

Allroad Group Pty Ltd

Traffic Management Plan (TMP)

Greg Hunter

22 Mccarrs Creek Road, Church Point 2105

Allroad Group Pty Ltd 40 Hallstorm Pl, Wetherill Park, NSW 2164



Document & Version Control

Project Name:	Construction and Demolition
Address:	22 Mccarrs Creek Road, Church Point 2105
Client:	Greg Hunter
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Allroad Groups consultants are qualified personal, with the relevant "Prepare a Work Zone Traffic Management Plan" accreditation.

This TMP has been prepared for the Client and for the specific purpose of seeking approval for their works, as stated in the document.

Allroad Group does not accept any responsibility for any amendments of the content of this report by a third party.

This document has been prepared based on the Client's descriptions, their requirements and other information provided by the Client and other third parties.



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1. Introduction

This Traffic Management Plan (TMP) has been commissioned by Greg Hunter for the alterations and Extension works to dwelling house at 22 Mccarrs Creek Road, Church Point.

The purpose of this report is to detail the Traffic Management during the construction works, which would minimise traffic impacts on the surrounding road network, ensure safety and efficiency for workers, pedestrians, cyclists and other road users, and provide information regarding the construction vehicle access routes and any changed road conditions (if applicable).

The TMP and Traffic Guidance Scheme (TGS) have been prepared in accordance with:

- Australian Standards 1742.3 2009
- RMSs "Traffic Control at Work Sites Technical Manual" V6.1
- Austroads "Temporary Traffic Management Manual" 2019

The Applicant is not allowed to commence constructions until the TMP has been approved by the Northern Beaches Council as per the development application (DA2021/2113).

2. Key Stakeholders

The table below shows the Key Stakeholders of the project.

Company	Contact	Position	Role of the	Contact Details
Name	Name (First & Last)		company within the	(Email & Phone)
			project	
Constructive	Greg Hunter		Spokorman	0418460646
Construction	Gleg Hullel		Spokesman	constructive6@bigpond.com
Peter	Peter		Designer	0488662445
Downes	Downes		and DA	peter@peterdownes.com.au
Downes	DOMUES		applicant	

Table 1 - Key Stakeholders



3. Construction Site Location & Context

3.1 Site Location

The construction site is located at 22 Mccarrs Creek Road, in the suburb of Church Point and under the jurisdiction of the Northern Beaches Council. The site is bounded by the following roads:

North: Pittwater Road

South: Walker Place



Figure 1- Construction Site Location (Six Maps)



Figure 2- Street View (Google Street View)



3.2 Road Hierarchy

The road hierarchy within the area of the construction site is presented in *Figure* 2 and described below:



Figure 3 - Road Hierarchy (<u>https://roads-waterways.transport.nsw.gov.au/classification/map/index.html</u>)

3.2.1 Reginal Roads

Mccarrs Creek Road is a 2-lane, 2-way in Church Point. Furthermore, it requires the approval from TMC as well as Council. It runs in a North – South direction in the vicinity of the site. The road provides a link to Pittwater Road in the South and only way access for residents for accessing different location as it is not connected to any other link road.

Speed Limit: 50km/h

Distance to Site: Om



4. Council Permits/Transport Approval

4.1 Council Permits

The applicant will ensure that prior to the commencement of works all relevant council permits such as a "Stand Plant" and "Works Zone" permits have been obtained from the Northern Beaches Council.

4.1.1 Works Zone

During the early stages of the construction works a "Works Zone" permit will be applied for when necessary. The location of the proposed works zone will at the front of the property.

4.1.2 ROL Application

Mccarrs Creek Road is a reginal road with the shared responsibility of the council and transport. It requires the approval of transport of any work being carried out on the road. Project must be approved by council prior to application being submitted for transport approval. ROL application takes 10 working days process to access.





5. Construction & Traffic Management

Greg Hunter and their Builder will be carrying out the construction works at 22 Mccarrs Creek Road, Church Point.

