### **Works Access Permit**

Registration Number: **E992644** 

Utility Reference: Global - Non Excavation



### 1. Details of Proposed Work

Activity: Asset Inspections/Maintenance, Chambers Access, Drainage Works, Manhole

Maintenance, Meter Maintenance, Survey, Other (Specify Detail) Address: 838 Fergusson Drive, Upper Hutt Central, Upper Hutt, 5218

Location in road: Carriageway, Footpath, Berm, Nature Strip WAP valid period: 01 January 2024 to 31 December 2024

### 2. The Parties

Upper Hutt City Council being a body corporate in accordance with the Local Government Act 2002 ('the Corridor Manager;')

Wellington Water Alliance being an approved Utility Operator in accordance with submitting a request for access in accordance with that act;

Wellington Water Alliance being the agent of the Utility Operator submitting this request on behalf of the Utility Operator and in accordance with the Utility Operator's statutory rights ('the Applicant').

### 3. Attachments

Attachment 1 being the Schedule of Reasonable Conditions.

Attachment 2 being plan TMP showing the agreed service location.

### 4. Background

- (a) The Utility Operator wishes to carry out the works stated on CAR Number E992644 and thereafter maintain the utility services established in the corridor;
- (b) The Corridor Manager is required to provide a written consent in accordance with its governing legislation and to provide a schedule of reasonable conditions, if required, by the utility legislation under which the request for access has been made; and
- (c) In accordance with the Code: Utilities' Access to the Transport Corridors and on behalf of the Corridor Manager, I give my written consent for access to the corridor at the agreed location and attach my schedule of reasonable conditions:
- (d) In the case of State highways this Works Access Permit serves as the approvals required under sections 51 and 78 of the Government Roading Powers Act.

Signed	Keller .		Date	21/12/2023	
Phil Gollin	gs acting pursua	ant to delegated aut	thority.		
FOR Corri	dor Manager APF	PROVAL USE ONLY			
Time Spe	nt Processing:				
	Approved Contractor	Route Plan Submitted	V	TMP Submitted	Stockpiling Arrangements



### **CONDITIONS**

### **General Conditions**

- 1. The Utility Operator must:
  - (a) carry out all Work in Transport Corridors in accordance with the Code and KiwiRail's Specifications for Working in Railway Corridors;
  - (b) undertake all Works in compliance with the Acts of Parliament and mandated codes of practice that relate to their industry and the type of Work described within the plans and methodology submitted;
  - (c) install assets more or less in the location shown on the attached plans, and agree the exact location and position with the Road Corridor Manager before Work commences;
  - (d) locate any Utility Structures in the Road Corridor in the agreed position shown on the drawings and clear of the Carriageway, Road Corridor furniture and kerbs, drains, manholes, etc. Utility Structures agreed to be within the trafficable part of the Road are to be flush with the surface and designed to withstand full heavy Traffic loading (NZTA's HN-HO-72 Traffic Loading);
  - (e) provide a full description of the construction methodology, reinstatement, resurfacing and compaction and agree this with the Road Corridor Manager prior to Work commencing;
  - (f) make the Works available at all times for inspection by any person representing the Road Corridor Manager;
  - (g) if requested, pay the reasonable costs of the Road Corridor Manager in connection with the processing of this notice and for the monitoring and auditing of the Works; (See NZ Transport Agency Cost Structure under Clause 23)
  - (h) keep a full copy of the Works Access Permit/ Permit to Enter and Reasonable Conditions on the Work Site at all times during the Works;
  - (i) undertake remedial action on non-conforming Work within the timeframe set by the Road Corridor Manager, where reasonable and practicable;
  - (j) gain all the necessary consents, approvals and permits from the relevant statutory and regulatory authorities at its own cost;
  - (k) keep plans of the installed Work and make them available to the Railway Corridor Manager (in all cases) and Road Corridor Manager (on request);
  - (I) compensate the Road Corridor Manager for any damage or costs incurred to the Road Corridor due to the Work or for costs resulting from the removal of abandoned installations, Utility Structures, components and equipment that belong to the Utility Operator;
  - (m) repair all Road Corridor assets damaged as a result of the Works, should the Road Corridor Manager determine these are necessary prior to the end of the Warranty period;
  - (n) restore to their original condition any surface or Utility Structure that was damaged or removed as a result of the Works;
  - (o) control the surface water channels so as to cause minimal interference to existing flows;
  - (p) fully restore the surface water channels at the completion of the Works;

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(q) notify the Road Corridor Manager of any maintenance Work it proposes to undertake within the two-year Warranty period, PROVED

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Upper Hutt City Council

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CAR Number: E992644

- (r) have in place an approved TMP for Roads and Motorways at least two days prior to Work commencing on the Work Site;
- (s) provide the Road Corridor Manager with two Working Days' notice before commencement of Work on the Work Site;
- (t) ensure that the Work is carried out under the control of a warranted supervisor as required by the Code of Practice for Temporary Traffic Management and ensure that there are sufficient people on site specifically to control the flow of Traffic through the site in accordance with the TMP;
- (u) comply with instructions from an officer of the NZ Police Traffic Safety Branch or a duly authorised agent of the Road Corridor Manager in respect of Traffic management and safety;
- (v) complete Works in the Road Corridor in one continuous operation (suspension of Works over five continuous days requires the prior written permission of the Road Corridor Manager);
- (w) protect and maintain all Road Corridor signs, markers, signals, barriers and associated marking and replace them to the appropriate industry standard where they have been damaged by the Works;
- (x) complete and submit a Works Completion Notice form when the Works are complete; and
- (y) stop Work as necessary to meet the requirements of section 42 of the Heritage New Zealand Pouhere Taonga Act 2014.
- 2. Work must not take place on or near a State highway during and one day either side of a public holiday or public holiday weekend.
- 3. Where otherwise required due to Traffic volumes or specific residential or Central Business District requirements, the hours of Work must be as specified in the Local Conditions and Special Conditions.
- 4. The Warranty period starts from the date the Road Corridor Manager has given signed acceptance that the Work is complete or otherwise as provided in Section 4.7.1.7 of the Code.
- 5. Unless the Works stated in the WAP have started on the Work Site, the agreement relating to the Works will only remain valid for six months from the date of approval on the Works Access Permit.
- 6. The Road Corridor Manager must manage all applications relating to Road Corridor access in accordance with the timeframes and processes in the Code.
- 7. The Corridor Manager may:
  - (a) assess the suitability of any action proposed by the Utility Operator during the Warranty period and impose Reasonable Conditions that will maintain the integrity of the Road assets;
  - (b) arrange for remedial Work to be done and recover the costs incurred from the Utility Operator, if the Utility Operator fails to take action within the agreed timeframe; and
  - (c) instruct the Utility Operator to stop Work and leave the Work Site (having made the site safe) if the Works are not complying with the relevant Reasonable Conditions including any plans, relevant conditions or specifications contained in the Code, or permission requirements.

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- 8. In granting this WAP, no vested right is created.
- 9. This WAP is not transferable without the written permission of the Road Corridor Manager.

### **Local Conditions**

- 10. Refer to THE NATIONAL CODE OF PRACTICE for UTILITY OPERATORS ACCESS to TRANSPORT CORRIDORS and THE HUTT VALLEY LOCAL CONDITIONS
- 11. Cement stabilised basecourse to be used in trench.
- 12. As work is in CBD boundary TMP must be sent to Roading Inspector for approval before any physical work can begin.
- 13. Active traffic control at all times that work is taking place.
- 14. All temporary traffic signs and cones must be up before any physical work can begin.
- 15. When site is unattended over night all reasonable precautions must be made to ensure there is no hinderance to public traffic.
- 16. Compaction results to be loaded to CAR
- 17. photos of trench reinstatement to be loaded to CAR

### **Special Conditions**

- 18. FINISH HEIGHT OF PAD MUST BE LEVEL WITH SURROUNDING SURFACES.
- 19. NO DEBRIS FROM EXCAVATION TO BE LEFT ON SITE.
- 20. NO STOCKPILING OF MATERIAL ON SITES UNLESS AUTHORISED BY CORRIDOR MANAGER.
- 21. CEMENT STABILISED BASECOURSE TO BE USED IN TRENCH DIRECTLY IN FRONT OF VEHICLE CROSSING.
- 22. FULL WIDTH OF FOOTPATH TO BE REINSTATED.
- 23. FULL REINSTATEMENT OF NEW VEHICLE CROSSING UP TO BOUNDARY.

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#### **CAR UHCC Full Scope of Works Utility**

#### Utility

				tility					
Company	Wellington Water								
Contract Manager	Tim Harty	Tim Harty							
Phone		021 451 1	021 451 104						
Email		Tim.harty	@welling	tonwater.co.nz					
			Con	tractor					
Company		Wellingto	n Water a	alliance					
Contract Manager		Valitha Ro	os						
Phone		021 510 9	23						
Email		Valitha.ro	os@welli	ngtonwater.co.nz					
				ontractor					
Company									
Name									
Phone									
Email									
Type of Work						Minor Non-	х		
(Tick)						Excavation			
Location Road	Carr	iageway	x	Footpath	х	Berm	х		
(Tick)	Carr	lageway				Deriii			
				Location					
Physical Address		V	arious Lo	cations / Streets with	in Up	per Hutt City Region			
	T		Work P	rogramme					
Start Date 01/01/2024		024		Completion Date	3	31/12/2024			
Duration of Work	24/7			Day / Night	3	366			
	_		Hours	s of work					
Start Time				Finish Time					
			Description	on of Activity					
Non aveauation wor	lea mat maa	dina sita sas	-: £:						

#### Non excavation works not needing site specific:

• All work carried out may involve having 1 to 2man onsite including sub-contractors.

### ALL ROAD CLOSURES MUST HAVE RCA / TMC APPROVAL

All Night Works must have Noise Control Approval before the work can start. 6:00pm – 7:30am Mon-Sat, All time Sunday & Public Holidays

Note: All project works, or other work not covered under the Generic Tmp / Tmd will need site specific.

Confirmation is required from RCA to see if Generic covers main arterial roads or suburban shopping areas, Site Specific TMP maybe required.

Only approved contractors listed on Tmp are covered under Global Car.
ALL CONTRACTORS ARE TO NOTIFY THE RCA PRIOR TO CARRY OUT THEIR WORK ACTIVITY.

#### This work will cover inspections / maintenance / locates that can be completed on the same day.

- Locating council assets.
- Investigate any leaks to determine what may be required to carry out any repairs.
- Poor water quality needing to flush hydrants.
- Operation of hydrants and valves on the same day.
- Hydrant painting carried out annually.
- Flow meter testing, need to access chamber to carry out test.
- Leak detection surveys carried out by approved contractors AD Riley and Detection Services to locate leaks.
- Utility asset mark outs.
- 3 Water asset mark outs.
- Meter reading check if any issues with meters and carry out final readings.
- CCTV inspections.
- Checking condition of Wastewater / Stormwater assets.
- Smoke / Dye testing on Wastewater / Stormwater assets to identify inflow sources, defects and cross connections, this work can take between 2 4 hours and will cover set locations in each suburb.
- Installation and maintenance of monitoring equipment into manholes to measure flow and overflows from the Wastewater network.
- Lifting manhole covers to check assets running clear.
- Clearing Wastewater / Stormwater blockages.
- Regular hydrant flushing takes approx. 15 mins until run clear cleaning the lines.
- Regular fortnightly / monthly flushing for the 3 waters that can be completed within 3 to 6 hours.
- Culvert / intake clearing removing debris / trash that may impede the flow of water.
- Annual pit cleaning to prevent blockages and potential overflows, duration will take no longer than
   1.5 hours between 1am to 5.30am.

No work will be carried out on main arterial roads between 6am to 9am.

#### Crews and Sub contractors must adhere to the following:

- Ensure proper traffic and pedestrian management is in place.
- Set up correct Tmd to suit the work site.
- Safety induction is carried out as per RCP process.
- Ensure safety is always adhere to.
- Ensure all efforts are made to minimise disruption to residents, business, and pedestrians.
- Make sure relevant documents are onsite.
- Provide photos showing a wide street view of location.
- Photos of Work carried out.
- Clear notes of what work was carried out.
- Site is packed up and left clean and tidy.
- No car will need to be logged in Submitica when carrying out inspection work on same day.

#### Work Vehicles onsite at various stages of work but not limited to:

#### **Standard work crew:**

1 to 2 service vehicles equipped with beacons onsite along with any small plant and equipment to carry out inspections. Crews to set up own Tmd.

#### Service crews are equipped to set up the following Tmd's only.

Traffic management will be required if you do not carry correct signage.

CC1	F2.1
CC2	F2.2
CC3	F2.5
CC4	F2.6
CC5	F2.7
CC7	J2.16A
CC8	F4.10
CC9	ATMS07
CC10	
CC11	
CC12	

Sub-contractors are to follow the Tmd criteria above, or if you do not have correct signage to set up own Tmd. Any Tmd not listed above will require external traffic management.

#### **Extended crew when needed:**

- Traffic management vehicles if unable to set up own traffic.
- Hydro Vac Truck / Digger / Jet Flusher maybe utilised.

Site Specific TMP required depending on the work activities and impact. Works include:

- Entry to access Three Water Assets located at a major intersection, or within a live lane that will impact traffic flow.
- All works within State Highways.
- All works within KiwiRail property, prior approval is required.
- All works that impact bus stops, including relocation, will need a site TMP.
- All works that impact a school during school hours.
- Road closures.

This also includes works that may have an impact on traffic and project work taking more than 1 day.

- ANY STATE HIGHWAY WORKS WILL BE AT THE DISCRETION OF WAKA KOTAHI TMC.
- All Works approved by Waka Kotahi TMC Must then be notified to the traffic Operations centre (toc) prior to commencement and post work.
- WORKS ARE TO BE PLACED ON THE WEEKLY ROAD WORKS REPORT.

ALL COMPLETED WORKS MUST COMPLY TO WAP CONDITIONS AND ARE TO BE REINSTATED ACCORDING TO WTA STANDARDS.

Quantities of proposed Work (use meters, items, hours and minutes to indicate);

Length of trenching	Number of Cabinets/pedestals effected	
Length of Horizontal/Vertical Drilling	Number of Structures effected (fully explain in	
	description of work)	
Number of holes	Number of assets removed	
Number of Chamber/s effected	Duration of Road / Lane Closure (circle)	
	Hours / Days	
Number of Poles/Posts/Piles effected	Duration of Footpath diversion (circle)	
	Hours / Days	
Number of Car parks/bus stop/taxi stands	Duration of property access restricted (circle)	
affected for more than two hours	Hours / Days	

# Health and Safety Policy



#### Our Purpose

Creating excellence in regional water services for healthy communities

#### Our Vision

Our people, suppliers and affected parties go home healthy and safe

#### Our Reliefs

- · Health and safety is our top priority
- We look after ourselves; everyone takes personal responsibility for their own health and safety
- . We look out for each other, suppliers and the public; we make sure everyone is safe
- Wellington Water takes a methodical approach to health and safety; we continuously review our systems to
  ensure they are up-to-date and ensure that health and safety is foremost in infrastructure planning and design
- We're committed to health and safety at all times; nobody walks past an unsafe activity or work site we make it safe

#### Our Commitments

#### Leadership

- . We make sure our people work in a safe environment
- We make sure our work sites are safe for suppliers, neighbours and the general public
- We empower our people to manage health and safety in all situations and to stop unsafe acts as they happen;
   we make sure there's a safe working environment before work continues
- . We proactively identify and manage hazards and ensure safe behaviour
- We support the safe and early return to work of any of our people who are injured or sick, and support and follow up on anyone who is injured on a Wellington Water site
- We recognise staff and suppliers who practice excellence in health and safety

#### Systems

- We make sure our people have the training, skills and resources to work safely
- We ensure infrastructure managed by Wellington Water is designed, constructed, operated and maintained safely, and will remain safe for our people, suppliers and the community
- . We accurately record, investigate and report incidents and learn from them
- We monitor our health and safety performance and that of our suppliers as a basis for continuous improvement and identifying new and safer ways of working

#### Working with others

- Our suppliers are required to commit to our vision of our people and suppliers going home healthy and safe.
- We make sure all suppliers working on behalf of Wellington Water have high quality health and safety systems in place
- We comply with and exceed all relevant legislation, regulations, codes of practice and industry standards
- We interpret health and safety broadly and work with all stakeholders to achieve our health and safety vision.

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### People at the heart of everything we do

Living safely is how we go about every aspect of our lives; all day, every day. It is more than work, it is about integrating our work, home and interests, our desire to get the best out of life, and to be the best we can. It is recognising our strengths and weaknesses, and making positive choices that benefit our wellbeing and way of life, including those of others in the communities in which we live and work.

#### We will:

- · Demonstrate our commitment through active and visible leadership
- Abide by a simple safety management system that encourages health and safety ownership by each and every individual
- · Incorporate health and safety into the way we design, plan and do our work.
- · Work collaboratively with our subcontractors to meet the required health and safety standards
- . Enhance our health and safety skills and behaviours through training and development
- + Foster a culture of reporting, learning and sharing
- Be empowered to maintain a safe and healthy workplace
- · Promote a positive health and wellbeing mindset
- · Meet or exceed relevant standards and legal requirements
- · Set measurable objectives and targets to ensure continual improvement

C W Bruyn Managing Director





# **ROAD SPACE BOOKING**

Address:					
Contractor:					
Dates & Times (attended):	From:			То:	
Dates & Times (unattended):	From:			То:	
Generic TMP used:					
Diagram (s) used:					
CAR#					
Work A	ctivity an	nd Reason	s TTM to re	amain ir	nlace:
WOIRA	ctivity an	iu iteasori	13 1 1 W CO 16	ziiiaiii ii	i piace.
Contractor Name:					
Contractors Signature:					
TMC Approval:					

Please attach photos of site active site set up (these photos are to include both ends of the site (inclusive of any side roads), pedestrian/cycle management and the working area.





#### TRAFFIC MANAGEMENT PLAN (TMP) - FULL FORM

Use this form for complex activities. Refer to the NZ Transport Agency's Traffic control devices manual, part 8 Code of practice for temporary traffic management (CoPTTM), section E, appendix A for a guide on how to complete each field.

TMP reference: Organisations ATMS 2023-390		Contractor (Working space): As per attached list	Principal (Client): Wellington Water				
/TMP reference		Contractor (TTM): As per attached list	RCA: Upper Hutt City Council				
	Dood some and Cubusts		Hous	House no./RPs		Spood Limit	
Location details and road	Rua	Road names and Suburb		From and to		Speed Limit	
		lpper Hutt City Region	Various		01	30/40/50/60 /70/80km/h	
	AADT			Peak flows			
	Various		Start 5:30am			End	
Traffic details (main route)						9:00am	
,			PM 4:00pm			7:00pm	

#### Description of work activity

1Non excavation works not needing site specific:

All work carried out may involve having 1 to 2man onsite including sub-contractors.

### ALL ROAD CLOSURES MUST HAVE RCA / TMC APPROVAL

All Night Works must have Noise Control Approval before the work can start. 6:00pm – 7:30am Mon-Sat, All time Sunday & Public Holidays

Note: All project works, or other work not covered under the Generic Tmp / Tmd will need site specific.

Confirmation is required from RCA to see if Generic covers main arterial roads or suburban shopping areas, Site Specific TMP maybe required.

Only approved contractors listed on Tmp are covered under Global Car.

ALL CONTRACTORS ARE TO NOTIFY THE RCA PRIOR TO CARRY OUT THEIR WORK ACTIVITY.

This work will cover inspections / maintenance / locates that can be completed on the same day.

- Locating council assets.
- Investigate any leaks to determine what may be required to carry out any repairs.
- Poor water quality needing to flush hydrants.
- Operation of hydrants and valves on the same day.
- Hydrant painting carried out annually.
- Flow meter testing, need to access chamber to carry out test.
- Leak detection surveys carried out by approved contractors AD Riley and Detection Services to locate leaks.
- Utility asset mark outs.
- 3 Water asset mark outs.
- Meter reading check if any issues with meters and carry out final readings.
- CCTV inspections.

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Section E appendix A. Traffic management plans

- Checking condition of Wastewater / Stormwater assets.
- Smoke / Dye testing on Wastewater / Stormwater assets to identify inflow sources, defects and cross

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connections, this work can take between 2 – 4 hours and will cover set locations in each suburb.

- Installation and maintenance of monitoring equipment into manholes to measure flow and overflows from the Wastewater network.
- Lifting manhole covers to check assets running clear.
- Clearing Wastewater / Stormwater blockages.
- Regular hydrant flushing takes approx. 15 mins until run clear cleaning the lines.
- Regular fortnightly / monthly flushing for the 3 waters that can be completed within 3 to 6 hours.
- Culvert / intake clearing removing debris / trash that may impede the flow of water.
- Annual pit cleaning to prevent blockages and potential overflows, duration will take no longer than 1.5 hours between 1am to 5.30am.

No work will be carried out on main arterial roads between 6am to 9am.

#### Crews and Sub contractors must adhere to the following:

- Ensure proper traffic and pedestrian management is in place.
- Set up correct Tmd to suit the work site.
- Safety induction is carried out as per RCP process.
- Ensure safety is always adhere to.
- Ensure all efforts are made to minimise disruption to residents, business, and pedestrians.
- Make sure relevant documents are onsite.
- Provide photos showing a wide street view of location.
- Photos of Work carried out.
- Clear notes of what work was carried out.
- Site is packed up and left clean and tidy.

#### Vehicles onsite at various stages of work but not limited to:

#### Standard work crew:

1 to 2 service vehicles equipped with beacons onsite along with any small plant and equipment to carry out inspections. Crews to set up own TMD.

#### Service crews are equipped to set up the following **Tmd's** only.

Traffic management will be required if you do not carry correct signage.

CC1	F2.1
CC2	F2.2
CC3	F2.5
CC4	F2.6
CC5	F2.7
CC7	J2.16A
CC8	F4.10
CC9	ATMS07
CC10	
CC11	
CC12	

Sub-contractors are to follow the TMD criteria above, or if you do not have correct signage to set up own TMD. Any TMD not listed above will require external traffic management.

### Extended crew when needed:

- Traffic management vehicles if unable to set up own traffic.
- Hydro Vac Truck / Digger / Jet Flushermaybe utilised / F

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#### WHEN ARE SITE SPECIFIC TMP'S NEEDED:

Retrospective Site Specific TMP required depending on the work activities and impact. Works include:

- Entry to access Three Water Assets located at a major intersection, or within a live lane that will impact traffic flow.
- All works within State Highways.
- All works within KiwiRail property, prior approval is required.
- All works that impact bus stops, including relocation, will need a site TMP.
- All works that impact a school during school hours.
- Road closures.

This also includes works that may have an impact on traffic and project work taking more than 1 day.

- ANY STATE HIGHWAY WORKS WILL BE AT THE DISCRETION OF WAKA KOTAHI TMC.
- All WORKS APPROVED BY WAKA KOTAHI TMC MUST THEN BE NOTIFIED TO THE TRAFFIC OPERATIONS CENTRE (TOC) PRIOR TO COMMENCEMENT AND POST WORK.
- WORKS ARE TO BE PLACED ON THE WEEKLY ROAD WORKS REPORT.

ALL COMPLETED WORKS MUST COMPLY TO WAP / CONDITIONS AND ARE TO BE REINSTATED ACCORDING TO WTA STANDARDS.

