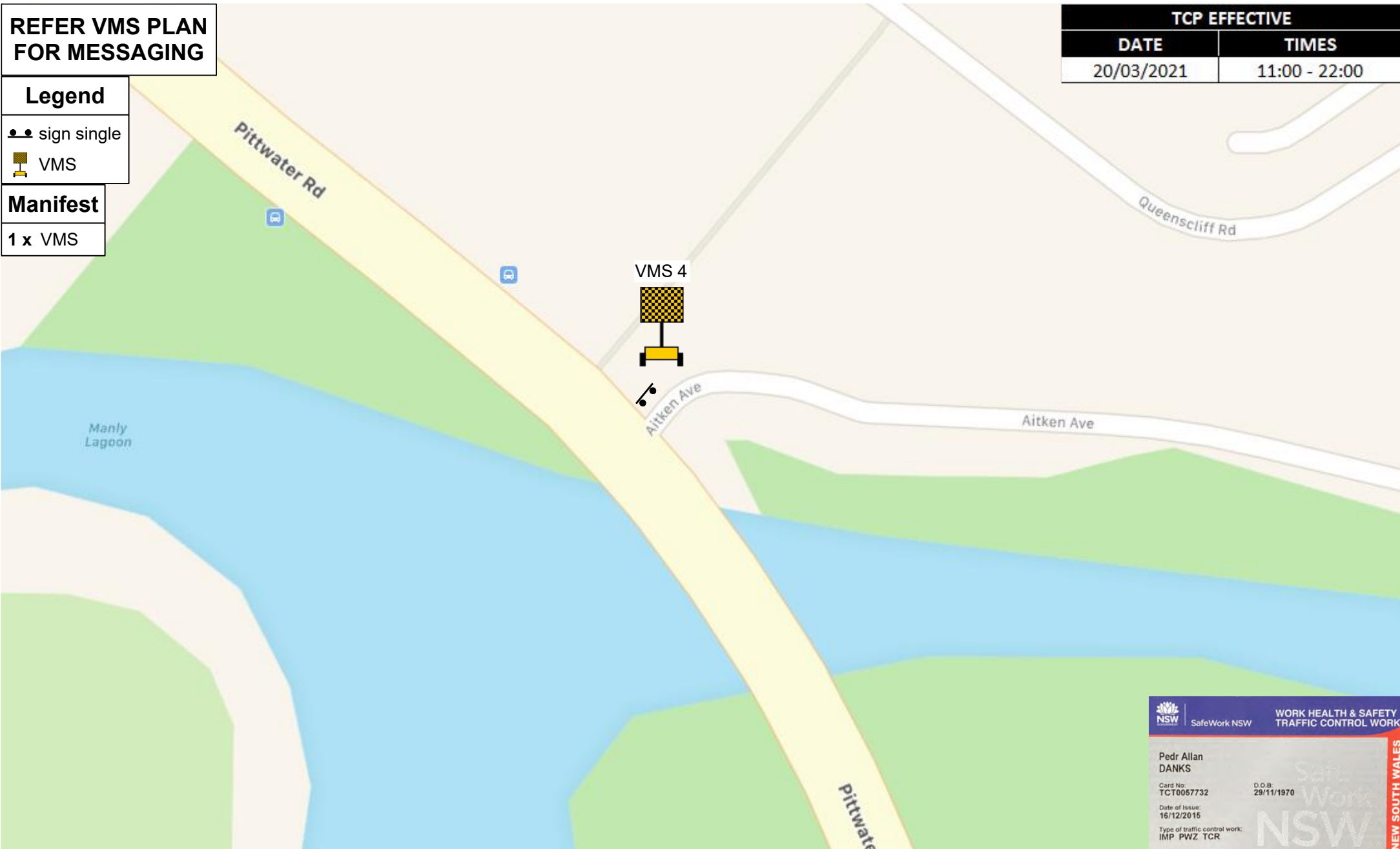
TCP EFFECTIVE



DATE

20/03/2021

TIMES

11:00 - 22:00



Drawing: Pedr Danks Ticket: Prepare Work Zone Traffic Management Plan. TCT #0057732		Works: Icehouse GSL 2022	TGS Effective: refer schedule	SIGN SPACING		Compliance Notes: 1. Plan not drawn to scale. 2. A or B Size signs are to be used. 3. 700mm cones are required. 4. Cone spacing is i.a.w TCAWS v6.0 5. Appropriate PPE to be worn for the conditions. 6. Traffic Controllers to use 2 way radios when verbal communication is required. 7. Site specific conditions to be noted 8. All signs subject to +25% -10% tolerance 9. Sign Checks required every 2 hours. 10. Active Traffic Controllers to have an escape route and 1.5D sight distance at their location. 11. Drawn i.a.w. AS1742.3 2019, TCAWS v6.0	Modifications are to be marked on the plan. Only current PWZTMP holders can amend TGS. PWZTMP # _____ Expiry _____ Name _____ Sign _____ This document remains the Intellectual Property (IP) of Traffic Plan Professionals Pty Ltd at all times. Copyright Traffic Plan Professionals Pty Ltd 2021.		
Drawn on: 15/11/2021		Consulted/Reviewed by: P Danks, D Ferguson-Tait, C Jefferies.	Estimated speed of sign "D"		40				0-5
Work Location: Aitken Ave, Manly		Site Specific Notes:	50		15-50				
North 			60		45-60				
Plan # 0657 v1			70		70				
			80		80				

EMERGENCY VEHICLE ACCESS



**EVENT
SITE**

**EMERGENCY
ACCESS
1**



**EMERGENCY
ACCESS
2**