5.1 Construction Stages: Dates & Work Hours

The project consists of 1 Stage. The start and end dates as well as the working hours are shown in the table below:

Dates and Times	
Duration of Entire Project	
excluding unexpected events	15 Months
such as weather etc.:	
Stage 1	Demolition (2 Weeks)
Beginning Stage 1:	TBC
Finish Date Stage 1:	TBC
Hours of Work during Stage 1:	Mon – Fri: 7am – 5pm
	Sat: 8 am-1 pm (No work on Sunday or Public Holiday)
Stage 2	Excavation (2 Weeks)
Beginning Stage 2:	TBC
Finish Date Stage 2:	TBC
Hours of Work during Stage 2:	Mon – Fri: 7am – 5pm
	Sat: 8 am-1 pm (No work on Sunday or Public Holiday)
Stage 3	Construction (56 Weeks)
Beginning Stage 3:	TBC
Finish Date Stage 3:	TBC
Hours of Work during Stage 3:	Mon – Fri: 7am – 5pm
	Sat: 8 am-1 pm (No work on Sunday or Public Holiday)
	Table 2- Construction Stages Overview

Works will only take place within council approved times. Out Of Hours application must be lodged and approved prior to the implementation of the works.



5.2 Description of Works, Duration & Traffic Management

The tables below provide an overview of the construction stages, their duration, the description of works as well as the traffic management.

<u>Stage 1</u>

Stage 1 (Duration: 6-7 Months)	
Construction Works	Construction and Demolition Works
Traffic Management	 Heavy Vehicle Movement ARG 23-1126 TGS Stop/Slow (if necessary) ARG 23-1127 TGS Vehicle Movement Plan ARG 23-1128 TGS
	Table 3 – Stage 1 Overview

The Traffic Guidance Schemes for this project are shown in **Appendix A**.

5.3 Impact on nearby Construction Sites

There are no construction works in the proximity of the construction site.

5.4 The proposed method of loading and unloading excavation and construction machinery

Current parking is limited to the verge construction of road base to the side of the bitumen road. It is proposed to use the verge for the full frontage of No. 22 and half frontage of No. 20 for tradesman to unloading/loading of excavation and construction machinery/building materials.

Note: No tower crane to required during construction period.

5.5 Resident Access to Properties

All residents will be able to always access their properties.



5.5 Traffic Controller Requirements

All Traffic Controllers (TCs) who attend the construction site must hold the following accreditation to perform their Traffic Control duties:

- Traffic Controller Ticket
- Implement Traffic Control Plans Ticket

All Traffic Controllers must also wear the appropriate PPE for the time of day & weather. Before commencing work all Traffic Controllers are required to attend inductions for the project if mandatory and attend toolbox talks prior to each shift.

All Traffic Controllers need to have suitable TGS and SWMS for the project on site, any modifications to the TGS must be signed off by a Traffic Control Team Leader who holds at least a "Prepare Work Zone (PWZ)" ticket.

The traffic control devices such as signage and delineation must be in place before the Traffic Controllers commence work.

5.6 Long Term Temporary Signage

Any signage that is in place for more than 2 weeks and is continuously required, should, where appropriate, be erected in a permanent manner on signposts sunk into the ground in accordance with AS 1742.3 CL 4.7.5. Where 2 signs are to be displayed together at one location, they may be displayed on the same mounting, either side by side or one above the other if suitable. If one of the 2 displayed signs is a Roadwork Speed Zone sign, it must be placed closest to the traffic. Roadwork Speed Zone Signs shall be erected at a min. of 600mm between the ground and the underside of the sign. Sign sizes will be determined in accordance to AS 1742.3 Cl 3.2.3.

Long Term Temporary Signage must be installed by an experienced person holding a Transport for NSW accreditation of no less than an "Implement Traffic Control Plan" ticket.

Long Term Temporary Signage must accommodate daytime, nighttime & adverse weather conditions. All signs must meet the Australian Standards and Transport for NSW Specifications as per AS 1742.3 2009, Section 3.4.2 as well as the Austroads "Guide to Temporary Traffic Management".



6. Pedestrian & Cyclist Management

To ensure that pedestrians and cyclists can move safely, the work area will be clearly defined using appropriate fencing as per TCAWS V6.1 – Section 4.4.2.

6.1 Pedestrians

The current road alignment does not have footpaths on either side of the road.

<u>6.2 Cyclists</u>

Cyclists will not be obstructed by the construction works and will be able to use both sides of the road.



7. Construction Site Management

7.1 Site Contact Person

The site contact person for the project is Bruce Law.