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Section E appendix A. Traffic management plans





Planned work program	mme							
Start date	01/01/2024	Time	See Below	End date	31/12/2024	Time	See Below	
Consider significant stages, for example:  • road closures  • detours  • no activity periods.	Residential Roads Installation: 7:00am – 7:30am or whenever site is installed. Site Active: 7:30am – 17:30pm Site Removal: 17:30pm – 18:00pm NIGHTWORKS ARE NOT PERMITTED IN RESIDENTIAL AREAS							
		Main Road  Installation: 9:00am -9:30am or whenever site is installed  Site Active: 9:30am – 15:30pm  Site Removal: 15:30pm – 16:00pm  Installation: 19:00pm – 19:30pm or whenever site is installed  Site Active: 19:30pm – 5:00am  Site Removal: 5:00am – 5:30am						
	Works near schools  No work to be completed between school drop off & pick up times: Between 8.30am – 9.30am & 2.30pm – 3.30pm  This TMP is to cover 1 day attended non - excavation works.							
	<ul> <li>Road Space Booking MUST include: <ul> <li>Location/Address</li> <li>Dates/Times of works – attended</li> </ul> </li> <li>TMP &amp; Diagram(s) used</li> <li>Reasons for works/TTM remaining in place, longer than 1 day</li> <li>Photos of the active site set up (these photos are to include both ends of the site (inclusive of any side roads), pedestrian/cycle management and the working area.</li> </ul>						e of any	
A site specific TMP is required for/when:  The generic TMD does not suit/fit the site A road closure or one way system (partial road closure) Removal of mobility parking Bus lane only closed Roads of Significance Unattended sites required  Plans F2.16 and F2.4 must be approved by TMC. Any changes to the approved TMP must be documented on the Onsite Record.								

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Section E, appendix A. Traffic management plans
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#### Parking Restrictions:

Parking restrictions will be installed where required 12-24hrs prior to works commencing. Parking restriction signage is to show actual work times and dates.

INFORMATION ONLY: - vehicles may require towing.

Upper Hutt City Council to be contacted 04 527 2169

All related towing fees will be directed to the contractor. Towing authority is not approved as part of the TMP process.

#### Kerb Side Collection:

Kerb side collection occurs Monday to Friday. Refer to the attached kerb side collection schedule. Works to halt when kerb side collection vehicle is working in the area or onsite personnel to assist with the collection.

- A risk assessment is to be applied prior to selecting/installing TMDs.
- Checking-process-for-GTMPs checklist form (attached) is to be completed prior to using the GTMP.

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Type of road	On shoulder or roadside – no time limit	On live lane – up to 5 minutes	Over 5 minutes	
Low volume (less than 500vpd) category A or B road environment		a practising STMS of any category, and in the interim until the warrants		
Category A	Spotter optional – can be one person activity	Spotter required – minimum two person activity		
	Onsite control must be by either practising TMO or Inspector (and phased out):	oractising STMS of any category, in the interim until the warrants are		
	Road level	Onsite control		
	Level 1 road	TC, TC-Inspector or STMS		
	Level 2 road	L2/3 STMS, STMS-NP, or TC- Inspector	Inspection not	
Category B	Spotter optional – can be one person activity	Spotter required – minimum two person activity	permitted.	
	Onsite control must be by either a a practising TMO or an Inspector are phased out:	Must use a mobile, semi- static, or static closure.		
	Road level	Onsite control	Ciusuie.	
	Level 1 road	TC, TC-Inspector or STMS		
	Level 2 road (shoulder, roadside or on the lane with speed 60km/h or less)	L2/3 STMS, STMS-NP or TC- Inspector		
	Level 2 road (on the lane with speed 70km/h or more)	L2/3 STMS or STMS-NP		
Category C	Spotter optional – can be one person activity: Onsite control must be by either a practising STMS (C) or an Inspector (and in the interim until the warrants are phased out, a L2/3 STMS, STMS-NP, or TC-Inspector).	Inspection not permitted. Must use a mobile, semi-static, or static closure.		

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Section E, appendix A. Traffic management plans
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Traffic control devices manual part 8 CoPTTM





#### General rules (apply to all the above)

Inspectors must move to avoid traffic. They must not expect traffic to move or slow down to avoid them.

There must be CSD to the Inspector when on the live lane.

On busy roads where traffic volumes and speed affect access to the live lane, peak periods should be avoided or a higher level of TTM considered.

Crossing a level LV, 1 or 2 road does not constitute being on a live lane but crossing a level 3 road does, unless a pedestrian crossing facility is being used.

#### Vehicle

Advance warning in the form of an inspection vehicle fitted with one and preferably two amber flashing beacons and a rear-mounted sign indicating the type of activity taking place must be positioned in advance of the inspection site.

A vehicle is not required on a level LV or level 1 road with a permanent speed of less than 65km/h if the inspector remains on a footpath.

On roads with a permanent speed of less than 65km/h an amber flashing beacon is not required on the vehicle if the inspector or non-invasive works is on an unsealed shoulder (or further away from the carriageway - including a footpath).

#### Spotter

A spotter is not required for inspections and non-invasive works on level LV roads.

Unless otherwise approved by the RCA, all inspections on the live lane of level 1 and level 2 roads require a spotter. The RCA may provide a list of level 1 roads, times and/or activities suitable for inspection by a single inspector (eg where no level LV roads have been declared by the RCA)

Where an unaccompanied inspector is not able to maintain adequate attention (eg due to work tasks or poor visibility), a spotter will be required or another type of traffic management operation used.

Alternative dates if activity delayed

N/A – works will be carried out within the times/dates as listed.

Road aspects affected (delete either Yes or No to show which aspects are affected)						
Pedestrians affected?	Potentially   Property access attected 2   Po			Traffic lanes affected?	Potentially	
Cyclists affected?	Potentially	Restricted parking affected?	Potentially	Delays or queuing likely?	Potentially	

Proposed traffic management methods

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Section E. appendix A. Traffic management plans

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- STMS to contact Metlink (0800 801 700) for any works including installing a TSL on a bus route or impacting bus stops 30mins prior to installation.
- STMS to contact WTOC (0800 869 286) for any works affecting or close to traffic signals 30 mins prior to installation.

Once on site, the TMP will be implemented as follows:

- Identify public safety and site safety hazards and how they will be addressed and place on the hazard document for 'toolbox' briefing
- STMS to check the TMP is appropriate to the worksite.
- All vehicles are to have correct signage and flashing beacons. They also need to have continuous and appropriate communication with the STMS and each other on an agreed channel at all times
- Work vehicles required on site will be parked within the site or parked legally nearby.
- Mobile Operations or inspection activities may be required to turn on/off water valves.

Installation (includes parking of plant and materials storage)

#### Layout Procedure

Installation of the site will be done under a level 1 mobile closure with appropriate work vehicles and crew.

- 1. A site drive through will be conducted first to confirm layout, conditions and environment are all appropriate for works to proceed.
- 2. Vehicle positioning will be as far to the left as practical and the installation vehicle will be stationary at the installation of each sign, with activity occurring only on the non-traffic side of the vehicle.
- 3. Advanced warning signage will be installed first on the left, followed by progressive signage installation in a 'loop' fashion around the site area.
- 4. Once ALL signage for the site has been installed delineation and direction signage will be installed in the following order;
  - a. Longitudinal Delineation (Along the lane)
  - b. Tapers (Shifting) & RD6 signage
  - c. Tapers (Merging) & RD6 signage

Once all delineation is installed and prior to personnel, vehicle, plant and machinery populating the worksite, a drive through check must be performed by the STMS to ensure the site has been set up as per the selected TMDs, this should include the checking of worksite layout distances.

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Section Pappendix A. Traffic management plans



Attended (day)

RCA consent (eg CAR/WAP) and/or RCA contract reference An STMS or delegated TC/TMO must be onsite at all times. TC/STMS to assist pedestrians/cyclists/driveways and any resident/business driveways. For Stop/Stop and Stop/Go setups, cyclists will be sent prior to any vehicles. STMS/TC will complete 2 hourly site checks and document on the onsite record. Where Mobility Parking are affected alternative to be provided (same side of road, as close as possible), TM personnel to assist and guide users as required Works near Signals: Any affected signal loops must be notified to WTOC during the pre-installation call to allow them to adjust signal management. Works near Pedestrian Crossings: TC's to guide pedestrians through/around the closure. Works near a Bus Stop: Bus stop integrated into MTC Stop Point TC's on stop/go are to stop each bus and assist with loading & unloading of passengers as required. Bus stop signage is to direct pedestrians towards the stop point Bus stop relocated away from site Bus stop signage is be placed to show patrons where the relocation is. TM personnel to assist and guide bus patrons as required Temporary bus stop signage is to be used Parking restrictions are to be in place at the relocated bus stop Works near a School: No work to be completed between school drop off & pick up times: Between 8.30am - 9.30am & 2.30pm - 3.30pm An STMS or delegated TC/TMO must be onsite at all times. TC/STMS to assist pedestrians/cyclists/driveways and any resident/business driveways. For Stop/Stop and Stop/Go setups, cyclists will be sent prior to any vehicles. STMS/TC will complete 2 hourly site checks and document on the onsite record. Additional lighting may be required/supplied. Noise will be kept to a minimum where possible. Where Mobility Parking are affected alternative to be provided (same side of road, as close as possible), TM personnel to assist and guide users as required Works near Signals: Any affected signal loops must be notified to WTOC during the pre-installation call to allow them to adjust signal management. Works near Pedestrian Crossings: TC's to guide pedestrians through/around the closure. Works near a Bus Stop: Bus stop integrated into MTC Stop Point TC's on stop/go are to stop each bus and assist with loading & unloading of passengers as required.

Attended (night)

Bus stop signage is to direct pedestrians towards the stop point

Bus stop relocated away from site

- Bus stop signage is be placed to show patrons where the relocation is.
- TM personnel to assist and guide bus patrons as required
- Temporary bus stop signage is to be used
- Parking restrictions are to be in place at the relocated bus stop

An unattended site is not required for non-excavation works. Unattended (day)

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Section E, appendix A. Traffic management plans





Unattended (night)	An unattended site is not required for non-excavation works.
Detour route	A detour route is not required or approved in the TMP



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	Does detour route go into another RCA's roading network? No  If Yes, has confirmation of acceptance been requested from that RCA? No  Note: Confirmation of acceptance from affected RCA must be submitted prior to occupying the site.						
	STMS to contact Metlink (0800 801 700) upon site removal						
	STMS to contact WTOC (0800 869 286) upon site removal.						
Removal	Work plant / vehicles to be removed from site before closure is removed  Removal of the site will be done under a level 1 mobile closure with appropriate work vehicles and crew.  1. Workspace delineation to be removed first (by either removing to the kerb for later collection or directly onto a stationary working vehicle)  2. Centreline delineation may now be removed using the same method as installation  3. Once all delineation is removed – sign removal may commence in a clockwise 'loop' fashion (leaving advanced warning signage in place till last)						
	4. A full site check being conducted prior to site departure.						
	The STMS will carry out the final check before leaving the site.						

Proposed TSL:	s (see TSL decision matrix for guidance)			
	TSL details as required Approval of Temporary Speed Limits (TSL) are in terms of Section 7 of Land Transport Rule: Setting of Speed Limits 2022. (List speed, length and location)	Times (From and to)	Dates (Start and finish)	Diagram ref. no.s (Layout drawings or traffic management diagrams)
Attended day/night	A temporary maximum speed limit is hereby fixed for motor vehicles travelling over the length of situated between (house no./RP) and (street or road name)  STMS to document on the Onsite Record daily.	7am – 6pm Or 9am – 4pm Or 7pm – 5:30am	01/01/2024 - 31/12/2024	F2.11, F2.12, F2.13, ATMS02, F2.14, ATMS04, F2.22, F2.15, F2.16, F2.17, F2.18, F2.19, F2.20, F2.21, F2.30, F2.31, F2.8, F2.9, ATMS03, J2.19a, J2.20a, J2.20b, J2.20c, J2.20d, J2.20e,
Unattended day/night	A temporary maximum speed limit is hereby fixed for motor vehicles travelling over the length of situated between (house no./RP) and (house no./RP) on (street or road name)	N/A	N/A	N/A
TSL duration	Will the TSL be required for longer than 12 months?  If yes, attach the completed checklist from section I-18: 6  Processes for TSLs to this TMP.	Guidance on TMP I	Monitoring	No

Positive traffic management measures

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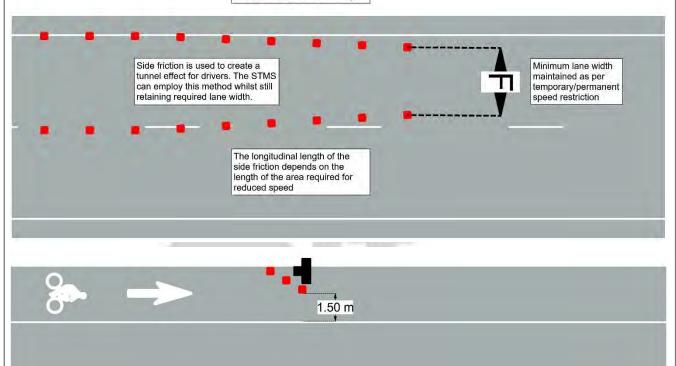
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- Side friction delineation installed from TSL to the start of the taper.
- Additional cones may be placed on centerlines, edgelines or shoulders to increase site safety and reduce vehicle speed.
- Use of paddles and TSL
- Cone offset delineation where cones are placed either side of the lane(s), the cones on one side are placed longitudinally offset from the other by half a cone spacing.

Reduced cone spacing (2.5m) can be utilised to increase impact



1.50 m

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#### Contingency plans

### Generic contingencies for:

- major incidents
- incidents
- pre planed detours.

Remove any options which do not apply to your job

#### Major Incident

A major incident is described as:

- Fatality or notifiable injury real or potential
- Significant property damage, or
- Emergency services (police, fire, etc) require access or control of the site.

#### Actions

The STMS must immediately conduct the following:

- stop all activity and traffic movement
- secure the site to prevent (further) injury or damage
- contact the appropriate emergency authorities
- render first aid if competent and able to do so
- notify the RCA representative and / or the engineer
- under the guidance of the officer in charge of the site, reduce effects of TTM on the road or remove the activity if safe to do so
- re-establish TTM and traffic movements when advised by emergency authorities that it is safe to do so
- Comply with any obligation to notify WorkSafe.

#### Incident

An incident is described as:

- excessive delays real or potential
- minor or non-inquiry accident that has the potential to affect traffic flow
- structural failure of the road.

#### Actions

The STMS must immediately conduct the following:

- stop all activity and traffic movement if required
- secure the site to prevent the prospect of injury or further damage
- notify the RCA representative and / or the engineer
- STMS to implement a plan to safely remove TTM and to establish normal traffic flow if safe to do so
- re-establish TTM and traffic movements when it is safe to do so and when traffic volumes have reduced.

#### Detour

If because of the on site activity it will not be possible to remove or reduce the effects of TTM once it is established a detour route must be designed. This is likely for:

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- excessive delays when using an alternating flow design for TTM
- · redirecting one direction of flow and / or
- total road closure and redirection of traffic until such time that traffic volumes reduce and tailbacks have been cleared.

The risks in the type of work being undertaken, the risks inherent in the detour, the probable duration of closure and availability and suitability of detour routes need to be considered.

The detour and route must be designed including:

- pre approval form the RCA's whose roads will be used or affected by the detour route
- ensure that TTM equipment for the detour—signs etc are on site and pre-installed.

#### **Actions**

When it is necessary to implement the pre-planned detour the STMS must immediately undertake the following:

- Notify the RCA and / or the engineer when the detour is to be established
- Drive through the detour in both directions to check that it is stable and safe
- Remove the detour as soon as it practicable and safe to do so and the traffic volumes have reduced and tailbacks have cleared
- Notify the RCA and / or the engineer when the detour has been disestablished and normal traffic flows have resumed.

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Note also the requirements for no interference at an accident scene:

In the event of an accident involving serious harm the STMS must ensure that nothing, including TTM equipment, is removed or disturbed and any wreckage article or thing must not be disturbed or interfered with, except to:

- save a life of, prevent harm to or relieve the suffering of any person, or
- make the site safe or to minimise the risk of a further accident; or
- maintain the access of the general public to an essential service or utility, or
- prevent serious damage to or serious loss of property, or
- follow the direction of a constable acting in his or her duties or act with the permission of an inspector.

Other contingencies to be identified by the applicant (i.e. steel plates to quickly cover excavations)

This will be determined on a case-by-case basis. Where achievable works will stop until emergency or delays have been cleared.

Should signals or e-STOPs fail – Manual Traffic Control is to be installed immediately (refer to F2.14 & F2.22).

Authorisations							
Parking restriction(s)	Will controlled street parking be affe	cted? Yes (potentially	Has approval been granted?	N/A			
alteration authority	Where Mobility Parking are affected alternative to be provided (same side of road, as close as possible), TM personnel to assist and guide users as required.						
Authorisation to work at permanent	Will portable traffic signals be used permanent traffic signals be changed		Has approval been granted?	No			
traffic signal sites	WTOC to be notified 30 mins prior to site installation and upon removal.						
Road closure	Will full carriageway closure continu more than 5 minutes (or other RCA stipulated time)?	e for No	Has approval been granted?	No			
authorisation(s)	N/A						
Bus stop relocation(s) –	Will bus stop(s) be obstructed by the activity?	e Yes (potentially	Has approval been granted?	No			
closure(s)	Pre-approval required before works commence. Metlink will be notified 30 mins prior to installation and upon removal.						
	eS1	OP Portable Tra	affic Signals:				
Authorisation to use portable traffic signals	Make, model and description/number	007 4 007	- 2 - 2 - 2				
	NZTA compliant? Yes						

EED			
Is an EED applicable?	EED is not required	EED attached?	EED is not required

Delay calculations/trial plan to determine potential extent of delays

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#### e-STOP & Stop Go Closures:

Delays of up to 5 minutes can be expected due to the nature of the TTM implemented. The STMS is to take measures to ensure delays remain under 5 minutes at all times, and queues do not extend past the advance warning signage.

If delays are occurring or excessive queueing is apparent, the STMS is to implement one of the following contingency plans;

- 1) Traffic Metering
  - Send only a specific amount of vehicles per side instead of clearing the entire queue
- 2) Pause works and open site
  - Make the site safe, remove plant and vehicles from the carriageway and open the tapers
- 3) Prioritise high flow route
  - Send vehicles from the approach with the highest flow first. Hold side street traffic for slightly longer if required.
- 4) Install additional signage
  - Install T2A/T234 "Warning Hidden Queue" signage up to 2xB from the initial advance warning signage for additional advance warning

STMS will continuously monitor for delays - TMC will be notified of any excessive delays.

#### Public notification plan

A letter drop to residents and businesses is to be completed 5 working days prior to works commencing.

WTOC notification for any works which are in close proximity to traffic signals and/or for a communications plan on permanent VMS within Upper Hutt City region.

Public notification plan attached? No

On-site monitoring plan						
Attended (day and/or night)	An STMS or delegated TC/TMO will be on site at all times.					
	2 Hourly Site Checks to be documented on the on-site record.					
(uay and/or mgm)	STMS/TC to monitor and assist pedestrians, cyclists and driveways when needed.					
Unattended (day and/or night)	An unattended site is not required for non-excavation works.					

#### Method for recording daily site TTM activity (eg CoPTTM on-site record)

- Hazard ID sheet
- CoPTTM on-site record.
- Checking process for Generic TMPs form to be completed prior to set up of a worksite when using this TMP.

#### Site safety measures

- All visitors/contractors to be inducted and hazard ID completed
- PPE gear to be worn by all on site
- Toolbox meeting to be held prior to work commencing.
- Arm bars to be installed around the work area.
- STMS/TC to monitor and assist pedestrians, cyclists and driveway access at all times when required.
- Pedestrian ramps to be installed when required.

	Will a temporary safety barrier system be used at this worksite?	No	If yes, has the temporary safety barrier designed by an installation designer ar independently reviewed as being fit for	nd	N/A
,	Statement from temporary safety b	arrier instal	lation designer attached	N/A	

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Section P. appendix A. Traffic management plans





Other information

### LEVEL 1 LAYOUT DISTANCES TABLE

Permanent speed limit or RCA- designated operating speed (km/h)		≤50	60	70	80	90	100
Tra	ffic signs						
Α	Sign visibility distance (m)	50	60	70	80	90	100
В	Warning distance (m)	50 or 30*	80	105	120	135	150
C	Sign spacing (m)	25 or 15*	40	50	60	70	75
Saf	ety zones	A control to the control to the					A
D	Longitudinal (m)	10 or 5*	15	30	45	55	60
E	Lateral (m)	1	1	1	1	1	1
Tap	pers					100	
G	Taper length (m)*	30	50	70	80	90	100
Κ	Distance between tapers (m)	40	50	70	80	90	100
Del	ineation devices						
Cor	ne spacing in taper (m)	2.5	2.5	5	5	5	5
Cor	ne spacing: Working space (m)	5	5	10	10	10	10

- Larger minimum distances apply on all state highways and also on all multi-lane roads. The smaller minimum distances may be applied on other roads to accommodate road environment constraints.
- # On non-state highways with speeds 50km/h or less, a 10m taper (with cones at 1m centres) may be used when there are road environment constraints (eg intersections and commercial accesses).

On all roads where shoulder width is less than 2.5m and the activity does not affect the live lane, a 10m shoulder taper is permitted (with at least 5 cones at no greater than 2.5m centres).

A taper of 30m (with cones at 2.5m centres) must be used where manual traffic control (stop/go), portable traffic signals or priority give way are employed.

Lan	e widths								
Spe	ed (km/h)	30	40	50	60	70	80	90	100
F	Lane width (m)	2.75	2.75	3.0	3.0	3.25	3.25	3.5	3.5

Except for delineation device spacings, which are maximum values, the distances specified in the above tables are minimum values.

Attached Diagrams

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#### Pedestrian Management

- 1. ATMS05 Pedestrian Escort (1st Choice)
- 2. F2.1 Pedestrian Diversion (berm) (2<sup>nd</sup> Choice)
- 3. F2.2 Pedestrian Diversion (berm) (3rd Choice)
- 4. F2.3 Pedestrian Diversion (carriageway) (4th Choice)
- 5. F2.4 Footpath Closed (5th Choice) Requires TMC approval

#### Works on berm/shoulders/Lane Width Reduction

- 6. CC1 Works on berm or footpath
- 7. CC2 Traffic not crossing road centre
- 8. CC3 Works on berm or footpath vehicle parked on berm
- 9. CC4 Footpath diverted onto shoulder or parking lane
- 10. CC5 Footpath
- 11. CC7 Valve in Shoulder or berm
- 12. F2.5 Works on berm
- 13. F2.6 Works on parking lane
- 14. F2.7 Shoulder Closure
- 15. F2.11 Lane Width Reduction
- 16. F2.12 Lane Width Reduction (median)

#### **Inspection Activities**

- 17. F4.10 Inspection Activity
- 18. ATMS07 Inspection Activity Centre of Road

#### Lane Closures/Diversions/e-STOP/MTC/Traffic Lights/Centre Of Road

- 19. F2.13 Two Lane Diversion
- 20. ATMS02 -2 Way e-STOP
- 21. F2.14 2 Way MTC
- 22. ATMS04 e-STOP with MTC
- 23. F2.22 3-4 Way MTC
- 24. F2.15 Stop Stop
- 25. F2.16 Priority Give Way Requires TMC approval
- 26. F2.17 Traffic Lights
- 27. F2.18 Works in centre of road
- 28. F2.19 Intersection
- 29. F2.20 Intersection
- 30. F2.21 Works in middle of intersection
- 31. F2.30 Left Lane Closure (1 way, 2 lane)
- 32. F2.31 Right Lane Closure (1 way, 2 lane)

#### Mobile Operations/Semi Statics

- 33. CC8 Valve towards left of lane
- 34. CC9 Valve towards right of lane
- 35. CC10 Valve in Centre of carriageway
- 36. CC11 Valve in Centre of Intersection
- 37. CC12 Two way Two Lane Road
- 38. F4.1 Mobile Operation 5m from edgeline
- 39. F4.2 Mobile Operation within 5m of edgeline
- 40. F4.3 Mobile Operation with pilot
- 41. F4.4 Mobile Operation work vehicle in lane
- 42. ATMS06 Semi Static (right or left lane)
- 43. Mobile Closure L1 Install & Removal

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Section P appendix A Traffic management plans

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#### Cycle Lanes

- 44. F2.8 Cycle Lane Diversion
- 45. F2.9 Cycle Lane Diversion
- 46. ATMS03 Cycle Lane e-STOP

#### Section J diagrams

- 47. J2.16a
- 48. J2.19a
- 49. J2.20a
- 50. J2.20b
- 51. J2.20c
- 52. J2.20d
- 53. J2.20e

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Contact details						
	Company / Council	Name	24/7 contact number	CoPTTM ID	Qualificatio n	Expiry date
Principle	Wellington Water	Tim Harty	021 451 104	-	-	-
TMC	Upper Hutt City Council	Phil Gollings	021 495 822	148577	STMS (A) NP	07/11/25
Engineers' representative	Wellington Water	Valitha Roos	021 510 923	-	-	-
Service Delivery Manager	Wellington Water	Steve Watt	021 507 440	-	-	-
	Action Civil	Dave Murtagh	027 442 2971			
	Agricontracts Hutt Ltd (CAS)	Jaden Munn	027 319 4575	-	-	-
	Aidan Kelly Contracting (AKC)	Mellington Water   Tim Harty   021 451 104	-	-		
	ATMS	David Quintela	027 213 5654	-	-	-
	Alliance Services Ltd	Chris Barlow	021 640 282	=	-	-
	Anzel Limited	Darryl Tatana	021 281 1102	-	-	-
	Arthur D Riley & Co Ltd	Chris Parkinson	04 472 7614	-	-	-
	Brian Perry Civil	Blair Mould	027 229 3270	-	-	-
	Stantec	AJ Weir (Alice)	027 331 9930	-	-	-
				-	-	-
	Limited			-	-	-
		Daniel Renshaw		-	-	-
Contractor	Davies Waste Solutions	Jan Godfrey	04 528 9909	-	=	-
Contractor Interim	Dawson Waste Services Ltd	Dave Phillipson	022 657 2402	-	-	-
Contacts	Detection Services	Ross Beckett	04 915 0530	-	-	-
	DMK Contracting	Deon Kumm	027 202 5142	-	-	-
	Downer New Zealand	Sam Farnworth	021 896 603	-	-	-
	Drain Doctor NZ Ltd	Ian Pauley	027 484 8887	-	-	-
	E Carson & Sons	Eddie Carson	027 442 4343	-	-	-
	E N Ramsbottom Ltd	Michelle Hoffman	027 471 6246	-	-	-
	Fulton Hogan	Duncan Mundell	027 4786 203	-	-	-
	G & C Diggers	Mark Dennes	022 350 7550	-	-	-
	G P Friel Ltd	Dave Philipson	022 657 2402	-	-	-
	Greenstone Contracting Ltd		04 566 0890	-	-	-
	Groundworks Ltd	Hamish Rees		-	-	-
	Horokiwi Paving Limited			-	-	-
	Hydrotech / TDG Environmental			-	-	-
	Inline Drainage Limited			-	-	-
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Ives Plumbing Ltd	Daniel Barnett	021 758 621	-	-	-
JB's Environmental Ltd	John Matangi	021 750 920	-	-	-
Jet Black Asphalts Ltd	Neville Playford	027 208 9309	=	-	-
Juno Civil	Jim Juno	021 227 7001	-	-	-
Laser Plumbing Wellington East	Simon Walker	027 449 1180	=	-	-



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AGENCY	and and and	d/or RCA contract refe	erence			
	Mac Engineering	Regan McMurchie	021 1567 908	-	-	-
	Marais Laying NZ Ltd	Adrien Merceron	027 555 7802	-	-	-
	McCormack Group	Willy McCormack	027 449 3985	-	-	-
	McLatchie & Sharp Ltd	Adam Clarke	027 443 3760	-	-	-
	McMaster Civil	Richard McMaster	021 963 509	-	-	-
	Mills Albert Ltd	Dave Mills	021 720 123	-	-	-
	Mottmac	Patrick Wharewera-Jones	027 746 8395	-	-	-
	Mottmac	Matthew Cooper	021 688 013	-	-	-
	Plimmer Plumbing	,		=	-	-
	Ltd	Steven Fawcett	027 215 3667			
	P & N Siteworks Ltd	James Hosie	027 235 8363	-	-	-
	Pope & Gray Contractors	Sid Taylor	027 255 1948	-	-	-
	Precise Traffic Solutions Ltd	Bux Manuseuga	027 836 5243	-	-	-
	RS Cabling Limited	Nathan Rose	027 275 4317	-	-	-
	Rasmac Contractors Ltd	Lawrence Rasmussen	027 444 3041	-	-	-
	Reline NZ Ltd	Paul Southern	021 175 021	-	-	-
Contractor	S & R Asphalts Ltd	Scott Hay	027 440 2405	-	-	-
Contractor Interim Contacts	S B Maintenance Ltd	David O'Sullivan	027 2810 9998	=	-	-
	SAP Contractors Limited	Glenn Churches	027 272 1666	-	-	-
	Sierra Delta Civil Ltd	Sam Dews	027 592 2290	-	-	-
	Silver Lining Contracting Ltd	Renee Wilkie	021 0828 0647	-	-	-
	Steve Quinn Professional Lawn Mowing Ltd	Steve Quinn	027 451 6343	-	-	-
	Stewart Electrical	Tim Stewart	021 507 245	-	-	-
	Stone Contractors Ltd	Allan Glover	021 529 681	=	-	-
	T E D Drainage Ltd	karl Taylor- Edwards	027 675 5996	-	-	-
	Tasman Civil	Keith Robertson	027 4384 536	-	-	-
	Tatana Contracting	Darryl Tatana	0800 368 938	-	-	-
	Vac-U-Digga	Kathy Fandham	021 246 3615	-	-	-
	Wal Gordon Plumbing Ltd	Wal Gordon		=	-	-
	Wellington Pipelines Limited	James Fruean	027 499 9223	-	-	-
	Wellington Developments Ltd	Harold Paul	021 0273 7643	-	-	-
	Wet Worx Limited	Walter Alexander	021 239 4211	-	-	-
	A1 Locates	Brad Thomas	021 296 9477	-	-	-
	Kelcon Limited	Wayne Kelland	027 263 8731	-	-	-

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AGENCY	Garage and	JOI NOT COITH ACTION	0. 0.100			
	ATMS	Vena Lam Sam	021 767 165	39930	Cat A,B,C	22/09/24
	ATMS	Martyn Sauaiga	027 348 9478	72781	Cat A,B (P) Cat C (NP)	19/08/25
	PTS	Bux Manuseuga	027 836 5243	-	-	-
	Hanging Around Traffic Management	Sam Redhill	021 505 900	-	1	-
TTM Interim Contacts	Men At Work - Traffic Management	Kurt Puryer-Smith	027 274 2369	-	-	-
	Men At Work - Traffic Management	Todd Lynch	027 282 0998	-	-	-
	SAP Contractors	Glenn Churches	027 272 1666	-	1	-
	Stapp Contracting Traffic Management	Shane Pihema	027 249 9882	-	-	-
	Traffic Management NZ Ltd	Steven Loftus	027 491 9494	-	-	-
	Leading Traffic	Chantelle Mereriana Ngaia	027 2555 5002	-	1	-
	Leading Traffic	Ben Teika	027 555 0997	-	-	-
	Trafficflow	Steven Huriwaka	021 944 037	-	-	-
	WTOC		0800 869 286	-	-	-
Others as	Metlink Contact	Centre	0800 801 700	-	-	-
required	Upper Hutt City Council Corridor Manager	Phil Gollings	02 <b>1 495 822</b>	-	-	-

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TMP preparation									
Preparation	Dylan Green	1 <b>8</b> /12/2023	DGreen		CA A,E	AT - ,B,C(NP)			19/08/25
This TMP meets CoF	PTTM requirements			Numbe	r of	f diagrams a	attach	ed	53
TMP returned for									
correction (if required)	Name		Date	Signatur	е	ID no.	C	ualification	Expiry date
Engineer/TMC to cor	mplete following section w	hen approva	l or acceptance	e required					
Temporary safety barrier system	The attached temporary roa as being fit for purpose	d safety barrie	er design has be	en indepen	der	ntly reviewed		Not red	quired
TMD Assessed			0.0						
TMP Approved	Name		Date	Signature	ò	ID no.	C	ualification	Expiry date
Acceptance by			m						
TMC (only required if TMP approved by engineer)	Name		Date	Signatur	e	ID no.	C	Qualification	Expiry date
,									
Qualifier for enginee	er or TMC approval			1				20.	
Approval of this TMP	authorises the use of any req	gulatory signs	included in the	TMP or at	tacl	hed traffic ma	anage	ment diagrai	MS.
This TMP is approved	d on the following basis:								
1. To the best of the a	approving engineer's/TMC's	judgment this	TMP conforms	to the requ	uire	ments of Col	PTTM.		
	ved on the basis that the activ						correct	ly represente	ed by the
	ccuracy in the portrayal of this	1 1 2 1 1 1 1	1.16 (1.15 (1.16))				ı,	RATE	,Eb
·	so far as is reasonably pract activity is reminded that it is						nne du	o to the adv	orso traffic
	onditions that affect the safet		iuty to postpone	, cancer or	Ш	ouny operation	JIIS UU	e to the auve	erse traine,
7					١		1		
Notification to TMC	prior to occupying worksite	e/Notification	n completed						
	- 1 1 S			Da	to.				
Type of notification			Notification	Da	וכ				
to TMC required			completed	Tim	ne				

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# **ROAD SPACE BOOKING**

Address:					
Contractor:					
Dates & Times (attended):	From:		То	:	
Dates & Times (unattended):	From:		То	:	
Generic TMP used:					
Diagram (s) used:					
CAR#					
Work Activity and Reasons TTM to remain in place:					
	oney and				pracer
	I				
<b>Contractor Name:</b>					
Contractors Signature:					
TMC Approval:					

Please attach photos of site active site set up (these photos are to include both ends of the site (inclusive of any side roads), pedestrian/cycle management and the working area.



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#### **TEMPORARY SPEED LIMIT (TSL)** INSTRUCTIONS Appendix B **DECISION MATRIX** Select the appropriate road condition description for each of the four factors, and in the right hand circle list the chosen TSL for that road condition. Transfer lowest TSL to the bottom circle. **WORKSHEET** Possible **EXCELLENT AVERAGE BELOW AVERAGE POOR** Temporary Speed Limit Minimum Lane Width 3.25m 3.00m 2.75m 3.5m **Payement / Surface Condition** The shoulder and lane is clear of The road is close to normal condition There are major defects and / or Defects and / or loose material on the loose or greasy material and the except for a few minor defects significant loose material on the lane lane (eg unattended reseals) traveled way is smooth (eg recently milled surface, large (eg small pot holes or a few pieces of 50km/h for protection of a new seal stones, steel plates) loose aggregate) 70km/h where new seal has been swept but not marked Visibility and Alignment There is greater than 140m visibility There is less than 140m visibility to the There is less than 60m visibility to the first There is less than 30m visibility to the first first cone in taper, to the first cone in taper, cone in taper, cone in taper, and the worksite has not imposed a vehicles are deflected by 20 degrees or vehicles are deflected by 20-45 degrees vehicles are deflected by more than 45 less from the original direction of travel from the original direction of travel degrees from the original direction of travel change in alignment Deflected by 20° to 45° Deflected by less than 20° Deflected more than 45° **Site Clutter** Low site clutter, clear vehicle lanes. Some site clutter either plant or Considerable site clutter requires Has numerous driver distractions including cycle lanes and footpaths materials, vehicle lanes, cycle lanes additional management to guide construction traffic. and footpaths are lightly trafficked vehicles though the site. Cycle lanes or footpaths are closed. Some queues of road users 30km/h for portable traffic signals, MTC operations or where traffic has to traverse the actual active working space (either in a delineated single lane or where traffic is not separated from the working space) Is the lowest speed 80km/h or less and at

Click here to reset

least 10km/h below the permanent speed?

Yes

No

**Use this Temporary Speed Limit** 

**No Temporary Speed Limit Required** 

TMP or generic plan reference				
-------------------------------	--	--	--	--

ON-SITE RECORD MOBILE OPERATIONS ( <i>On-site record must be completed and retained with the applied TMP for 12 months</i> )  Today's date									
STMS in charge of TTM									
Name		NZTA warrant	NZTA warrant TTM ID Number NZTA warrant expiry date S		STMS signature	Time			
In charge STMS pre-sta	rt check								
Mandatory Items to be checked as fit for purpose	High-visibility garments are fit for purpose, in an acceptable condition and worn correctly?	Vehicle Xenon (or LED)/Beacons are fit for purpose?	LAS/RD6/AWVMS/VMS/ Horizontal arrow boards are fit for purpose?	purpose	Two-way radios available, operating OK and batteries are fully charged	Correct signs for work operation are fitted to all vehicles and are fit for purpose			
Time the check was completed:		In charge STMS signature:							

Operation record (To be completed for all inspection worksites/runs, mobile runs, semi-static sites)									
Affected Road Environment Details									
Worksite start point	Worksite end point	Start	End						
CAR E992644	D								
	Worksite start point  APPROVE	Worksite start point  Worksite end point  APPROVED  CAR E992644	Worksite start point Worksite end point Start  APPROVE  CAR E992644						

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TMP or generic plan reference

Checks (must	be completed and d	ocumented at least ev	very 30 minutes)				
Mobile closure							
Time	Distances between vehicles maintained	Lateral positioning of vehicles maintained	LAS/RD6/AWVMS/VMS/Horizontal arrowboards continue to operate correctly	Road clear and available for planned work?	Static equipment maintained?	Safety zones maintained?	Working space adequate and maintained?
Comments rel	ating to any changes	s and or improvements	to the approved TTM/TMP				
Time of commer	nt Detail						
			APPRO	OVED			
	1		CAR E992644 Phil Gollings Upper Hutt C	ity Council			

Traffic control devices manual part 8 CoPTTM

TMP or generic plan reference

ON-SITE REGON-Site record	CORD must be retained with TMP for 12 month	S.			Today's d	ate		
Location details	Road names(s):	House number/RPs	S:		Suburb:			
Working sp	ace							
Person responsible for working space	Name	Tanasa and TTM House	Signature	el in the		40 TTM		
vvnere tne STI	MS/TC is responsible for both the working	g space and TTM they s	ign above and	a in the	e appropriai	e i iwi	oox delow	
TTM								
STMS in charge of TTM								
	Name	TTM ID Number	Warrant expir	y date	Signature			Time
Worksite handover accepted by								
replacement	Name	ID Number	Warrant expiry date		Signature			Time
STMS	Tick to confirm handover briefing completed							
Delegation								
Worksite control								
accepted by TC/STMS-NP	Name	ID Number	Warrant expiry date		Signature			Time
	Tick to confirm briefing completed							
Temporary	<u> </u>		·					
Street/road na	ame (RPs or street numbers):	TSL action	Date:	Time	: TSL	speed:	Length of	TSL (m):
		TSL installed						
From:	То:	TSL remains in place TSL removed						
		TSL action	Data	Time	. TCI	cpood	L anath of	TCI (m).
Streeth oad na	ame (RPs or street numbers):	TSL action TSL installed	Date:	TITIE	: ISL	speed:	Length of	TSL (III):
		TSL remains in place						
From:	To:	TSL removed						
Street/road na	ame (RPs or street numbers):	TSL action	Date:	Time	e: TSI	speed:	Length of	TSL (m):
	(	TSL installed	2 3.10			- P		( ) .
		TSL remains in place						
From:	To:	TSL removed						
Street/road na	ame (RPs or street numbers):	TSL action	Date:	Time	: TSL	speed:	Length of	TSL (m):
		TSL installed						
		TSL remains in place						
From:	To:	TSL removed	<b></b>					
		APPROVED						

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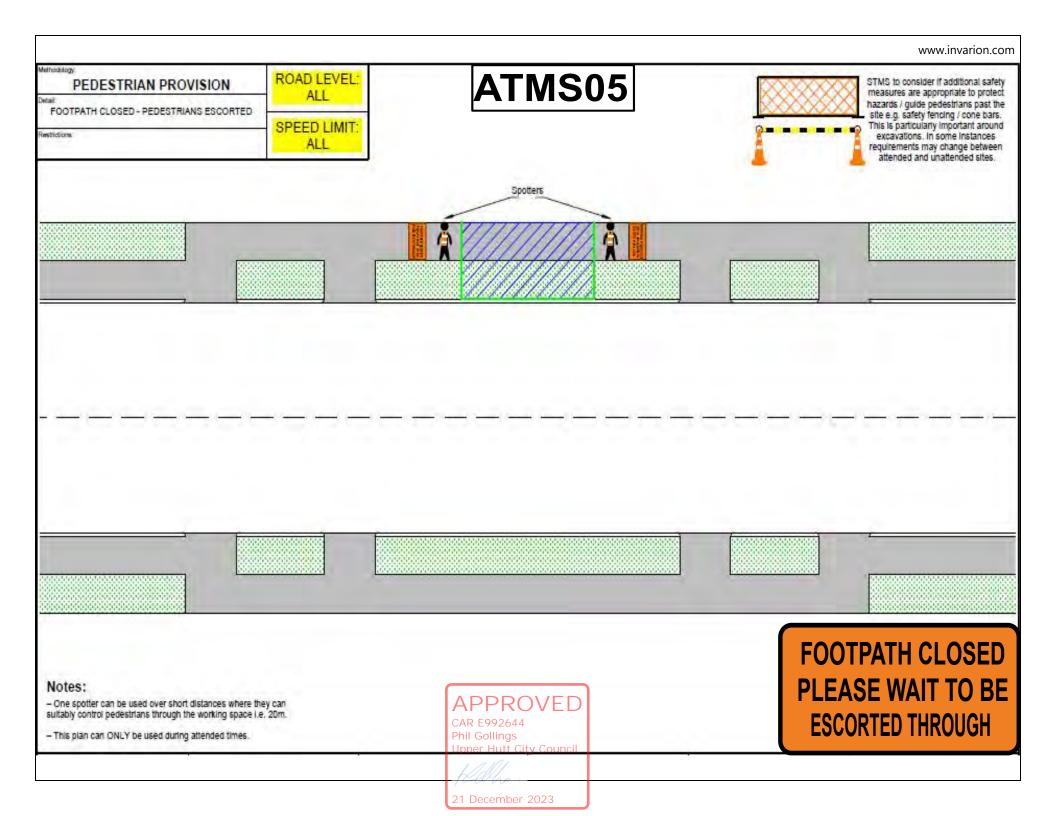
WOLKSILE IIIOIIII	9							
TTM to be monitore	ed and 2 hourly in				1	1		
Items to be inspec	cted	TTM set-up	2 hourly check	TTM removal				
High-visibility garment worn by all?								
Signs positioned as	s per TMP?							
Conflicting signs co	overed?							
Correct delineation	as per TMP?							
Lane widths approp	oriate?							
Appropriate positive	e TTM used?							
Footpath standards	s met?							
Cycle lane standard	ds met?							
Traffic flows OK?								
Adequate property	access?							
Barrier deflection at (Refer to Barrier de								
Add others as requ	ired							
Time inspection c	ompleted:							
Signature:								
Comments:								
Time	Adjustment m	nade and reas	on for change					
	1		APPF	ROVED	1			
			CAR E9926					

TM

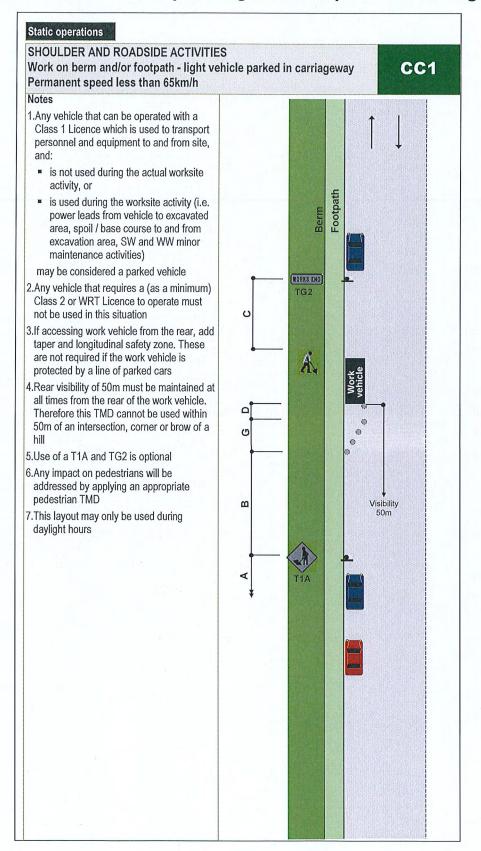
Upper Hutt City Council

	ss for generic TMPs							
	milar company record, must be con	npleted prior	to set u	up of a v	vorksite where	a generic Ti	MP is used.	
Location details								
Road name(s)		1	House numbe	r/RP(s)			Suburb	
Road name(s)			House numbe	r/RP(s)		Suburb		
Generic TMP reference no.	Т	MD no(s).					ote: The checking clude all the TMDs	
Category	Points to consider		Υ	N C	Comment/Mitig	ation		
Road level	Is this at the correct road level	?						
	Are the following catered for in TMP?	the generic						
	Intersections	• Intersections						
Shape	Vertical Curves (hills)							
	Horizontal Curves (corners)	Horizontal Curves (corners)						
	Sufficient advance warning							
	Check that there is:							
	sufficient length to place the direction and protection							
Direction and protection	sufficient road width to place planned direction and prote minimum lane width is 2.75							
	adequate sight distance on	adequate sight distance on both sides						
	sufficient room to accommo required positive traffic cont							
Proposed speed	Is a TSL required?							
restrictions	Refer to the TSL decision matr CoPTTM (section E Appendix							
Plant and equipment	Will your plant and equipment designated working space?	fit within the						
Personal safety	Are all workers able to carry ou within the designated working							
Personal Safety	If not are they covered by the r inspections?	If not are they covered by the rules for						
	Is diagram(s) detailed in the ge	eneric TMP?						
Layout diagrams	Does the diagram(s) match the section of the TMP?	e written						
RCA notification	Has the RCA been notified?							
Completed by:								
STMS/TC in charge of								
worksite	Name		Sign	ature		Date	Qualification	ID number
(All names to be entered before site set-up)		APP	RO'	VEC				
site set-up)	Name CAR E99:		2649ign	ature		Date	Qualification	ID number