Name: Greg Hunter Phone: 0418460646 Email: <u>constructive6@bigpond.com</u>

7.2 Site Compound

The site compound of the construction site will be located within the existing building out the front of the house down the driveway.

7.3 Site Fence

A temporary sediment control fence around the property as well as a site safety fence at the front of the property will be erected to contain the work area.

An additional screen mesh will be installed to protect neighboring properties.

7.4 Contractor Parking Arrangements

Contractors to park on the designated parking. Driveway of No. 20 can be used as temporary parking for the tradesman.

Note: No Construction vehicle will be parked on Council Road blocking residents parking alongside road. In the case of space required for parking, prior council approval must be obtained.

7.5 Material Handling

The following provisions for material handling will be in place (as per Figure 5):

- Building material storage area on site (surrounded by site fence and sediment control fence)
- Building waste & recycling area on site (surrounded by site fence and sediment control fence)
- Excavation material to be loaded into trucks and excavation waste removal we be performed on the same day.
- Frontage of H.No:20 will be utilized as temporary crane hardstand for the material Loading/unloading.





7.6 Environmental Procedures

A range of measurements, including those outlined in the Environmental and Sedimental Control Plan (ESCP) shall be implemented to ensure the following:

- No dirt or debris from construction vehicles is tracked onto the public road network.
- reduce impacts to sensitive receivers, including, where practicable, operating noisy equipment away from sensitive receivers and implementing respite periods
- watering of dusty activities will be undertaken, or activities temporarily halted and then resumed once weather conditions have improved.
- spill kits will be provided at appropriate locations and near the site compound, parking area, dangerous goods areas, and the main project work area.
- All vibratory compactors must not be used closer than 30m from residential buildings unless vibration monitoring confirms compliance with the vibration criteria.
- Large heavy-duty driveways are present onsite from previous site use, as Austral masonry manufacturing yard.

A visual inspection of all vehicles will take place before entering the road reserve. Depending on the loose material, a manual clean using a heavy-duty brush to remove loose material from vehicle and then a sweep before vehicle is allowed to enter the road reserve.

In extreme cases hose vehicles remove material from vehicles before entering the road reserve making sure good practice of sediment control is in placed around road drains.

Also note limitations on vehicles entering or leaving site during inclement weather.



8. Construction Site Access Management

The site access for each stage including Heavy Vehicle Routes will be outlined in the sections below. Construction Vehicles will use the indicated site accesses and ingress/egress the site in a forward motion, no reverse movements are allowed. Any turning movements will be carried out within the construction site boundaries.

No construction vehicles should obstruct any pedestrian crossings or footpaths. Traffic Controller might need to do intermittent stoppages to allow construction vehicles to enter or exit the site as location do not have any link road to allow left in and left out method.

Definition of Light & Heavy Vehicles for the purpose of this TMP:

- Light Vehicles Car, Ute, Four-Wheel Drive, small bus, and concrete trucks up to 9.6m in length
- Heavy Vehicles range from a 12.5m Heavy Rigid Vehicle (HRV) up to 26.0m B-Doubles

All drivers must comply with the Driver Code of Conduct, outlined in Section 8.2.

All heavy construction vehicles will consult the NHVR Route Planner to determine their movements to and from site. The NHVR Route Planner can be viewed at https://www.service.nhvr.gov.au/#page=informationHub/routePlannerTool .

Transport for NSWs Oversize Over Mass Unit will be notified of the roadworks if an oversized load needs to pass the worksite.



8.1 Site Access

The site can be accessed via Pittwater Road.

Heavy Construction Vehicles will use the following routes to get to and from site:



Table 4 - Vehicle Ingress and Egress



8.1.1 Construction Vehicle Movements per Day

The following Construction Vehicles will be on site:

- Light Vehicles
- 5T Excavator
- 6 Wheel Tipper Truck

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Heavy Vehicles	≤4	≤4	≤4	≤4	≤4	≤4	/
Light Vehicles	≤4	≤2	≤2	≤2	≤2	≤2	/

Table 5- Construction Vehicle Movements all Stages

8.2 Driver Code of Conduct

All Drivers on Site must:

- be responsible and accountable for their own actions while operating a company vehicle.
- must have a current Driver License for the class of vehicle they are operating.
- comply with all traffic and road legislation.
- undertake daily pre-start checks of oil, tyre pressures, radiator, and battery levels of. company vehicles that they regularly use.
- drive within the legal speed limit incl. driving to the environmental conditions.
- not drive outside the approved Heavy Vehicle Routes.
- be cognizant of the noise and emission requirements imposed within the Environmental Impact Statement (EIS).
- not queue on public roads unless approval has been sought.
- never drive under the influence of alcohol and other drugs, incl prescriptions and over the counter medication that cause drowsiness, influences brain functions, neural activities and various vital functions of the body-
 - report to their supervisor if they have been prescribed medication prior to the start of the work.
- avoid distraction when driving
 - o adjust car stereos/ mirrors etc. before setting off or pull over to safely do so.
 - o not play with their mobile phone while operating the vehicle.
- report ALL near-misses, crashes, and scrapes to their manager.
- report vehicle defects to a manager prior to the next use of the vehicle.
- keep loads always covered.



8.3 Work site inspections, recording and reporting

The inspection, review and audit of temporary traffic management (TTM) arrangements are critical to ensure that the work site is operating safely. As such, the structure, schedule and frequency of these activities must be considered and identified during the TTM planning phase. These aspects will vary depending on the size, complexity and duration of works as per TCWS technical manual V6 (2020) section 8.

Weekly inspections must only be carried out by a PWZTMP qualified person. Weekly inspections must be carried out when a site is first open and at least once every week thereafter.



9. Public Transport Services

9.1 Railway Services

The Integrated Public Transport Service Planning Guidelines, Sydney Metropolitan Area (Transport for NSW – December 2013) states that rail services influence the travel choices of areas that are within 800m (10min walk) of a railway station. There is no close train station in Church Points.

9.2 Bus Services

The Integrated Public Transport Service Planning Guidelines, Sydney Metropolitan Area (Transport for NSW – December 2013) states that bus services influence the travel choices of areas that are within 400m (5min walk) of a bus stop.

The closest bus stop to the site is "Maccarrs Creek Road" and is approx. 170m Southeast of the site. The bus stop location is far from location and the current Traffic guidance Scheme do not affects the buses at all. No buses will be affected by the project.

Note: A relevant email will be sent to the bus company regarding the upcoming project prior to the commencement date of work informing them about construction work.



10. Impacts on the Community

10.1 Communication Strategy

A communication Strategy will be established by Greg Hunter to inform residents and businesses in the area of the proposed construction works. Resident access will always be maintained. The table below outlines the communication strategy to ensure that adequate communication with key stakeholders has been met.

Risk	Strategy	Communication Channel
Wider Traffic	Wider Community and Stakeholders informed	
Disruption	through letter box drops	
Construction	Ensure that Heavy Construction Vehicles use	
Related	routes as identified in the TMP	Letter Box Drops
Traffic	and	by Greg Hunter
	Ensure that residents in the area are notified in	
	advance to any traffic changes that may	
	affect them	

Table 6- Communication Strategy



10.4 Emergency Services

Emergency vehicles will not be impacted by the construction works and will be able to use all carriageways within the vicinity of the construction site without any restrictions. Emergency vehicles can ingress and egress the site using the indicated site access at 16 Fairwater Drive, Breakfast Point.

porprect Sess

Harpreet Singh Planner

M.B.A (Finance) Master of applied Information Technology (IT) PWZTMP No: TCT0063633

SafeWork I	NSW WORK HEALTH & SAFETY TRAFFIC CONTROL WORK
Harpreet SINGH	WALES
Card No: TCT0028419	
Date of Issue: 24/10/2016	25/03/1990 HE
Type of traffic control wo IMP PWZ TCR	oric MU