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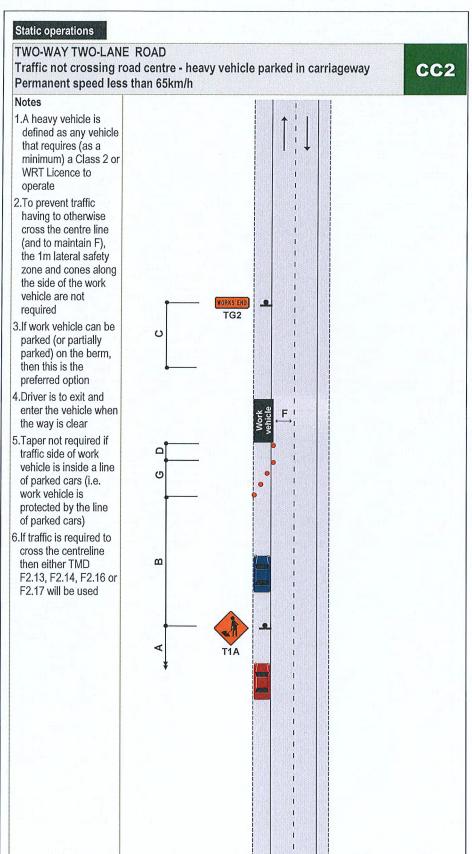


#### 1. CC1 Work on berm or footpath - light vehicle parked in carriageway



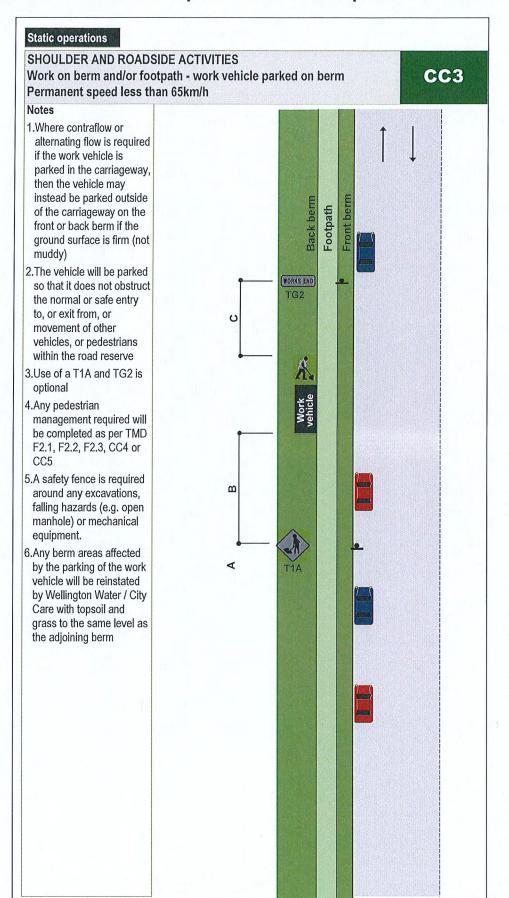


# 2. CC2 Traffic not crossing road centre - heavy vehicle parked in carriageway



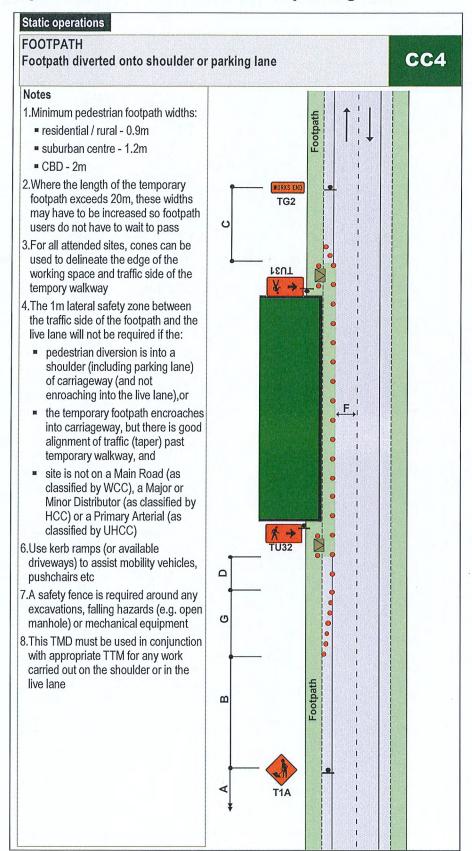


## CC3 Work on berm and/or footpath - work vehicle parked on berm



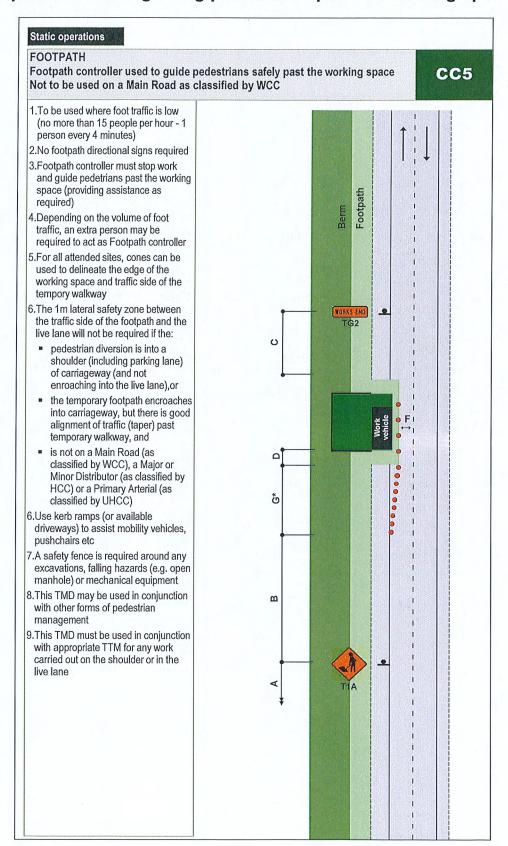


#### 3. CC4 Footpath diverted onto shoulder or parking lane





#### CC5 Footpath controller guiding pedestrians past the working space





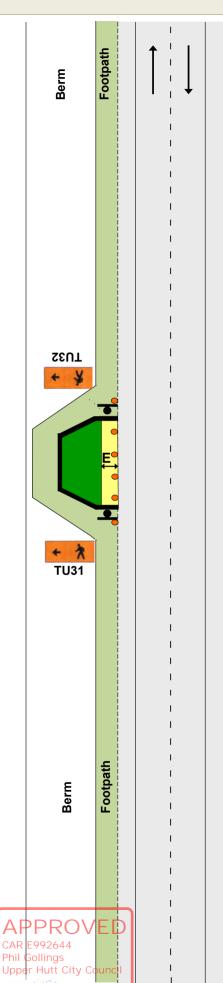
#### **FOOTPATH**

# Footpath diverted onto berm behind working space First preference

**F2.1** Level 1

#### Notes

- **1.**Minimum pedestrian footpath widths:
  - Residential/Rural/Suburban Centre - 1.2m
  - CBD 2m
- 2. Where the length of the temporary footpath exceeds 20m, these widths may have to be increased so footpath users do not have to wait to pass
- **3.**Temporary footpath surfaces must be suitable for footpath users
- 4.Use safety fence to enclose the working space, or at attended worksites, cones connected with cone bars can be used to enclose the working space but only for a short period of time Note: Cone bars are not recommended where heavy equipment (eg a digger) is being used. A safety fence is preferred in these cases
- **5.**This TMD must be used in conjunction with appropriate TTM for any work carried out on the shoulder or in the live lane



Section F

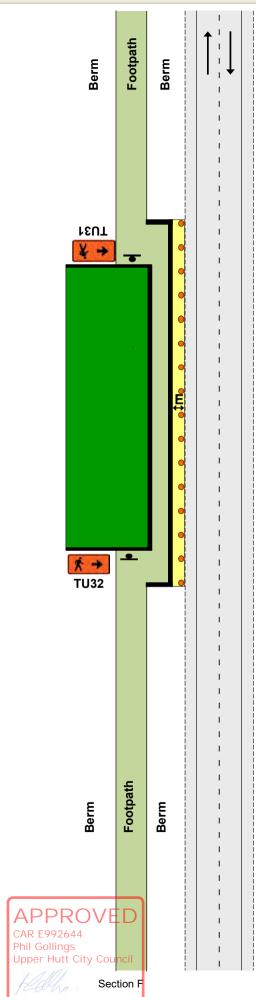
#### **FOOTPATH**

Footpath diverted onto berm between working space and carriageway Second preference

**F2.2** Level 1

#### Notes

- **1.**Minimum pedestrian footpath widths:
  - Residential/Rural/Suburban Centre - 1.2m
  - CBD 2m
- 2. Where the length of the temporary footpath exceeds 20m, these widths may have to be increased so footpath users do not have to wait to pass
- 3. Temporary footpath surfaces must be suitable for footpath users
- 4.Use safety fence to enclose the working space, or at attended worksites, cones connected with cone bars can be used to enclose the working space but only for a short period of time Note: Cone bars are not recommended where heavy equipment (eg a digger) is being used. A safety fence is preferred in these cases
- 5.Use barrier or safety fence to delineate the traffic side of the footpath, or at attended worksites cones connected with cone bars can be used to delineate the traffic side of the footpath for a short period of time (not for use on state highways)
- **6.**There must be a lateral safety zone between the traffic side of the footpath and the live lane:
  - 0.5m for barrier
  - 1m for safety fence or cone bars
- 7.This TMD must be used in conjunction with appropriate TTM for any work carried out on the shoulder or in the live lane

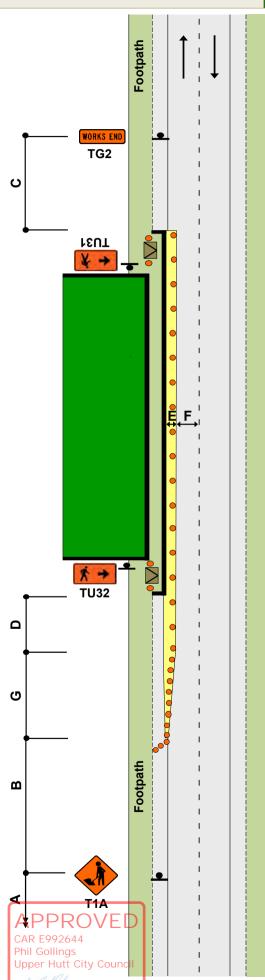


# Footpath diverted onto carriageway Third preference

**F2.3** Level 1

#### Notes

- 1.Minimum pedestrian footpath widths:
  - Residential/Rural/Suburban Centre - 1.2m
  - CBD 2m
- 2. Where the length of the temporary footpath exceeds 20m, these widths may have to be increased so footpath users do not have to wait to pass
- 3.Use safety fence to enclose the working space, or at attended worksites, cones connected with cone bars can be used to enclose the working space but only for a short period of time Note: Cone bars are not recommended where heavy equipment (eg a digger) is being used. A safety fence is preferred in these cases
- 4.Use barrier or safety fence to delineate the traffic side of the footpath, or at attended worksites cones connected with cone bars can be used to delineate the traffic side of the footpath for a short period of time (not for use on state highways)
- **5.**There must be a lateral safety zone between the traffic side of the footpath and the live lane:
  - 0.5m for barrier
  - 1m for safety fence or cone bars
- **6.**Use kerb ramps to assist mobility vehicles, pushchairs, etc
- 7.At night-time, corners of safety fence may be illuminated with flashing amber warning lights
- 8.This TMD must be used in conjunction with appropriate TTM for any work carried out on the shoulder or in the live lane



Section F

#### TMC APPROVAL REQUIRED

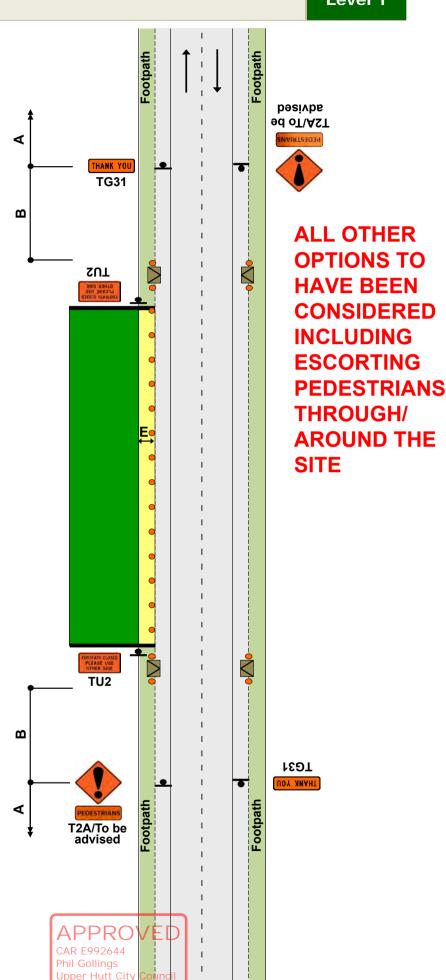
#### **FOOTPATH**

Footpath closed - permanent speed less than 65km/h Fourth preference

**F2.4** Level 1

#### Notes

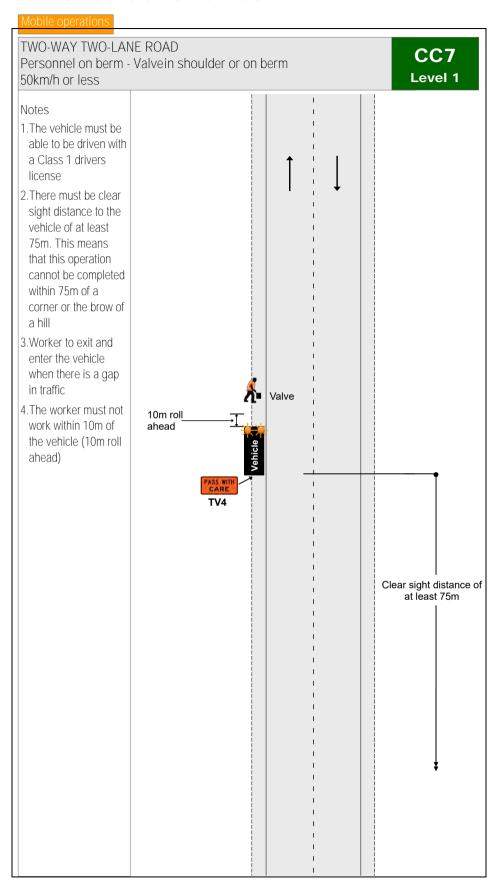
- 1.Use T2A and PEDESTRIANS supplementary plate to alert road users to the potential of footpath users crossing the carriageway
- 2.Use safety fence at each end of working space
- 3.Use kerb ramps
- 4.Use another TMD as well, where working space/safety zone encroaches on live lane
- 5. This TMD must be used in conjunction with appropriate TTM for any work carried out on the shoulder or in the live lane



Section F



#### CC7 - Valve in shoulder or on berm



**APPROVED** 

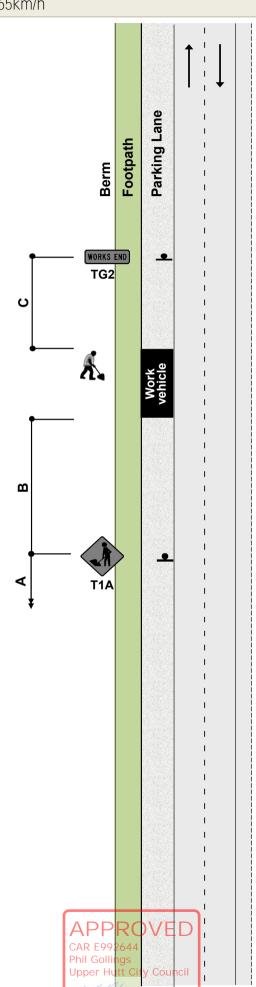
CAR E992644

# SHOULDER AND ROADSIDE ACTIVITIES Work on berm and/or footpath Permanent speed less than 65km/h

**F2.5** Level 1

#### Notes

- 1. Where work is carried out on the berm or footpath and a work vehicle is parked in a legal parallel car park, provided the vehicle is only accessed from the off traffic side, advance warning T1A road works and TG2 WORKS END are optional
- 2.Traffic management must be provided where footpath users or cyclists are affected
- 3. This layout may only be used during daylight hours
- 4.Large plant and machinery must not be used in this situation, a more substantial closure is required



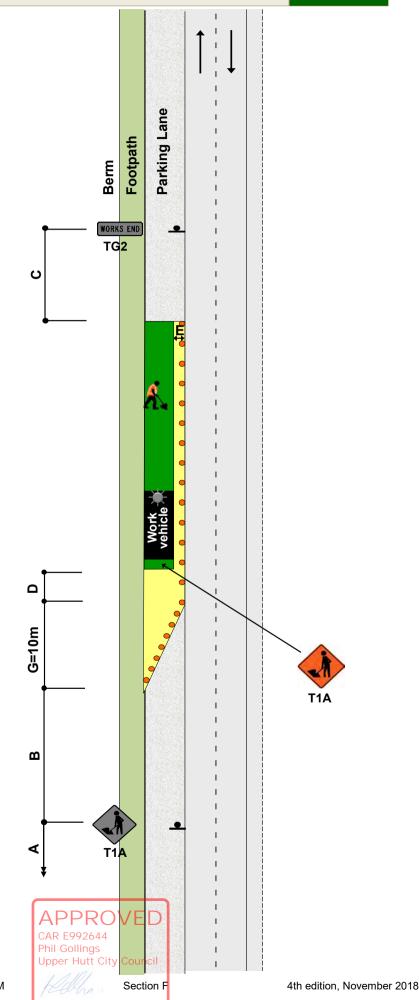
Section F

#### SHOULDER AND ROADSIDE ACTIVITIES Work in parking lane Permanent speed less than 65km/h

**F2.6** Level 1

#### Notes

- 1. Where work is carried out in the legal parking lane (a place where a vehicle would normally park with a footpath and/or kerb and channel alongside), the following minimum standard of TTM must be provided:
  - a 10m taper in front of the work vehicle
  - cones alongside the work vehicle and the working space
  - a longitudinal safety zone
  - a 1m lateral safety zone along the working space
  - a T1A (or other appropriate advance warning sign) mounted on the back of the work vehicle
- 2.T1A road works and TG2 WORKS END signs are optional
- 3. The work vehicle must be no larger than a light truck and may have an amber flashing beacon
- 4.Traffic management must be provided where footpath users or cyclists are affected
- 5. This layout may only be used during daylight hours
- 6.Large plant and machinery must not be used in this situation, a more substantial closure is required



# SHOULDER AND ROADSIDE ACTIVITIES Shoulder closure

**F2.7** Level 1

#### Notes

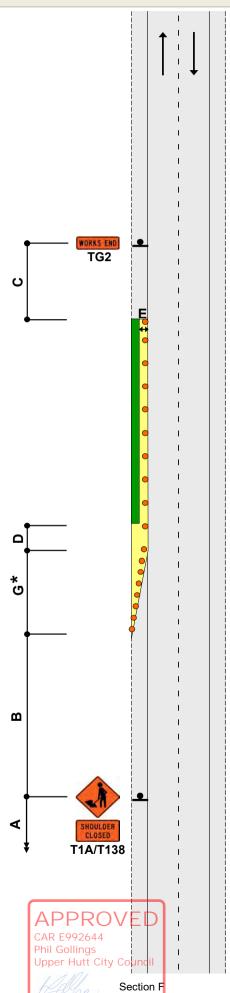
- 1.A 10m taper is allowed where shoulder width is less than 2.5m
- 2.\*For shoulders exceeding 2.5m width, apply the following calculation; calculation of taper length for lateral shift of less than 3.5m is:

#### $W \times G$

3.5

W = Width of shoulder

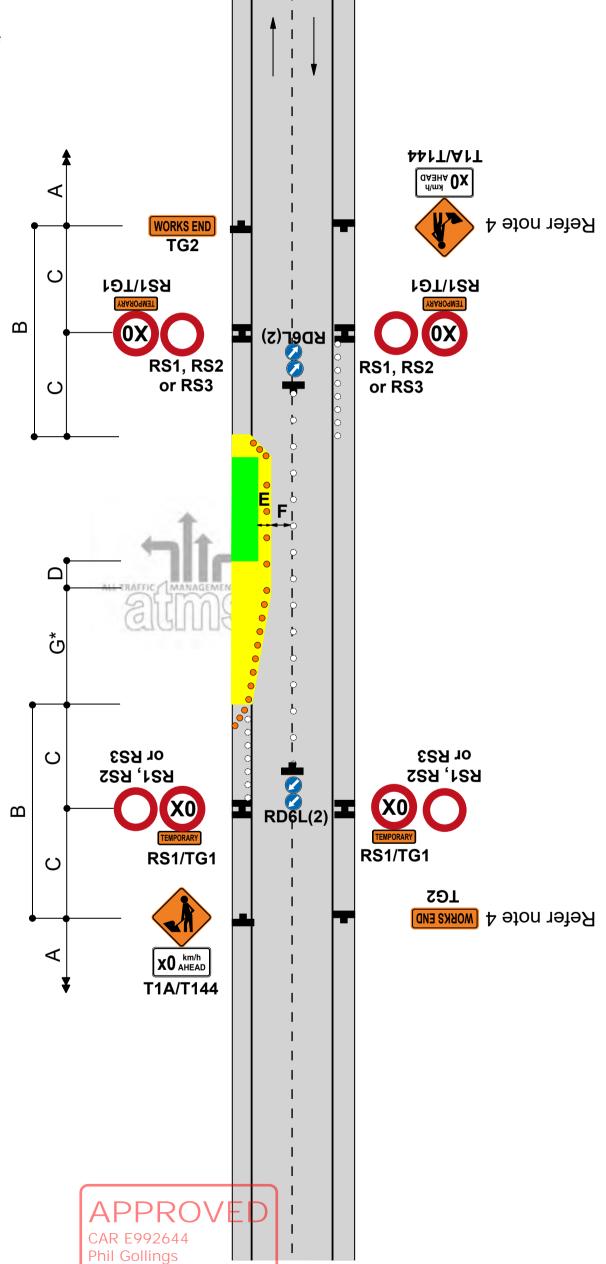
G = Taper length in metres from the level 1 layout distance table



#### **Notes**

- 1.\*Calculation of taper length for lateral shift of less than 3.5m is:  $W \times G$ 

  - 3.5
  - W = Width of lateral shift
  - G = Taper length in metres from the level 1 layout distance table
- 2.If traffic likely to cross the centreline, place cones on the centreline with RD6L signs at each end
- 3.Use TSLs if required by TSL decision matrix
- 4.If TSLs not required, the T1A and TG2 signs on the right hand side of the road are also not required
- 5.The T144 X0km/h AHEAD sign is optional



4th edition, November 2018

Traffic control devices manual part 8 CoPTTM pper Hutt City Counsection F

#### TWO-WAY TWO-LANE ROAD Traffic not crossing road centre Signs on median

**F2.12** Level 1

#### Notes

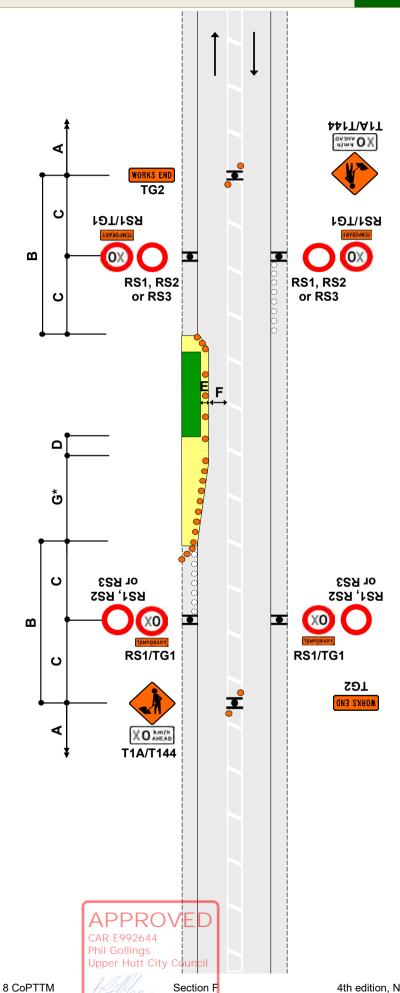
- 1.Use this diagram if signs will not be visible on left-hand side of road, or if it is safer to place signs on median and this will not interfere with turning traffic movements
- 2. Where a median exists which is more than 2m wide, the signs may be positioned on the median. Signs must be placed back-to-back unless on a solid median
- 3. Where there is a solid median, signs are not required in the opposing direction
- 4.\*Calculation of taper length for lateral shift of less than 3.5m is:

#### $W \times G$

3.5

W = Width of lateral shift

- G = Taper length in metres from the level 1 layout distance table
- 5.Use TSLs if required by TSL decision matrix
- 6.The T144 X0km/h AHEAD sign is optional

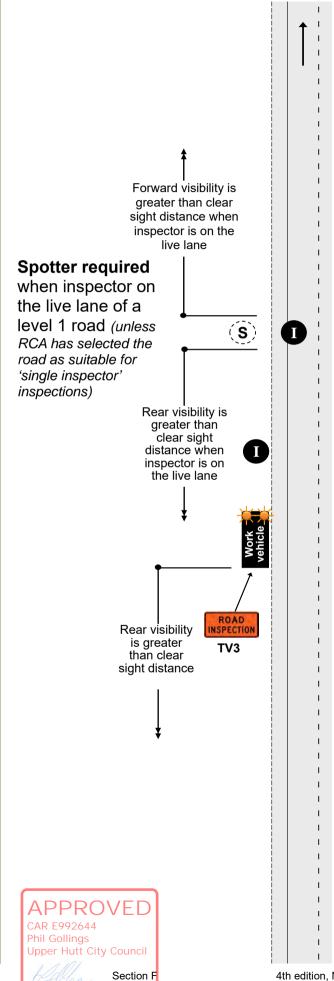


#### INSPECTION ACTIVITIES AND NON-INVASIVE WORKS On shoulder and on the live lane This TMD may also be applied on level LV roads

F4.10 Level 1

#### Notes

- 1.Inspectors must move from live lanes to avoid traffic. They must not expect traffic to drive slowly or drive around them
- 2.On level LV and level 1 roads, a person completing an inspection or non-invasive works cannot be on a live lane for more than 5 minutes
- 3.Unless otherwise approved by the RCA, all inspections on the live lane of level 1 roads require a spotter. The RCA may provide a list of roads, times and/or activities suitable for inspection by a single inspector
- 4. There must be CSD to the inspector when on the live lane. If this cannot be achieved, a spotter must be placed in a position where CSD can be attained and verbal instructions be given to the inspector. If this is not possible, a static or mobile operation is required.
- 5.A spotter is not required for inspections and non-invasive works on level LV roads or working off the live lane of a level 1 road
- 6.Where an unaccompanied inspector is not able to maintain adequate attention (eg due to work tasks or poor visibility), a spotter will be required or another type of traffic management operation used
- 7.For inspection activities that are carried out by a TC on level LV and level 1 roads the STMS must be immediately contactable but does not have to be within 30 minutes travel time of the worksite
- 8.An unaccompanied inspector may walk across a level LV or level 1 road
- 9.A vehicle is not required on a level LV or level 1 road with a permanent speed of less than 65km/h if the inspector remains on a footpath
- 10.On roads with a permanent speed of less than 65km/h an amber flashing beacon is not required on the vehicle if the inspector or non-invasive works is on an unsealed shoulder (or further away from the carriageway including a footpath)



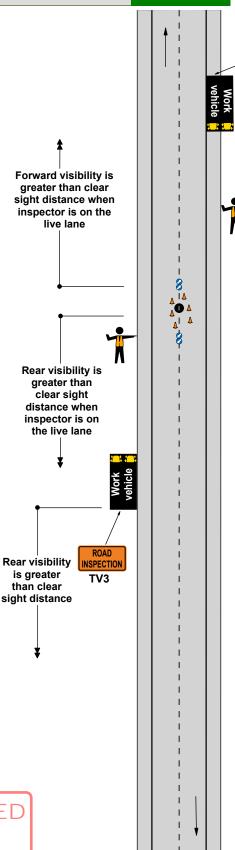
#### **Mobile operations**

# INSPECTION ACTIVITIES AND NON-INVASIVE WORKS Inspection Activity - Centre Of Road This TMD may also be applied on level LV roads

#### ATMS07 Level 1

#### **Notes**

- Inspectors must move from live lanes to avoid traffic. They must not expect traffic to drive slowly or drive around them
- 2.On level LV and level 1 roads, a person completing an inspection or non-invasive works cannot be on a live lane for more than 5 minutes
- 3.Unless otherwise approved by the RCA, all inspections on the live lane of level 1 roads require a spotter. The RCA may provide a list of roads, times and/or activities suitable for inspection by a single inspector
- 4.There must be CSD to the inspector when on the live lane. If this cannot be achieved, a spotter must be placed in a position where CSD can be attained and verbal instructions be given to the inspector. If this is not possible, a static or mobile operation is required.
- 5. Where an unaccompanied inspector is not able to maintain adequate attention (eg due to work tasks or poor visibility), a spotter will be required or another type of traffic management operation used
- 6.For inspection activities that are carried out by a TC on level LV and level 1 roads the STMS must be immediately contactable but does not have to be within 30 minutes travel time of the worksite
- Inspectors MUST use 2 vehicles placed on either side of road shoulder. Inspector & spotter will use footpath to carry cones and cross when way is clear. Cones will be placed (min of 4 each direction) for protection. Spotter must not engage in work activities.



**APPROVED** 

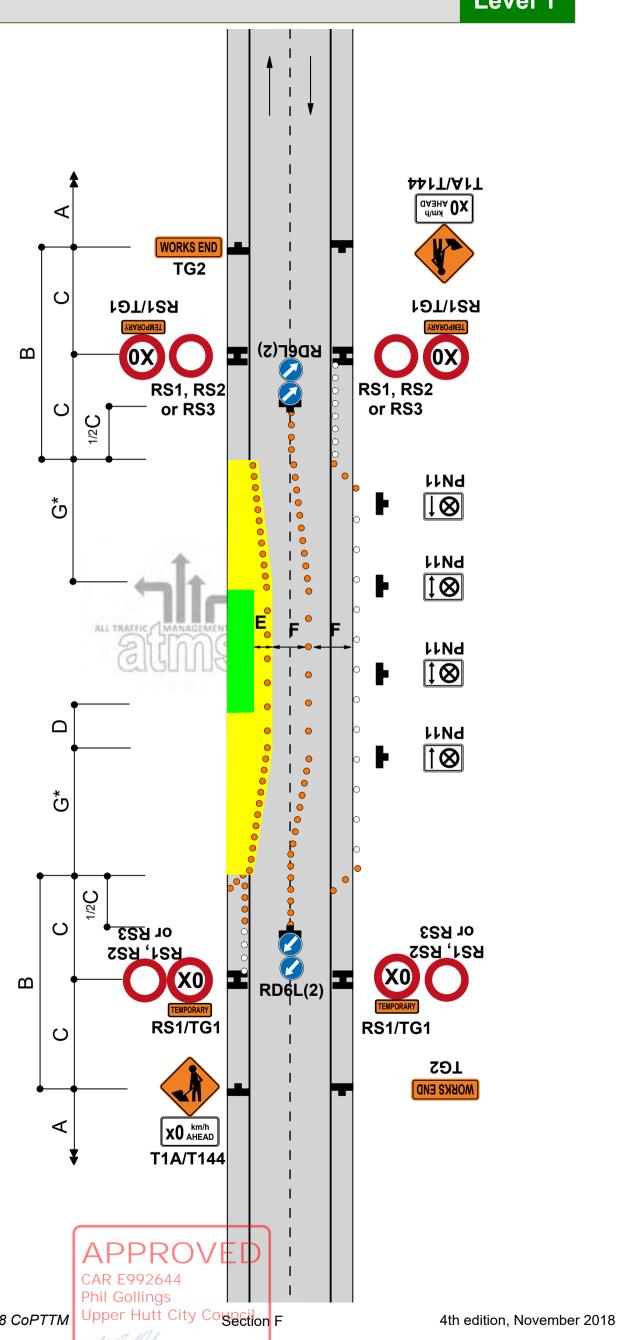
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# TWO-WAY TWO-LANE ROAD Traffic crossing road centre Two lane diversion

F2.13 Level 1

#### Notes

- 1.Cones are required on edge of the temporary lane opposite closure if road is not well defined
- 2.Return taper at end of closure may be shortened
- 3.\*Calculation of taper length for lateral shift of less than 3.5m is: W x G 3.5 W = Width of lateral shift G = Taper length in metres from the level 1 layout distance table
- 4.To allow heavy vehicles to manoeuvre, cones in the channel must be offset by at least 10m where the direction changes. Refer C8.2.12
- 5.Use PN11 No Stopping signs, if necessary
- 6.Use TSLs if required by TSL decision matrix
- 7.The T144 X0km/h AHEAD sign is optional



Traffic control devices manual part 8 CoPTTM

#### **TWO-WAY TWO-LANE ROAD** Single-lane alternating flow Portable e-STOP

ATMS02 Level 1

Notes THIS TMD IS NOT TO BE USED FOR ANY UNATTENDED PERIOD

- 1. Provide details of make and model of portable traffic signals in the TMP
- 2.Use PN11 no stopping signs, if necessary as per the approved TMP
- 3.Install temporary RP61/RP62 signs



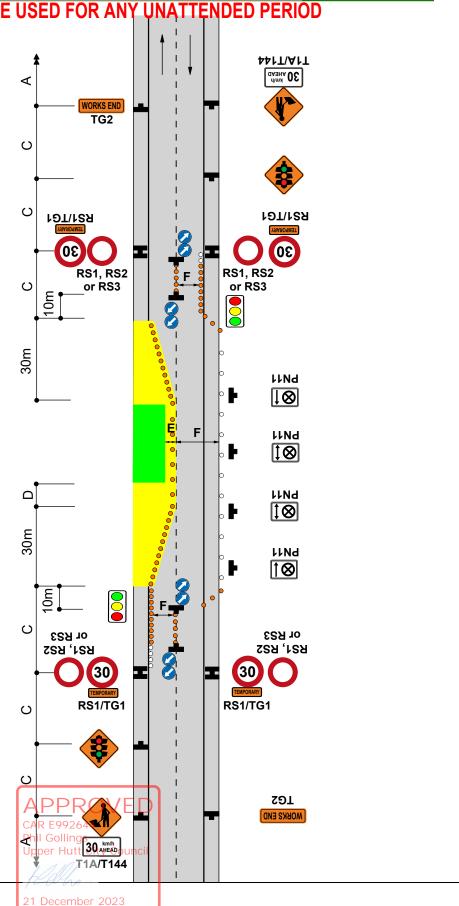


- 4. Minimum 5 cones in cone threshold.
- 5. Extend or place extra advance warning signs towards on-coming traffic beyond any expected traffic queues

#### 6.CONTINGENCY PLAN:

F2.14 to be implemented should issues arise with e-STOP/ adverse weather conditions or where stop go is unsuitable. ex; Short term stoppages is defined as "stopping traffic for a short period of time within a static site, at inconsistent intervals to assist with the entry/exit of vehicles or small tasks required to be undertaken in the live lane".

- 7. In circumstances where for safety reasons, the use of stop/go operations is deemed more appropriate, a site specific safe work method statement must be prepared.
- 8.The T144 30km/h AHEAD sign is optional on roads under 65km/h
- 9. e-STOP can only be used on an attended site. e-STOPs must be manned at all times.

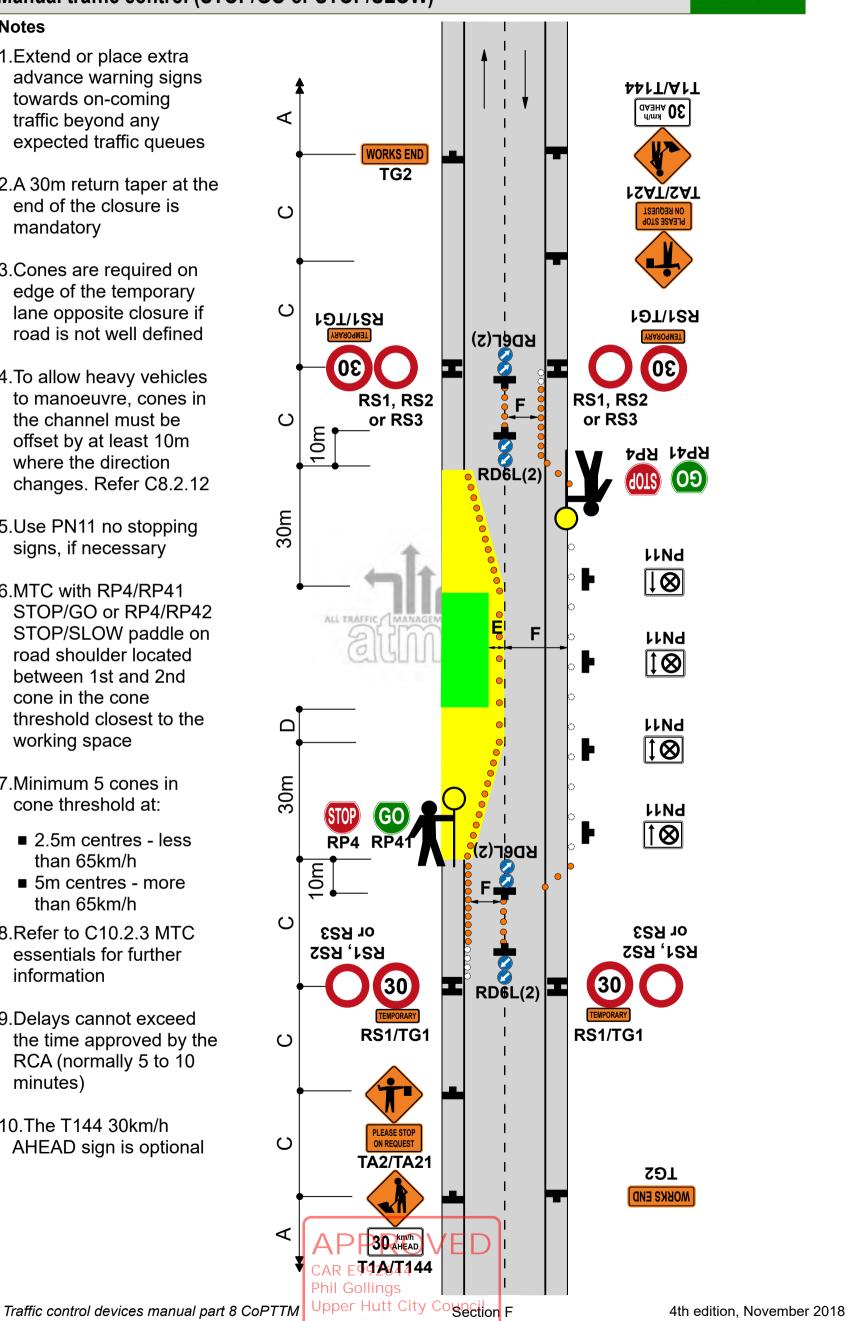


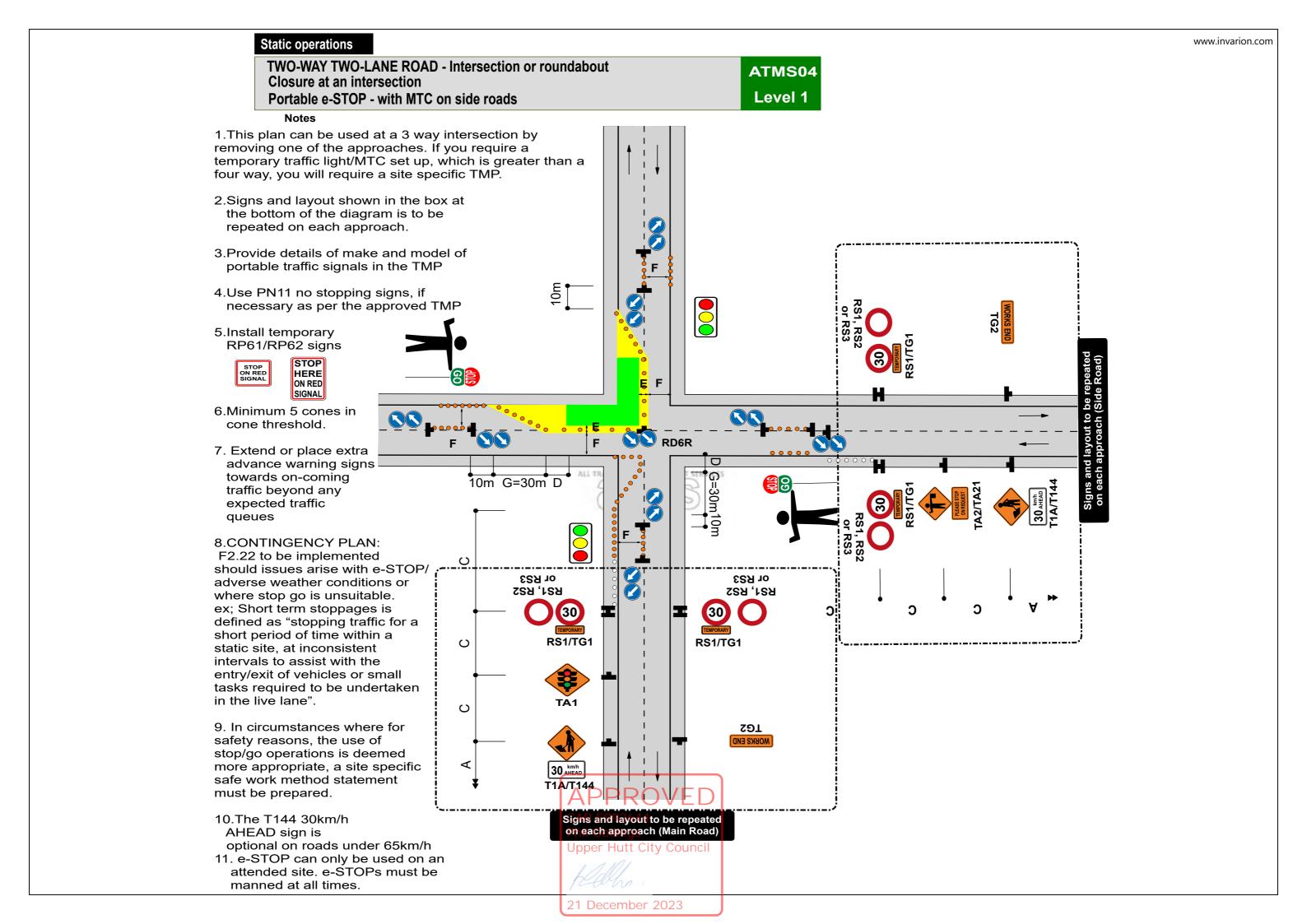
## TWO-WAY TWO-LANE ROAD Single-lane alternating flow Manual traffic control (STOP/GO or STOP/SLOW)

Level 1

#### **Notes**

- 1.Extend or place extra advance warning signs towards on-coming traffic beyond any expected traffic queues
- 2.A 30m return taper at the end of the closure is mandatory
- 3. Cones are required on edge of the temporary lane opposite closure if road is not well defined
- 4.To allow heavy vehicles to manoeuvre, cones in the channel must be offset by at least 10m where the direction changes. Refer C8.2.12
- 5.Use PN11 no stopping signs, if necessary
- 6.MTC with RP4/RP41 STOP/GO or RP4/RP42 STOP/SLOW paddle on road shoulder located between 1st and 2nd cone in the cone threshold closest to the working space
- 7. Minimum 5 cones in cone threshold at:
  - 2.5m centres less than 65km/h
  - 5m centres more than 65km/h
- 8.Refer to C10.2.3 MTC essentials for further information
- 9. Delays cannot exceed the time approved by the RCA (normally 5 to 10 minutes)
- 10.The T144 30km/h AHEAD sign is optional



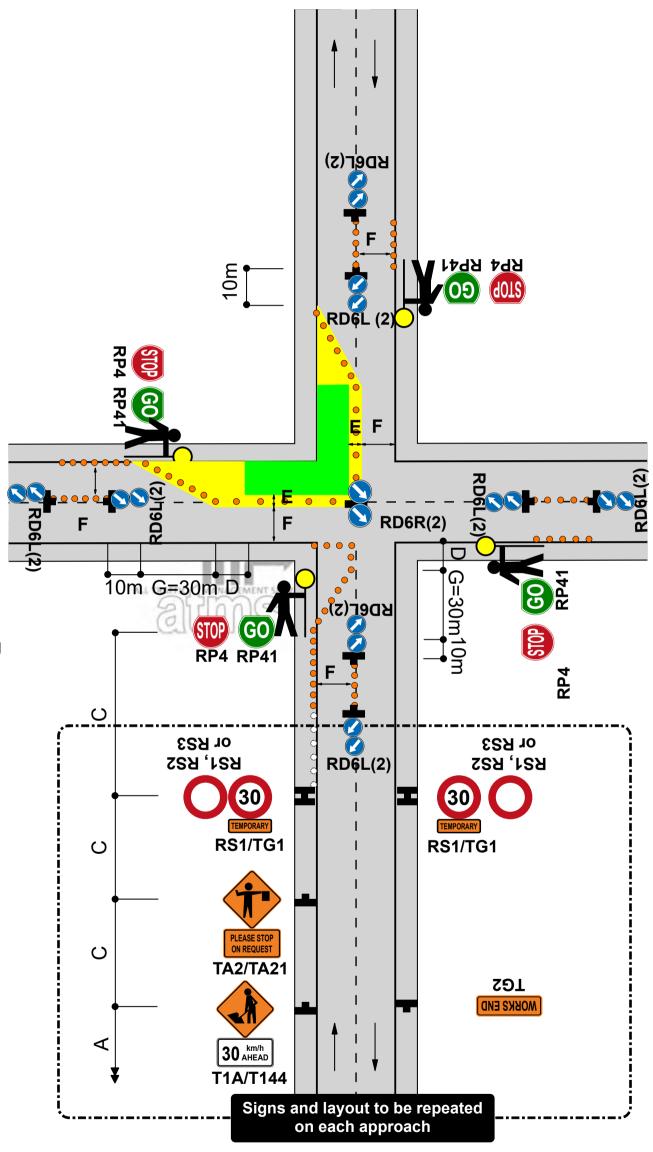


# TWO-WAY TWO-LANE ROAD - Intersection or roundabout Closure at corner of an intersection Manual traffic control (Stop/Go or Stop/Slow)

F2.22 Level 1

#### **Notes**

- 1.This diagram may be used at a T intersection by removing any one of the roads
- 2.Signs and layout shown in the box at the bottom of the diagram is to be repeated on each approach
- 3.A 30m return taper at the end of the closure is mandatory
- 4.Use PN11 no stopping signs, if necessary
- 5.MTC with RP4/RP41 STOP/GO or RP4/RP42 STOP/SLOW paddle on road shoulder located between 1st and 2nd cone in the cone threshold closest to the working space
- 6.Minimum 5 cones in cone threshold at:
  - 2.5m centres less than 65km/h
  - 5m centres more than 65km/h
- 7.Refer to C10.2.3 MTC essentials for further information
- 8.On roads with a permanent speed limit of 100km/h, cones are required from the TSL to the taper if the speed is reduced by more than 30km/h
- 9.The T144 30km/h AHEAD sign is optional



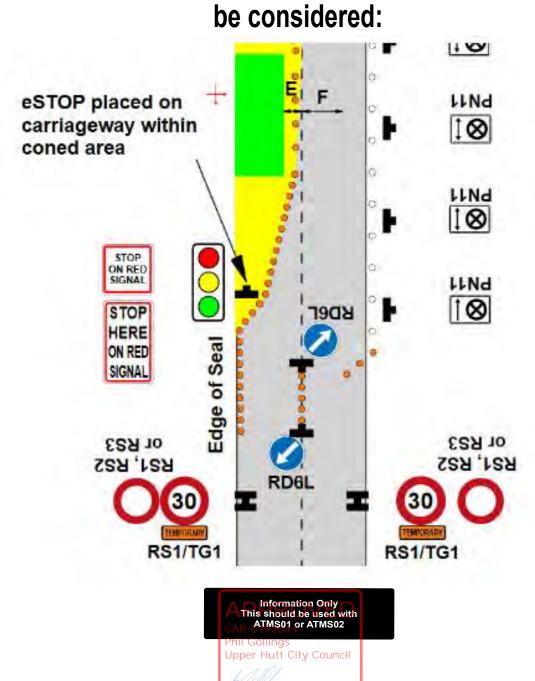
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21 December 2023

4th edition, November 2018

eSTOPs at locations with limited road width or shoulder
The same risk assessment process should be undertaken
for placement of eSTOPs on these types of roads as if a
manual traffic controller was to be placed there.
Ideally approval should be sought for a full road closure.
Where this is not possible, placement of the eSTOP on the
live lane within a coned area as per the example below should

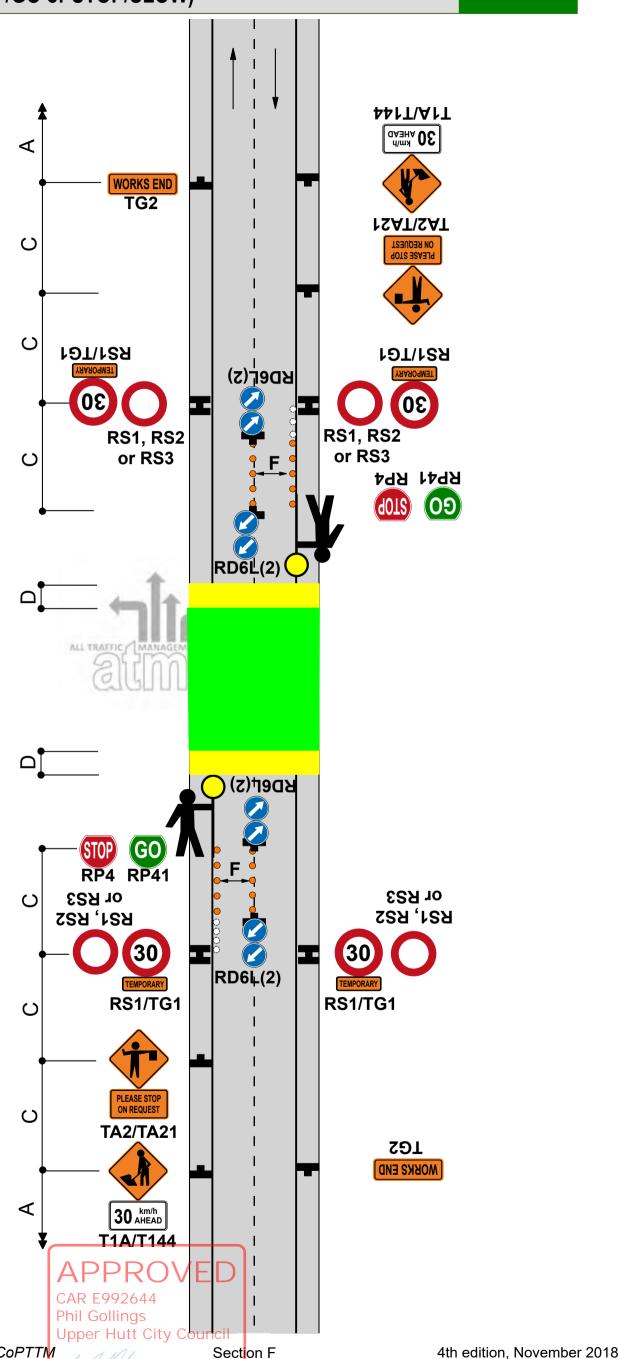


# TWO-WAY TWO-LANE ROAD All traffic stopped temporarily Manual traffic control (STOP/GO or STOP/SLOW)

# **F2.15** Level 1

#### **Notes**

- Closure period not to exceed the limit set or approved by the RCA
- 2.Extend advance
  warning signs towards
  on-coming traffic
  beyond any expected
  traffic queues
- 3.MTC with RP4/RP41 STOP/GO or RP4/RP42 STOP/SLOW paddle on road shoulder located between 1st and 2nd cone in the cone threshold closest to the working space
- 4.Minimum 5 cones in cone threshold at:
  - 2.5m centres less than 65km/h
  - 5m centres more than 65km/h
- 5.MTCs must show same message to oncoming traffic (eg STOP/STOP or GO/GO)
- 6.Refer to C10.2.3 MTC essentials for further information
- 7.When road users are passing the working space in alternating flow, all construction equipment must be stopped on same side of the road if there is no separation from the live lane
- 8. Where damage is likely to occur to passing traffic eg during sealing, traffic must be stopped in both directions
- 9.The T144 X0km/h AHEAD sign is optional



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7 8

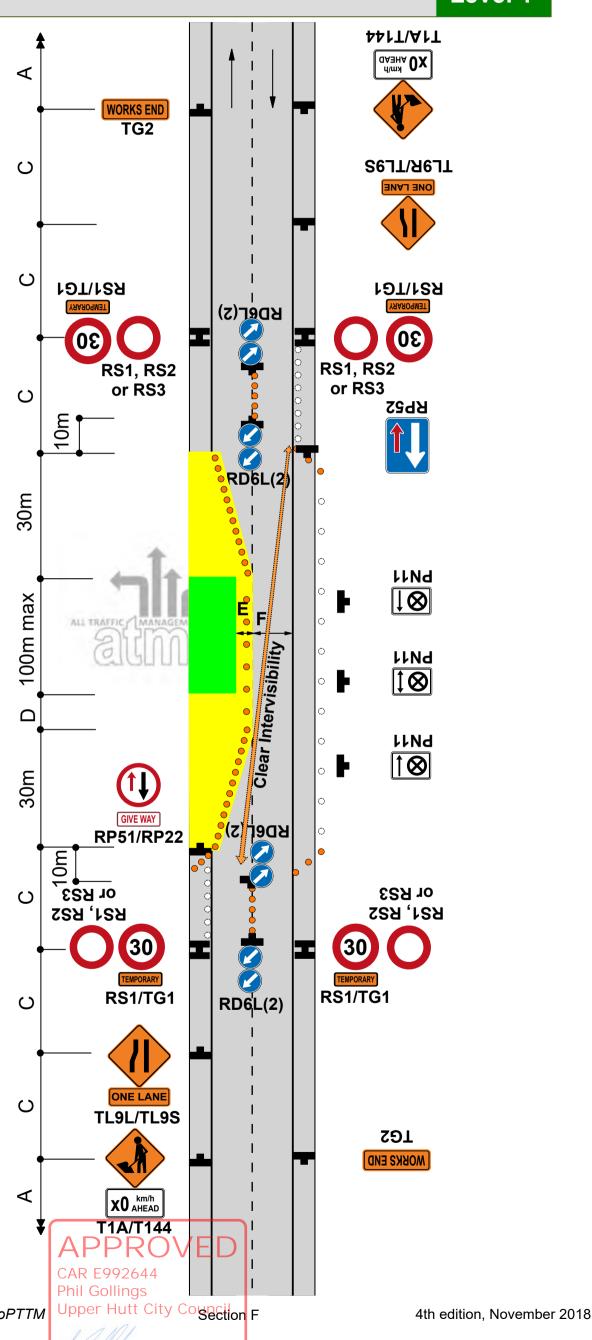
#### TMC APPROVAL REQUIRED FOR BOTH ATTENDED AND UNATTENDED SITES

# TWO-WAY TWO-LANE ROAD Single-lane (traffic volume less than 1000vpd - 80vph) Give way control

**F2.16** Level 1

#### **Notes**

- 1.The RP51/RP22 and RP52 controls must be placed in the following priority order:
  - downhill traffic must give way to uphill traffic
  - traffic that has to cross into the opposing lane gives way, however where visibility for this vehicle is marginal the contractor may require the other vehicle with better visibility to give way
- 2.Intervisibility is required as indicated on diagram. This means that a vehicle at one sign is able to see whether the way ahead is clear
- 3.A 30m return taper at the end of the closure is mandatory
- 4.Use PN11 No Stopping signs, if necessary
- 5.Cones are required on edge of the temporary lane opposite closure if road is not well defined
- 6.The T144 X0km/h
  AHEAD sign is optional



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#### TMC APPROVAL REQUIRED FOR SENSORED TRAFFIC SIGNALS TO BE USED FOR ANY **UNATTENDED PERIOD**

# TWO-WAY TWO-LANE ROAD Single-lane alternating flow Portable traffic signals

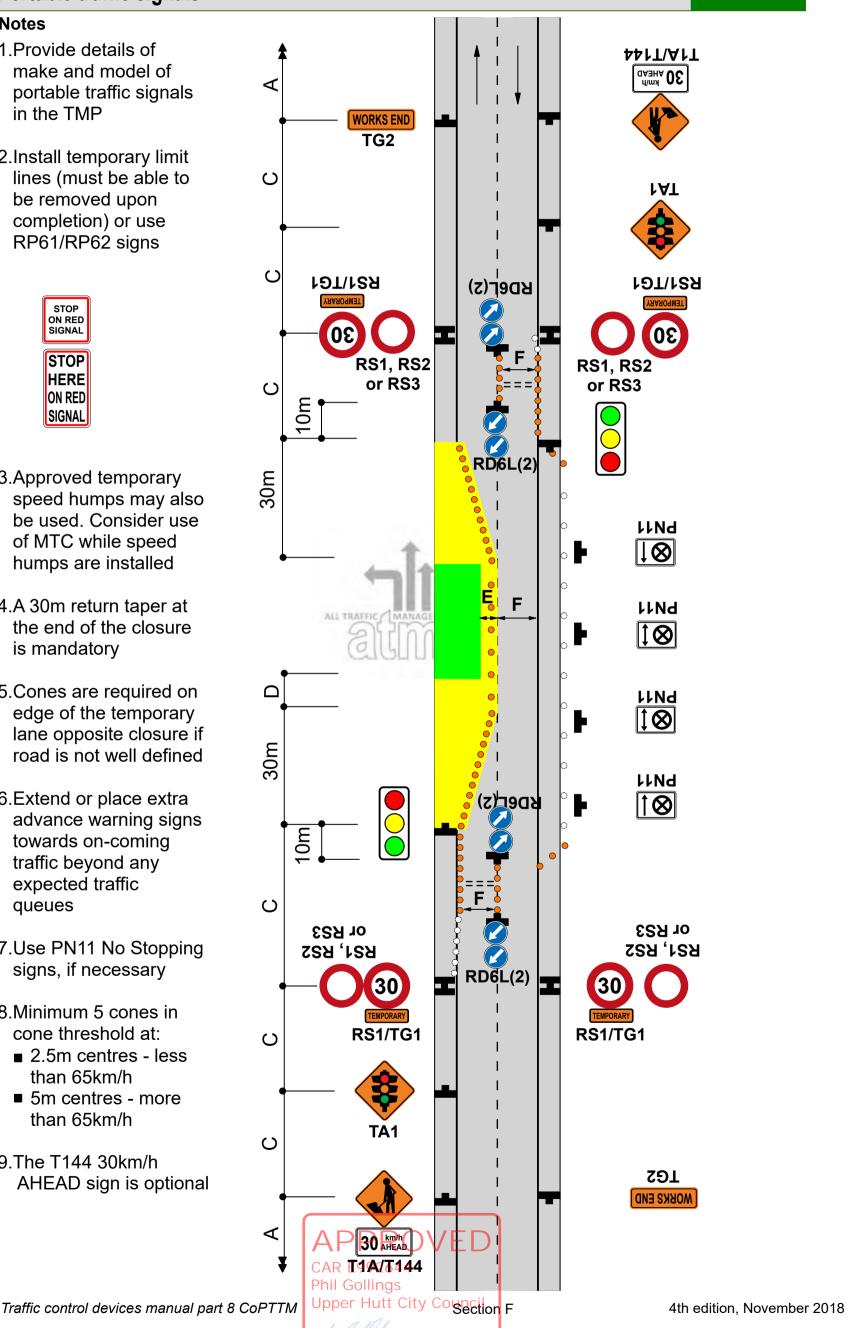
# F2.17 Level 1

#### **Notes**

- 1. Provide details of make and model of portable traffic signals in the TMP
- 2.Install temporary limit lines (must be able to be removed upon completion) or use RP61/RP62 signs



- 3. Approved temporary speed humps may also be used. Consider use of MTC while speed humps are installed
- 4.A 30m return taper at the end of the closure is mandatory
- 5. Cones are required on edge of the temporary lane opposite closure if road is not well defined
- 6.Extend or place extra advance warning signs towards on-coming traffic beyond any expected traffic queues
- 7.Use PN11 No Stopping signs, if necessary
- 8.Minimum 5 cones in cone threshold at:
  - 2.5m centres less than 65km/h
  - 5m centres more than 65km/h
- 9.The T144 30km/h AHEAD sign is optional

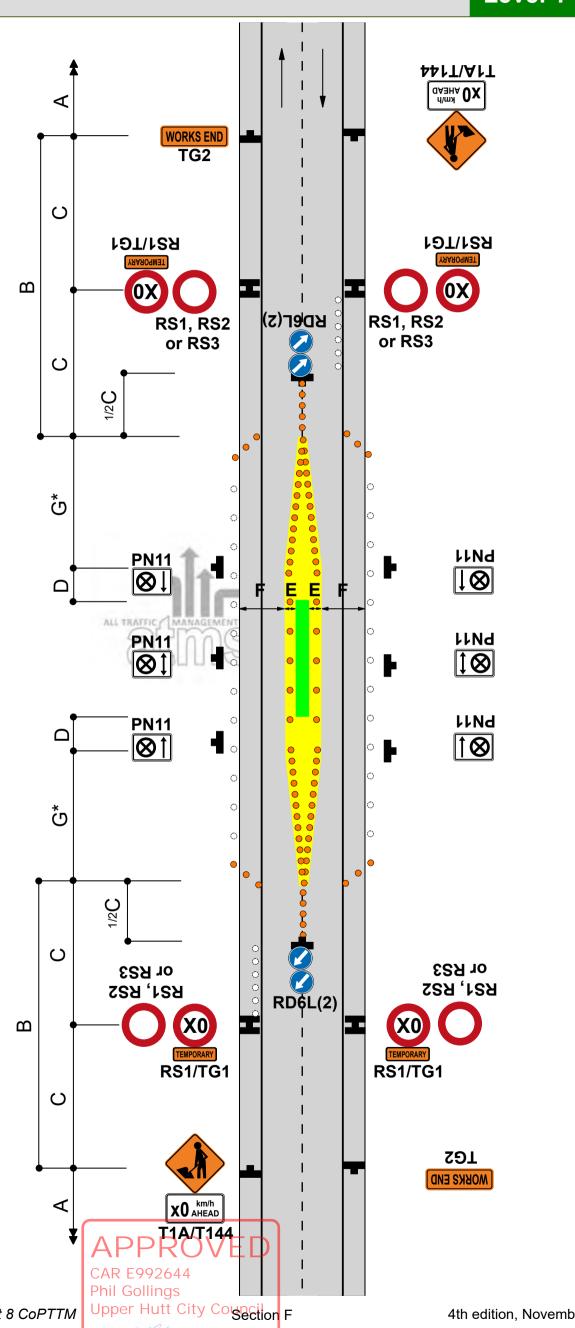


## TWO-WAY TWO-LANE ROAD Work in centre of road

F2.18 Level 1

#### **Notes**

- 1.Cones are required on edge of the temporary lane opposite closure if road is not well defined
- 2.\*Calculation of taper length for lateral shift of less than 3.5m is:  $W \times G$ 3.5
  - W = Width of lateral shift
  - G = Taper length in metres from the level 1 layout distance table
- 3.Use PN11 no stopping signs, if necessary
- 4.Use TSLs if required by TSL decision matrix
- 5.The T144 X0km/h AHEAD sign is optional

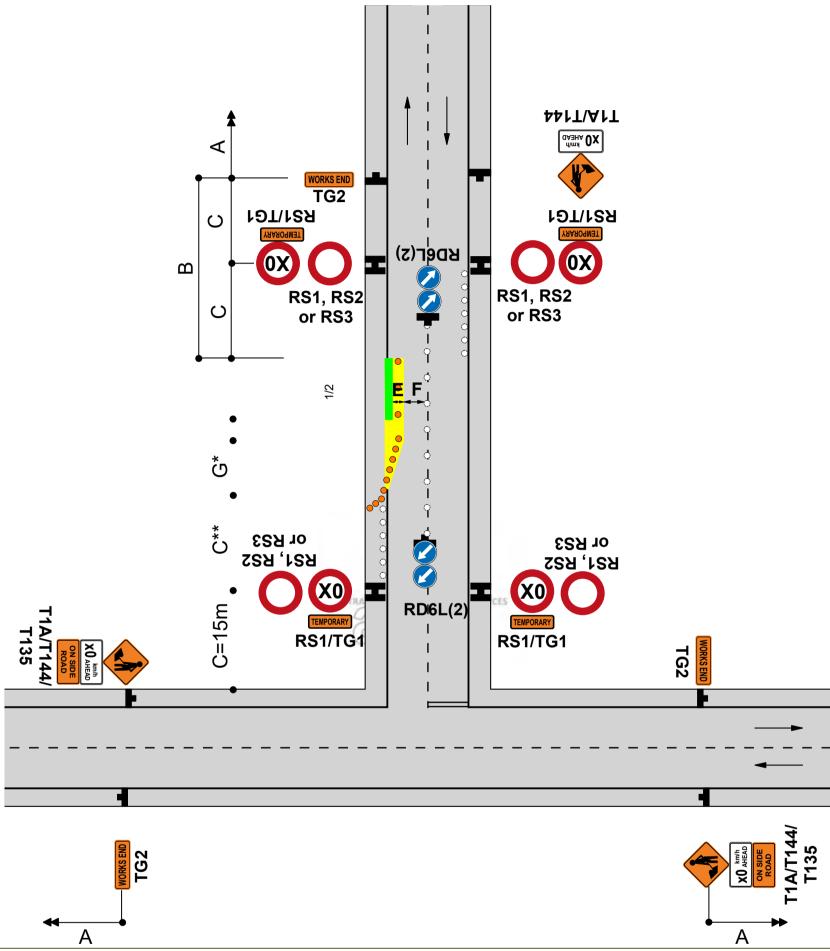


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# TWO-WAY TWO-LANE ROAD - Intersection or roundabout Road works on side road after intersection - TSL on side road Traffic not crossing road centre

**F2.19** Level 1



#### **Notes**

- 1. Sign spacing of TSL at the intersection can be reduced as per the table shown below
- 2. Where minimum dimensions cannot be achieved TMD F2.20 is to be used
- 3. Advance warning signs on main road must be at least the warning distance away from first cone in taper
- 4.\*Calculation of taper length for lateral shift of less than 3.5m is:

W x G W = Width of lateral shift

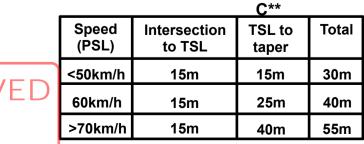
- 3.5 G = Taper length in metres from the level 1 layout distance table
- 5.If traffic likely to cross the centreline, place cones on the centreline with RD6L signs at each end

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Phil Gollings

6.Use TSLs as required by TSL decision matrix

7. The T144 30km/h AHEAD sign is optiona



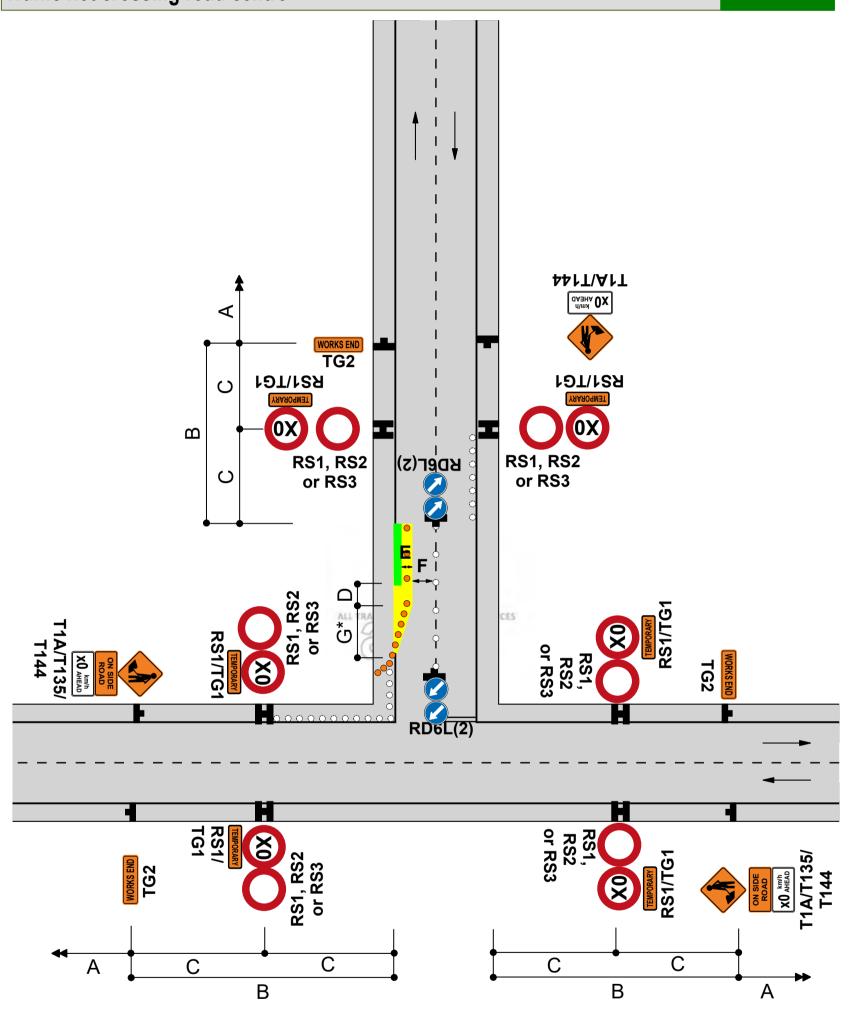
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TWO-WAY TWO-LANE ROAD - Intersection or roundabout Road works on side road after intersection - TSL on main road Traffic not crossing road centre