Appendix A – Traffic Guidance Scheme









General Notes

- 1. The designer of the TGS must hold a current PWZTMP gualification issued by Safe Work NSW
- 2. The TGS must be prepared in accordance with TfNSW TCAWS V6.1 (issued on 28 Feb 2022). Any departures in situations were the min. requirements contained in the TCAWS are not achievable, or are not achieving the required level of risk management must be documented
- as per Sec. 2.8. The TGS MUST be read in conjunction with the associated risk assessment. It is the clients responsibility to have all necessary permits on site
- before commencing works.
- 5. The TGS SHALL ONLY be implemented by either an "Implements Traffic Control Plan" ITCP or Prepare Work Zone Traffic Management Plan" PWZTMP qualified person.
- Before the commencement of works, a toolbox talk needs to be held. A "TTM Inspection checklist" must be filled out prior to the implementation of the TGS and a "Post site inspection confirmation" must be filled out after
- the completion of works as per TfNSW TCAWS V6.1 Appendix E3 & E4. 8. Traffic Controllers need to identify and make note of escape routes prior to the commencement of works.
- 9. Hand held UHF radios are to be utilized where required to communicate
- between traffic control & site vehicles. The Principal contractor has to notify local Emergency Services prior to the commencement of works.
- 11. Traffic Controllers have to ensure that the ROL (if required) has been activated prior to each shift and deactivated once shift has ended via the TMC web app
- 12. Advance signs SHALL be mounted at a minimum height of 200mm displayed as prominently as possible by selecting the longitudinal location of the sign for best sight distance for approaching traffic. Signs continuously required for works which will be in progress for periods longer than 2 weeks should be erected in a permanent manner, e.g. on
- posts sunk into the ground, and duplicated on the right side of the road. 13. Traffic volumes should be monitored throughout the implementation of the TGS(s). In the event queue lengths become unmanageable, works should cease if possible and traffic cleared before recommencing.

Pedestrian and Cyclist Management

All pedestrian & cyclist control measures, for the duration of the construction works will be monitored as required for effectiveness & improvements. Appropriate warning signage and directional signage will be in place and monitored throughout the works as per the provided TGS's attached to this document. Where current documented control measures are ineffective. A PWZTMP gualified person(s) should be contacted to suggest changes.

Recording & Monitoring

Regular inspections of traffic control devices SHALL be carried out 2 times a day and recorded in "Shift/Daily TTM inspection checklist". These records SHALL be available for inspection during the project. These records will be held on site by The Contractor. Details of all changes in traffic movements shall be recorded and maintained throughout the construction period and submitted within 7 days from the date of practical completion. In the event of a traffic related incident with in the site. The Contractor SHALL immediately notify the principal's representative, the police, and any necessary emergency services.

Adjustment & Modification of TGS

ITCP	Holder:
------	---------

ITCP qualified person must ensure that the TGS is implemented as approved. Minor adjustments can be completed in accordance with TfNSW - TCAWS V6.1 - Sec. 7.10.3, Modifications will be recorded on the TGS checklist and a signed copy will be available on-site

PWZTMP Holder:

Modifications to a Site Specific TGS must be approved by a PWITMP holder or another relevant qualification holder. Modifications must be supported by a TMP arrisk assessment to ensure that all site-specific conditions and risks have been considered and mitigation measurements identified and implemented in the TGSs. Implemented in the TGSs I rick is leafinited during the implementation of the TGS and requires modification outside of the tolerance, works must be stopped until an updated TGS is darited and approved by a PVII/IMP qualified person prior to works recommencing. (ITSW T-CAWS V4.1 - Sec. 7.10.4) - Any anomalies of inconsistencies found in the TGSs being used must be recorded and reported anomalies of inconsistencies found in the TGSs being used must be recorded and reported.

Any anomalies or inconsistencies for the PWZTMP qualified TGS designer ed back to