**F2.20** Level 1



#### **Notes**

- 1.\*Calculation of taper length for lateral shift of less than 3.5m is:
  - W x G W = Width of lateral shift
  - 3.5 G = Taper length in metres from the level 1 layout distance table
- 2.If traffic likely to cross the centreline, place cones on the centreline with RD6L signs at each end
- 3.Use TSLs as required by TSL decision matrix
- 4.The T144 X0km/h AHEAD sign is optional

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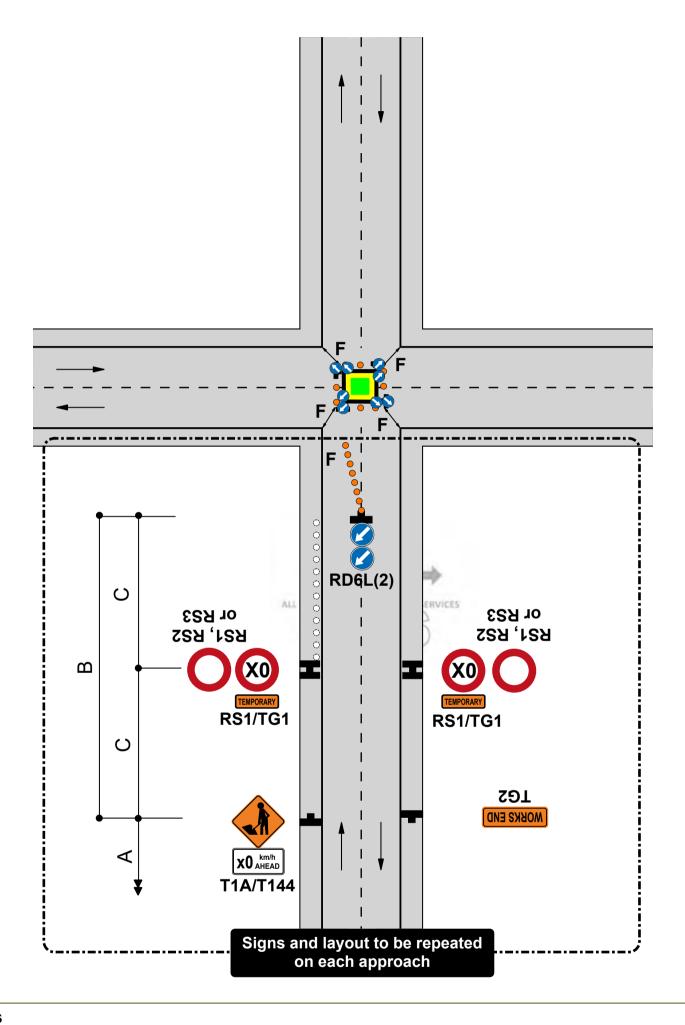
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# **Static operations**

## **TWO-WAY TWO-LANE ROAD - Intersection or roundabout** Work in middle of intersection

F2.21 Level 1



#### **Notes**

- 1. This diagram may be used at a T intersection by removing any one of the roads
- 2. Signs and layout shown in the box at the bottom of the diagram is to be repeated on each approach
- 3.RD6L signs are not required at an existing roundabout
- 4. Cone tapers are optional at existing roundabouts
- 5.Lane widths, F, may need to be increased to allow for turning movements of larger vehicles
- 6.Use TSLs if required by TSL decision matrix
- 7. The T144 X0km/h AHEAD sign is optional



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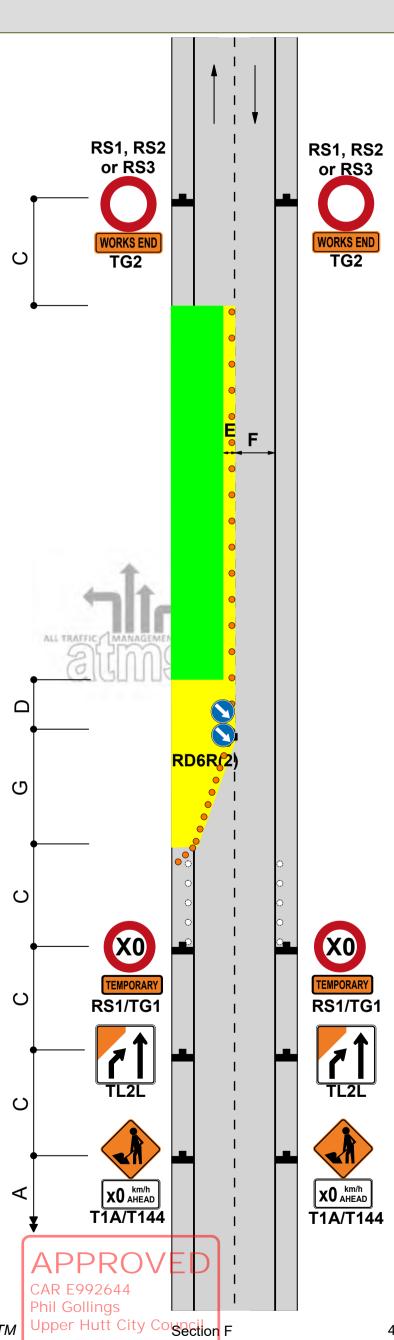
Traffic control devices manual part 8 CoPTTM

# ONE-WAY TWO-LANE DIVIDED OR TWO-LANE ROAD Left-lane closure

**F2.30** Level 1

### Notes

- 1.Use TSLs if required by TSL decision matrix
- 2.On roads with a permanent speed limit of 100km/h, cones are required from the TSL to the taper if the speed is reduced by more than 30km/h
- 3.The T144 X0km/h AHEAD sign is optional



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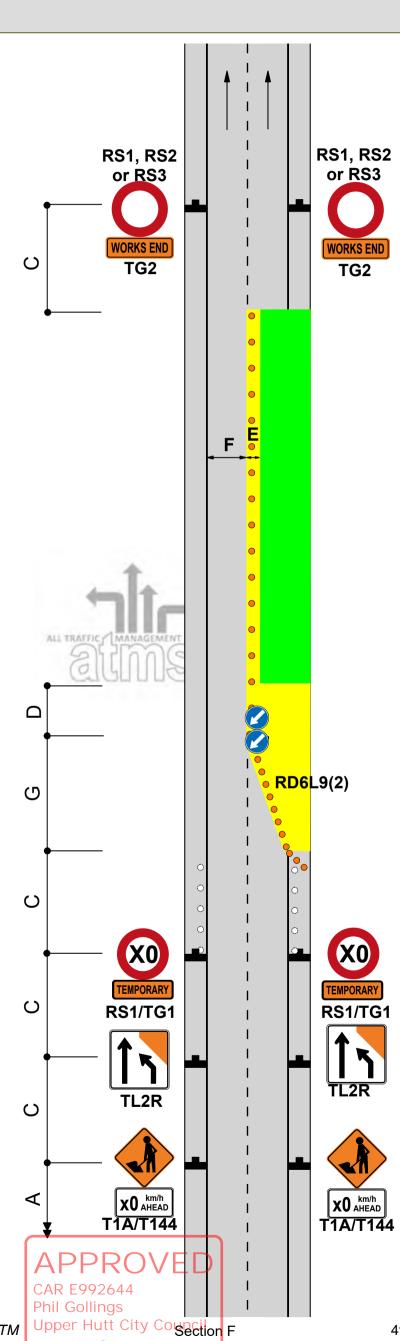
4th edition, November 2018

# ONE-WAY TWO-LANE DIVIDED OR TWO-LANE ROAD Right-lane closure

F2.31 Level 1

### **Notes**

- 1.Use TSLs if required by TSL decision matrix
- 2.On roads with a permanent speed limit of 100km/h, cones are required from the TSL to the taper if the speed is reduced by more than 30km/h
- 3.The T144 X0km/h AHEAD sign is optional

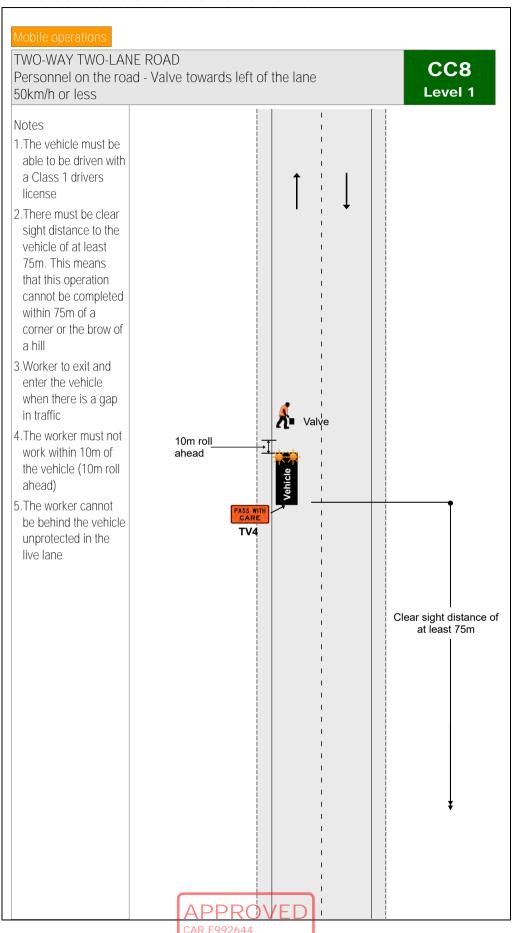


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# CC8 - Valve towards left of the lane

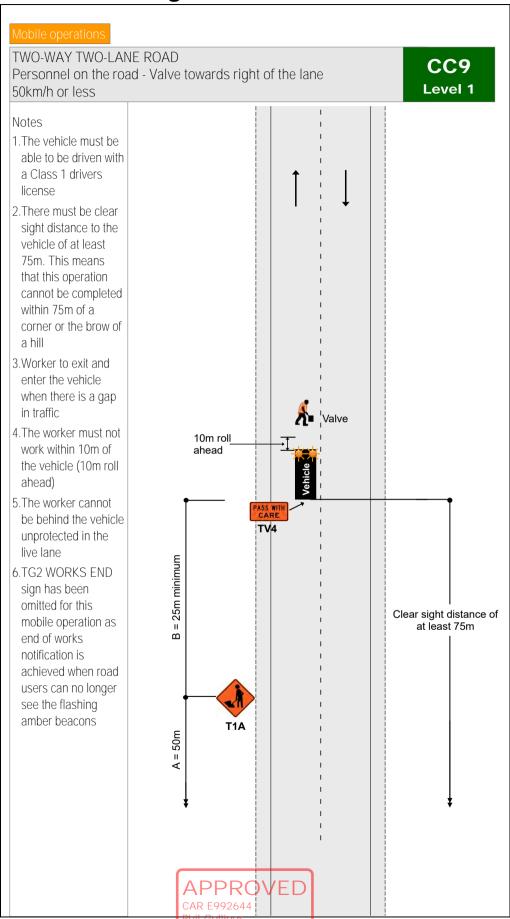


Traffic control devices manual part 8 CoPTTM

Section Epappendix Ay Traffic management plans

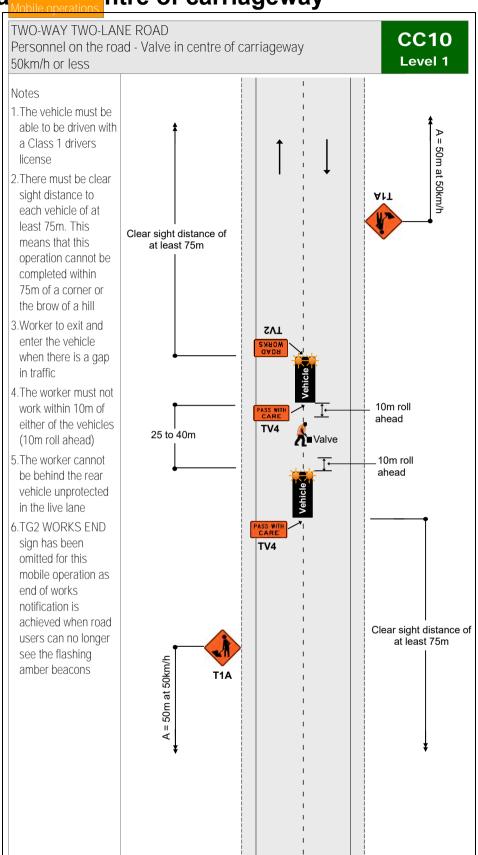


# CC9 - Valve towards right of the lane





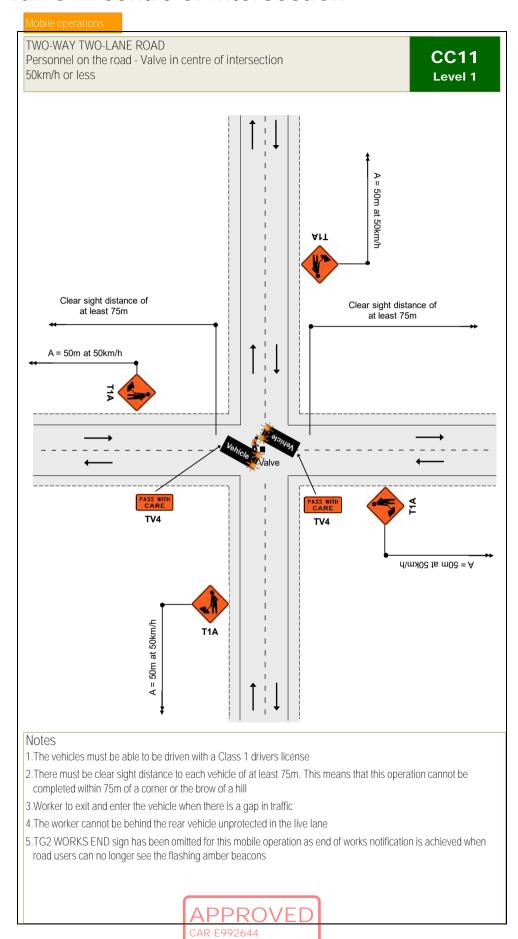
CC10 - Valve in centre of carriageway





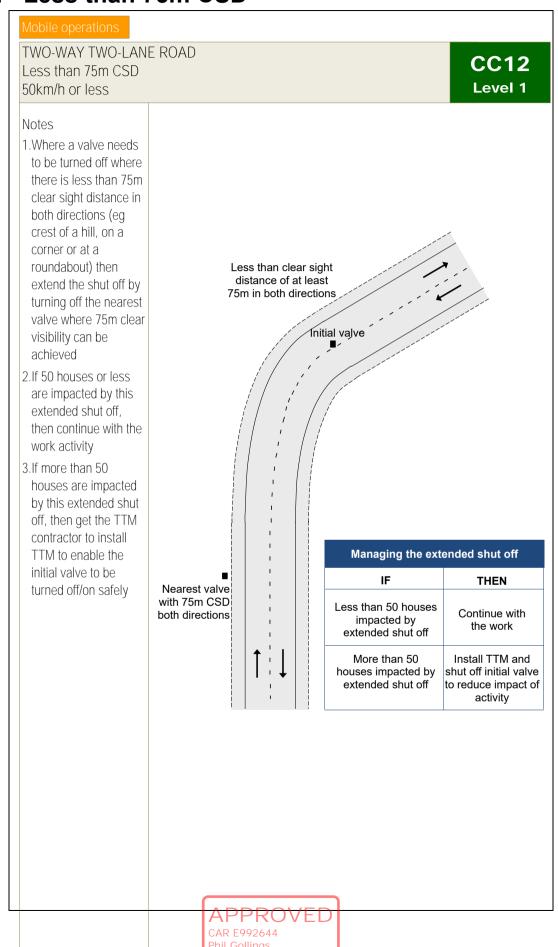


# CC11 - Valve in centre of intersection





## CC12 - Less than 75m CSD



Traffic control devices manual part 8 CoPTTM

Section Epappendix Ay Traffic management plans

Edition 4, April 2020

TWO-WAY TWO-LANE ROAD F4.1 Work vehicle is more than five (5) metres from the edgeline Level 1 Any speed Greater than 5m T1A/T136

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Upper Hutt City Council
Section F

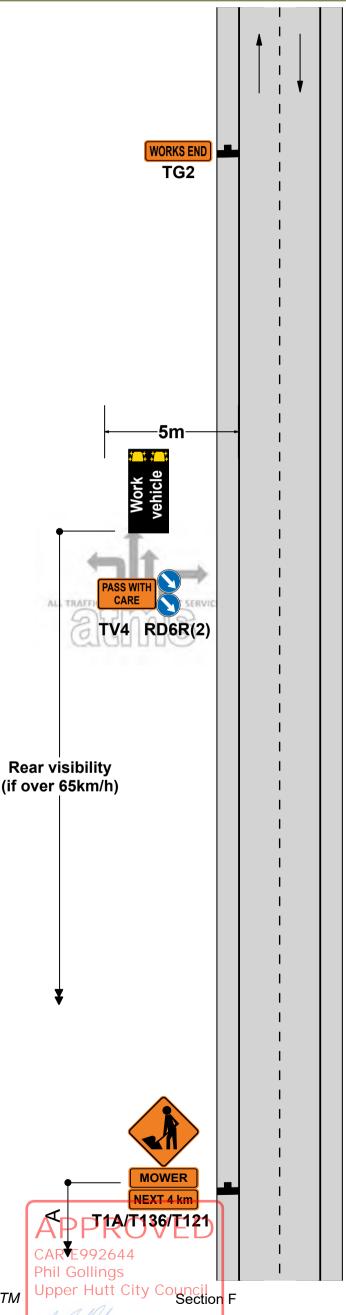
# **Mobile operations**

# TWO-WAY TWO-LANE ROAD Work vehicle is within five (5) metres of the edgeline CSD to work vehicle - not required under 65km/h, required over 65km/h

**F4.2** Level 1

Notes

- 1.If permanent speed is under 65km/h, rear visibility to the work vehicle is not required
- 2.If permanent speed is over 65km/h, rear visibility to the work vehicle is required
- 3.A tail pilot vehicle equipped with T1A advance warning sign, appropriate supplementary plate and RD6R may replace the static signs if the permanent speed is under 65km/h (see TMD F4.3)



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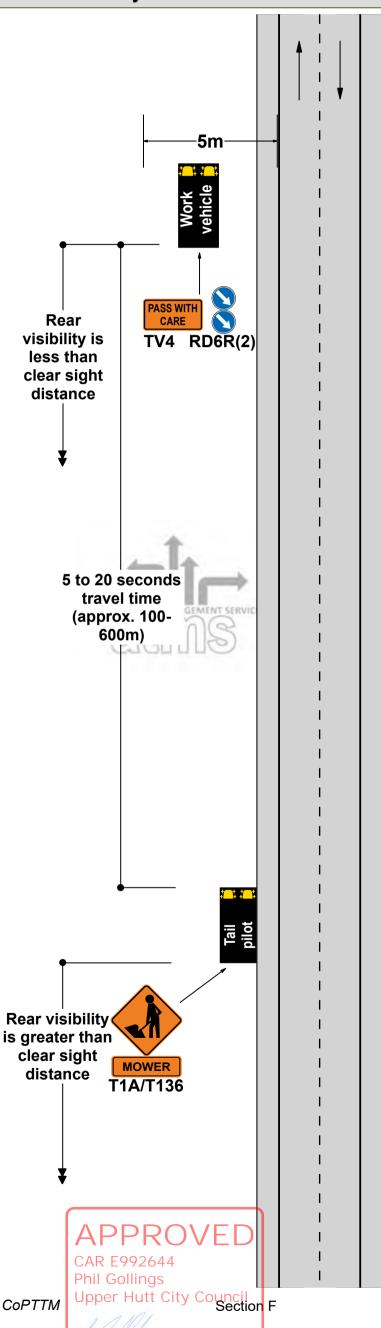
# **Mobile operations**

# TWO-WAY TWO-LANE ROAD Work vehicle is within five (5) metres of the edgeline Speed limit over 65km/h - the rear visibility is less than CSD

**F4.3** Level 1

## Notes

1.This TMD can replace TMD F4.2 when permanent speed is under 65km/h. In these situations, static signs are not required



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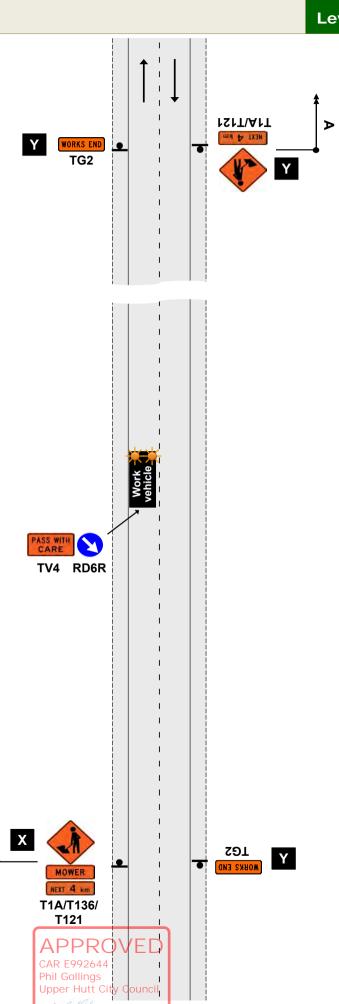
### Mobile operations

### TWO-WAY TWO-LANE ROAD Work vehicle is in a lane Permanent speed under 65km/h

**F4.4** Level 1

### Notes

- 1. Advance warning sign X may be replaced by tail pilot equipped with T1A advance warning sign and appropriate supplementary plate
- 2.In this case, signs marked with Y do not need to be erected
- 3.If using static advance warning signs and the operation is on the lane, then static advance warning signs must also be placed on any intersecting roads



Section F

ATMS06

Level 1

#### **Mobile operations**

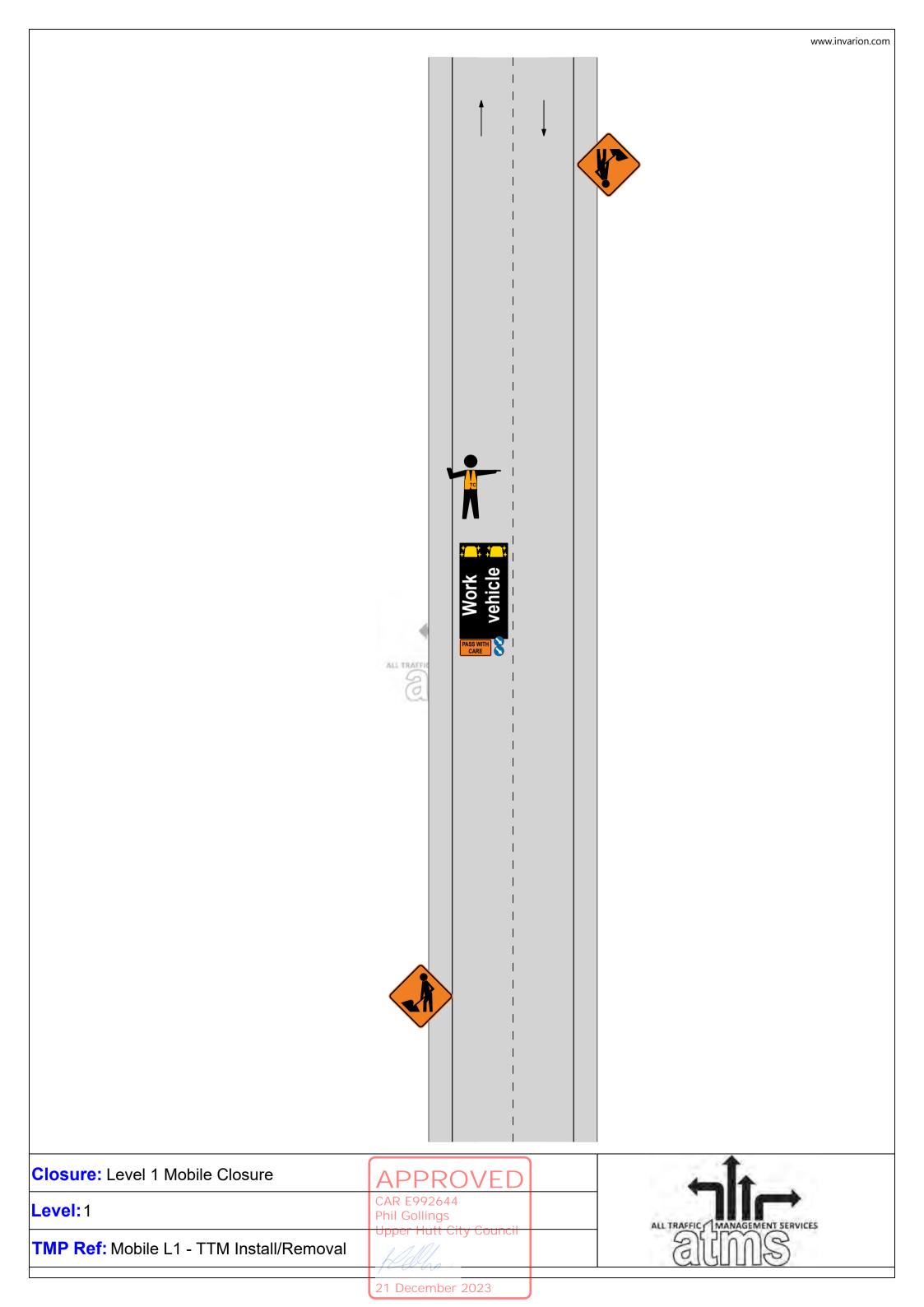
# ONE-WAY TWO-LANE DIVIDED OR TWO-LANE ROAD Part or all of a lane occupied Somi static electric work for up to 4 hours

Semi-static closure - work for up to 1 hour

Notes

- 1.Only use this TMD when activity can be completed within 1 hour (excluding set up and removal of worksite)
- 2.The T1A advance warning signs may be replaced by a tail pilot vehicle with a T1A sign, appropriate supplementary plate and a RD6R/L
- 3.If shadow vehicle is fitted with a TMA, the longitudinal safety zone (D) is not required
- 4.If using static advance warning signs and the operation is on the lane, then static advance warning signs must also be placed on any intersecting roads.
- 5. This site can be used on the opposite (left) lane also.

RD6L TV4 10m roll ahead Arrow board PASS WITH CARE TV4 വ മ APPROVE CAR E992644 Phil Gollings Upper Hutt City Council



# CYCLE LANE Traffic not crossing road centre Diverted cycle lane

**F2.8** Level 1

### Notes

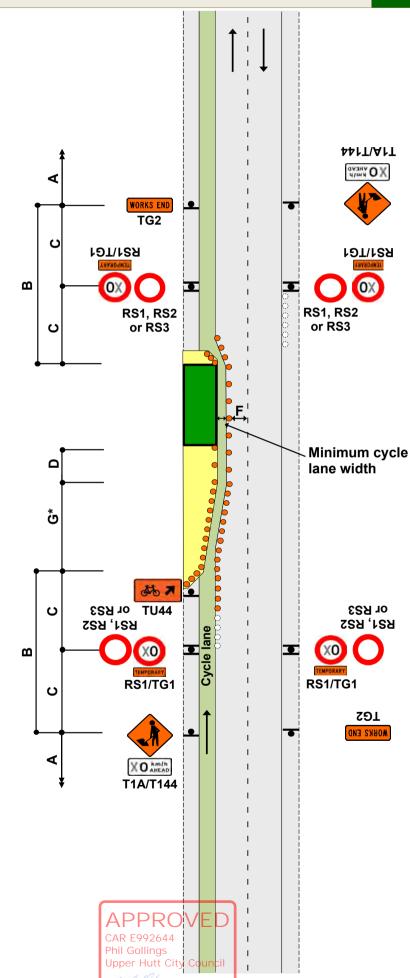
- 1. Minimum cycle lane width must be:
  - 1m 50km/h or less
  - 1.5m 60km/h or more
- 2.A minimum cycle lane width of 1.5m is required if the temporary cycle lane is uphill
- 3.\*Calculation of taper length for lateral shift of less than 3.5m is:

### $W \times G$

3.5

W = Width of lateral shift

- G = Taper length in metres from the level 1 layout distance table
- 4.Use TSLs if required by TSL decision matrix
- 5.The T144 X0km/h AHEAD sign is optional



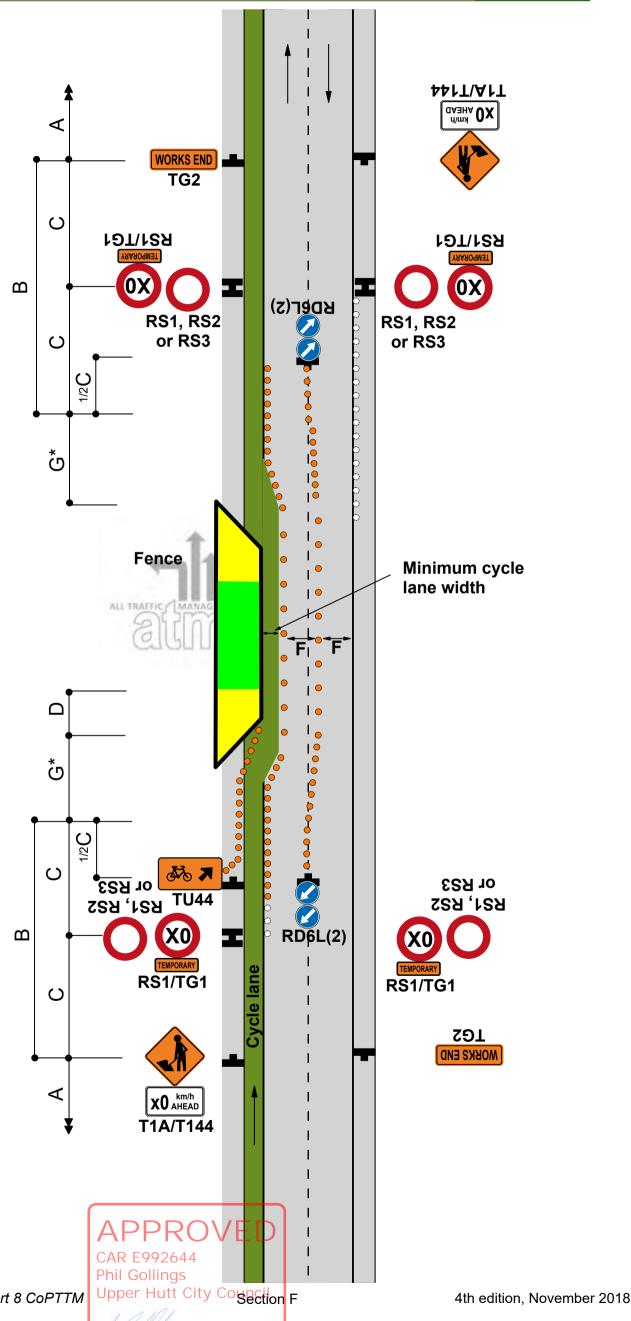
Section F

# **CYCLE LANE** Traffic crossing road centre Diverted cycle lane - coned lane control

F2.9 Level 1

### **Notes**

- 1.Minimum cycle lane width must be:
  - 1m 50km/h or less
  - 1.5m 60km/h or more
- 2.A minimum cycle lane width of 1.5m is required if the temporary cycle lane is uphill
- 3.\*Calculation of taper length for lateral shift of less than 3.5m is:  $W \times G$ 3.5 W = Width of lateral
  - shift
  - G = Taper length in metres from the level 1 layout distance table
- 4.To allow heavy vehicles to manoeuvre, cones in the channel must be offset by at least 10m where the direction changes. Refer C8.2.12
- 5.Use TSLs if required by TSL decision matrix
- 6.The T144 X0km/h AHEAD sign is optional



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# CYCLE LANE Cycle lane closed Poratable e-STOP

# ATMS03 Level 1

#### **Notes**

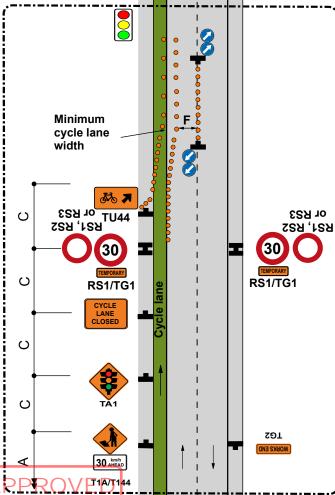
- Merge of cycle lane
   with live lane must be
   delineated with cones at
   1.0m centres for at least 10m
- 2.The T144 30km/h
  AHEAD sign is optional on roads
  under 65km/h
- 3. Signs and layout shown in the box at the bottom of the diagram is to be repeated on each approach that requires cycle lane signage. ATMS01 or ATMS02 to be used on all non cycle lane approaches.
- 3. Provide details of make and model of portable traffic signals in the TMP
- 4.Use PN11 no stopping signs, if necessary as per the approved TMP
- 5.Install temporary RP61/RP62 signs. STOP NRED STOP HERE
- 7. Extend or place extra advance warning signs towards on-coming traffic beyond any expected traffic queues.

#### **8.CONTINGENCY PLAN:**

F2.14 or F2.22 to be implemented should issues arise with e-STOP/ adverse weather conditions or where stop go is unsuitable. ex; Short term stoppages is defined as "stopping traffic for a short period of time within a static site, at inconsistent intervals to assist with the entry/exit of vehicles or small tasks required to be undertaken in the live lane".

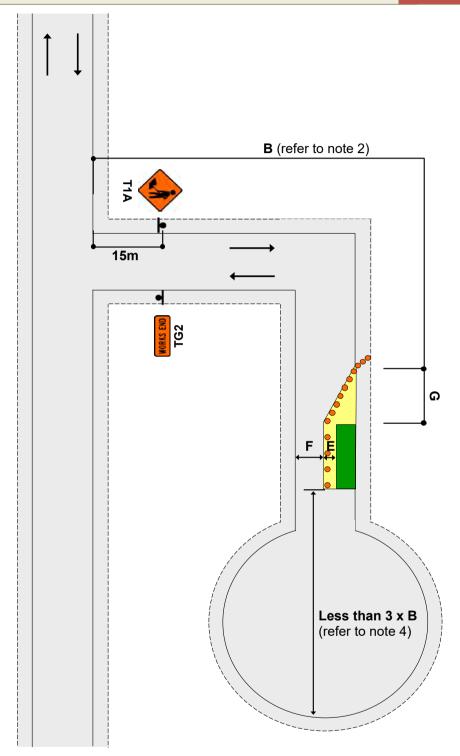
 In circumstances where for safety reasons, the use of stop/go operations is deemed more appropriate, a site specific safe work method statement must be prepared.

10.e-STOP can only be used on an attended site. e-STOPs must be Amanned at all times.



CAR E992644 Phil Gollings Upper Hutt City Counc Signs and layout to be repeated on each cycle lane approach Follow ATMS01 & ATMS02 for non cycle lane approaches.

Level 1

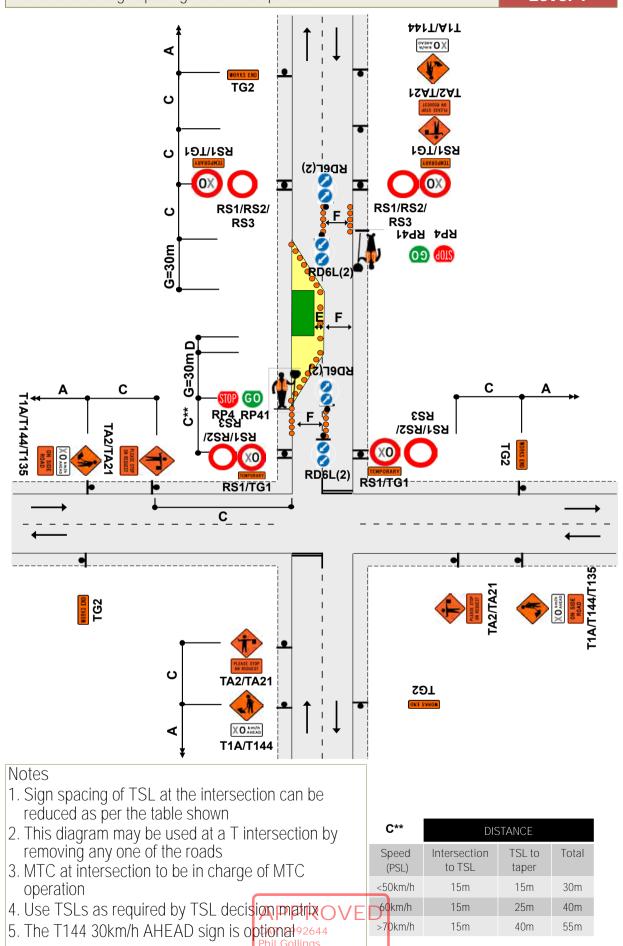


### Notes

- 1. T1A sign to be placed at least 15m from the intersection
- 2. Where less than B, T1A/T135 and TG2 signs required on main road
- 3. Working space to be less than 100m
- 4. Signage is not required past the worksite where there is less than 3 x B from the end of the working space to the end of the road

TWO-WAY TWO-LANE ROAD - Intersection or roundabout Major obstruction close to intersection Allows shorter sign spacings and MTC operation

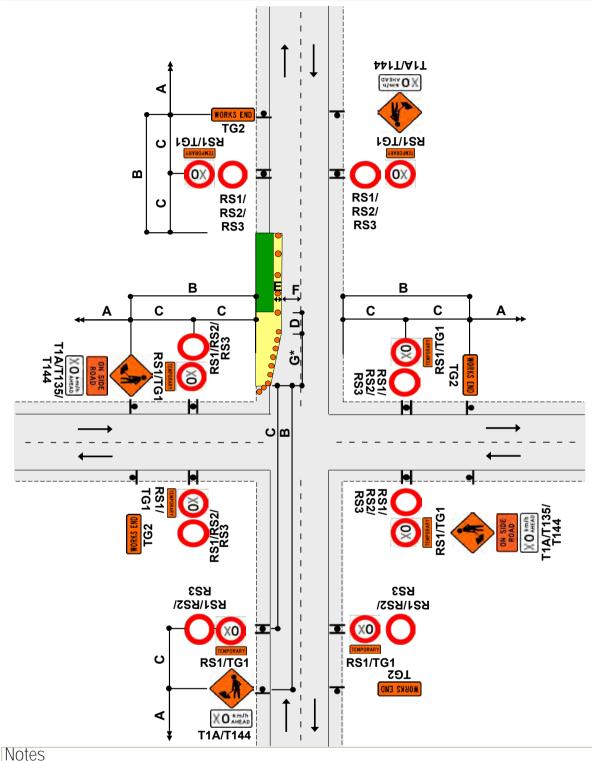
**J2.19a**Level 1



TWO-WAY TWO-LANE ROAD - Intersection or roundabout After intersection - Traffic not crossing road centre

J2.20a

Level 1



- 1. This diagram may be used at a T intersection by removing any one of the roads,
- 2. Taper length may be reduced by adding a RD6R sign
- 3. \*Calculation of taper length for lateral shift of less than 3.5m is:

WxG

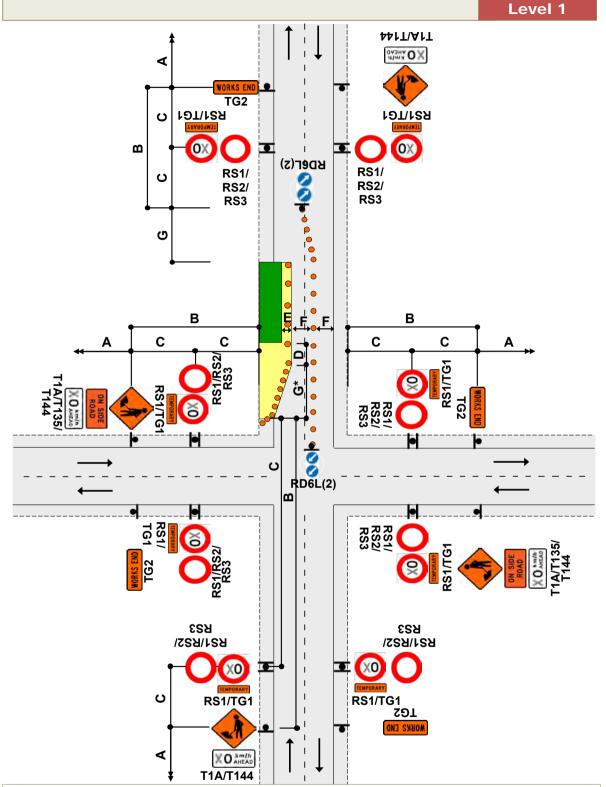
W = Width of Shoulder G = Taper length in metres from the level 1 layout distance

- 4. Use TSLs if required by TSL dedision matrix //FD
- 5. The T144 X0km/h AHEAD sign is optional 644

RD6R

TWO-WAY TWO-LANE ROAD - Intersection or roundabout After intersection - Traffic crossing road centre

J2.20b



### Notes

- 1. This diagram may be used at a T intersection by removing any one of the roads
- 2. Taper length may be reduced by adding a RD6R sign
- 3. \*Calculation of taper length for lateral shift of less than 3.5m is: W x G

3.5

W = Width of Shoulder G = Taper length in metres from the level 1 layout distance table

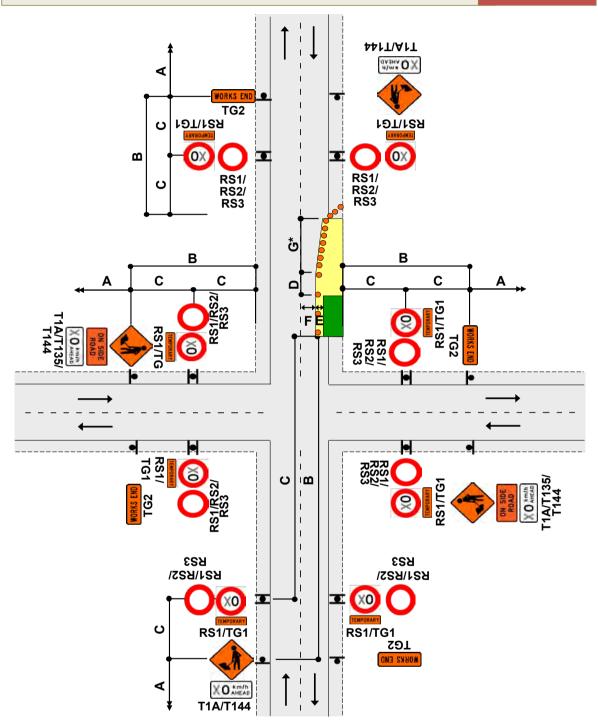
- 4. Use TSLs if required by TSL decision matrix ROVED
- 5. The T144 X0km/h AHEAD sign is optional E992644



RD6R

TWO-WAY TWO-LANE ROAD - Intersection or roundabout Before intersection - Traffic not crossing road centre

**J2.20c**Level 1



### Notes

- 1. This diagram may be used at a T intersection by removing any one of the roads
- 2. Taper length may be reduced by adding a RD6R sign
- 3. \*Calculation of taper length for lateral shift of less than 3.5m is:

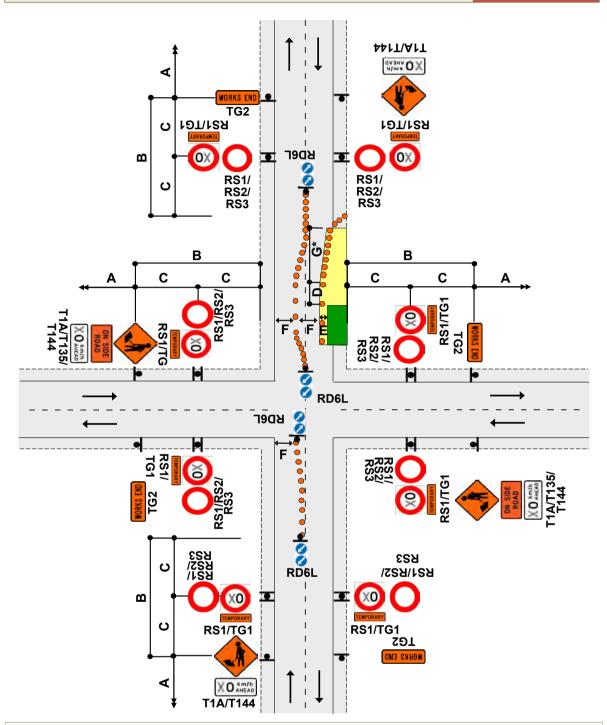
W x G 3.5

W = Width of Shoulder G = Taper length in metres from the level 1 layout distance table

- 4. Use TSLs if required by TSL decision matrix
- 5. The T144 X0km/h AHEAD sign is optional



RD6R



### Notes

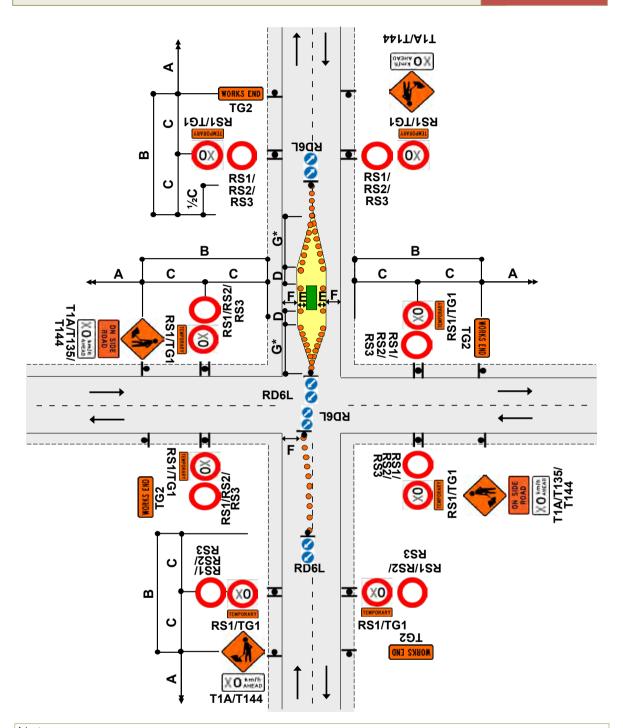
- 1. This diagram may be used at a T intersection by removing any one of the roads
- 2. \*Calculation of taper length for lateral shift of less than 3.5m is:

### WxG

3.5

W = Width of lane G = Taper length in metres from the level 1 layout distance table

- 3. Install shifting taper to move road users into the new alignment
- 4. Use TSLs if required by TSL decision matrix
- 5. The T144 X0km/h AHEAD sign is op ional E992644



### Notes

- 1. This diagram may be used at a T intersection by removing any one of the roads
- 2. \*Calculation of taper length for lateral shift of less than 3.5m is:

# $\frac{\text{W x G}}{\text{2.5}}$

3.5

W = Width of lane G = Taper length in metres from the level 1 layout distance table

- 3. Install shifting taper to move road users into the new alignment
- 4. Use TSLs if required by TSL decision matrix
- 5. The T144 X0km/h AHEAD sign is optional