	Risk Assessment to develop a site specific ros					
#	Task	Hazard	Risk Rating	Control Measures	Residule Risk Rating	Staff responsible for control measures
1	Implementation of approved traffic control devices	Struck by vehicle Manual Handling Slips, Trips & Falls Cuts & Abrasions	4 B	Follow safe wark methods outlined in SWMS Set up off drop deck, use cover vehicle & or INA of all times - Clear communication with spotter/driver with potential oncoming motorists - Must use fall restraint when on drop deck	3C	All Site Staff
2	Working on foot implementation of delineation devices as per TGS	Struck by vehicle Manual Handling Slips, Trips & Falls Cuts & Abrasions	4 B	Follow safe work methods outlined in SWMS - Set up off drop deck, use cover vehicle & or TMA at all linnes -Clear communication with sportler/driver with potential oncoming motorists	3C	All Site Staff
3	Stopping traffic at Control Point or cross over points	Struck by vehicle Slips, Trips & Falls	4 C	Only stop traffic with approved PCTD Select safe stopping distance Ensure correct amount of TC's are onsite to safely & effectively manage traffic flow as per TGS TC'S MUST HAVE ESCAPE ROUTE	3D	All Site Staff
4	Handling irritated and upset motorists and other road users	Struck by vehicle Verbal, Physical, Mental Abuse	3C	Do not engage with irate MOP/ Motorist Report incident to TL immediately Descalate the situation by continuing with your duties, until TL or representative is available to handle the situation - TCS MUST HAVE ESCAPE ROUTE	3D	All Site Staff
5	Pedestrians within work zones & exclusion zones	Struck by vehicle Verbal, Physical, Mental Abuse Slips, Trips & Falls	4 B	- Set up clear exclusion zones for MOP & WOF, around works zones - Where practical us physical barrier or delineation to guide MOP / WOF safely around exclusion zone - Ensure the correct amount of TC's are onsite to effectively manage the work site	3C	All Site Staff
6	Performing Dynamic Works (Mobile Works) Including set up & Pack down	Vehicle collision Vehicle Interaction with WOF / MOP	4 C	Abide by safe distances outlined In TCAWS V 6.1 between vehicles Use Cover/Tal/Ahadow vehicle & Or TMA where possible A void WOF If possible - Avoid WOF If possible - Folow Safe Work Methods outlined In SWMS	4 D	All Site Staff

Risk Assessment to develop a Site Specific TGS

	CONSEQUENCES							
		1. Insignificant	2. Minor	3. Major	4. Severe	5. Catastrophic		
õ	A. Almost Certain	Medium (1A)	High (2A)	Extreme (3A)	Extreme (4A)	Extreme (5A)		
LIKELIHOOD	B. Likely	Medium (1B)	High (2B)	High (3B)	Extreme (4B)	Extreme (5B)		
Ľ	C. Possible	Low (1C)	Medium (2C)	High (3C)	High (4C)	Extreme (5C)		
	D. Unlikely	Low (1D)	Low (2D)	Medium (3D)	High (4D)	Extreme (5D)		
	E. Rare	Low (1E)	Low (2E)	Low (3E)	Medium (4E)	High (5E)		
4 Extreme		URGENT - Stop work immediately, the risk requires immediate attention						
3 High		Continue with supervision and control measures in SWMS or site risk assessment						
2 Medium		Use control measures to ensure risk is low as reasonably possible						
1 Lo	w	Use control measures to keep risk low						

Site Specific Notes Traffic Controllers have to ensure that signs that are not need for

- aftercare TGSs are covered as per TfNSW TCAWS V6.1 Sec. 7.10.1
- The speed of traffic SHALL be reduced to 40 km/h when workers on foo are closer than 1.5m to traffic as per TFNSW - TCAWS V6.1 - Sec. 4.3.5. Table 4-3.
- A PTCD sign relevant to the device used, such as Boom Barrier symbolic (T1-272n) or Signals symbolic sign (T1-30), or a Traffic Controller symbolic sign (T1-34) must be used to give advance warning of the presence of
- traffic control. A PREPARE TO STOP (T1-18) sign must also be used when traffic is required to stop at the traffic control location. The above signs must only be used when the traffic control is in operation and must be removed or covered up when traffic control is discontinued or during
- breaks, such as lunch as per TfNSW TCAWS V6.1 Sec. 5.4.3, Table 5-11.
- Access to local businesses and driveways will be maintained during works. Unless otherwise shown on the TGS(s) and site specific note It is the Principal Contractors responsibility to seek permission prior to blocking public and private access.
- Access to bus stops to be maintained whenever possible. Any impact to bus services such as bus stops within the TTM or the closure of bus lanes
- require the approval of the relevant bus companies.
- Standard (700mm) cones must be positioned at a maximum spacing of 4m when traffic speed is < 55km/h and on all approaches to a traffic contro position (centreline or edge line) as per TfNSW - TCAWS V6.1 - Sec. 6.2.5, Table 6-2
- Signs should be duplicated for all lane status signs regardless of the vpd as per TfNSW - TCAWS V6.1 - Sec. 6.5.6 and all speed zone signs as per TfNSW - TCAWS V6.1 - Sec. 4.5.5
- As per T(NSW TCAWS V6.1 Sec. 4.6.3 where the maximum queue length can be predicted in advance, the primary PREPARE TO STOP sian must be located such that the distance from this sian to the end of the
- queue is not less than D, see Figure 4-4. The B size PREPARE TO STOP sign should be used in this application. The distance may need to be adjusted if the queue length proves to be
- underestimated. If the primary PREPARE TO STOP sign needs to be placed more than 4D, approximately 15 seconds of travel time from the control point, repeater PREPARE TO STOP signs at intervals of not more than 4D should be provided between that point and the control point to provide for conditions after the queue has dispersed. In any relocation of the primary PREPARE TO STOP sign, the distance D to the roadwork ahead sign must
- be maintained. A minimum lane width of 3m have to be maintained for traffic speeds < 65km/h
- 0. In accordance with Section 8.2 Record keeping of TTM documentation, roadwork speed zones must be inspected and associated documentation examined on a regular basis. The ITCP qualified person must ensure that speed restriction sians are properly erected, conflicting sians are covered and advance signs are in place, when inspecting the traffic control on the site

Implementation Instructions

Before work commences, signs and devices at the approaches to and within the work area SHALL be implemented in accordance with the approved Traffic Guidance Schemes and the Traffic Control Companies Safe Work Method Statements, in the following sequence: 1) Traffic Controllers implementing signage are to ensure all signage is

- available for implementation prior to shift. 2) Signs & devices in side streets leading into the works are to be
- implemented first. Where required, detours are to be in place before commencing any closures.
- 3) All signage on arterial and main road alignments to be implemented with the flow of traffic.
- 4) Signs are to be implemented in all non affected lane(s) first and all conflicting signs are to be covered.
- 5) Signs in the affected lane to be implemented; Taper, Speed Reduction, Safety buffer (if applicable), and Delineation to be implemented with the traffic flow. Conflicting signs to be covered in process.
- 6) Ensure signs & devices are correct before works commence. Once works have finished, Traffic Control are to pick up delineation and taper's in reverse. Then pick up advance warning signs with the flow of
- 8) A TGS must be installed, maintained and removed in a planned and safe manner. The implementation of a TGS must only be undertaken by an ITCP qualified person. (TfNSW - TCAWS V6.1 - Sec. 7.10.1)
- 9) Signs and traffic control devices must be installed in a sequence via GPS, survey, landmarks, side streets or chainage in accordance with TCAWS V6.1 - Sec. 6.4 and AGITM Sec. 6.2
- 10) An implementation TGS should be provided if the risk of implementation is deemed high. The sequence of implementation should be determined as part of the drafting process in TGS or SWMS, rather than being determined on-site. (TfNSW - TCAWS V6.1 - Sec. 7.10.2)

		Designed by:	Harpreet Singh	Designed by:	Ronak Gandhi	Legend:
	þ	Qualification No:	TCT0028419	Qualification No:	TCT0063633	▲ Cone
		Role: Senior Plar	Project Iner	^{Role:} Planning Man		🛚 Work Area
		Signature:	dt Sam	Signature:	you with a	
	R	Implementer Nan	ne:	Implementer Quo	lification No:	
				TCT		

2

Use control measures to keep risk low					
Compliance Notes: 1. All TGSs are in accordance with	z	REV	Description		
TfNSW - TCAWS V6.1 & Austroads Guide to Temporary Traffic Management 2019	REVISION	00	sent to client		
 Recommended taper lengths TfNSW - TCAWS V6.1, Table 7-3 Sign spacing 	RE	01			
Austroads TTM, Part 3: Table 2.2 4. Recommended sight distances to de Austroads TTM, Part 3: Table 2.3	evices Review	Review Date: 10/07/2023			
 Traffic controller min. sight distance TfNSW - TCAWS V6.1, Table 5-13 End-of queue management TfNSW - TCAWS V6.1, Sec 4.6 	North (North Code:			
7. Spacing of cones and bollards TfNSW - TCAWS V6.1, Table 6-2	Sign Ty	Type: Swing Stand			

	Static Works	Single Shift	weathertex
	Shift TTM Inspections:		Project Description:
after installation -> every 2h			Development to the instance of



N/A

Speed Limit: /2023 50 km/h Work Location 22 Mccarrs Creek Road, Map Reference: Scale: Church Point **Bing Satellite** 1:500 ssue Date age No.: Drawina No MP Reference No

Client

Duration:

Ivpe of TTM:

10/07/2023