

RCA consent (e.g., CAR/WAP) and/or RCA contract reference

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.

, ,	0	<i>,,</i>					•			
	TMP reference: Contractor (Working space):			Principal (Client):						
Organizations		CDL//B	WANAK	ing		CDL//Building				
/TMP reference		Contractor (1	TTM):			RCA:				
		TIMS TRAFFIC MANAGEM SERVICES CENTRAL	AENT GO			\sim	QUEENSTOWN LAKES DISTRICT COUNCIL			
Location details and road	Ro	ad names and s	suburb				House no./RPs (from and to)	Re	oad evel	Permanent speed
characteristics	Brownston St, Wa	ınaka: 10808 (e	st.) 24/07	7/20 6% H	Η.	RP 0.5	500 to RP 0.820		L1	40 km/h
	Pembroke Ln, Wa	naka: 113 (est.)	23/08/1	9 6% H.		RP 0.0	000 to RP 0.040		LV	40 km/h
	Dungarvon St, Wa	anaka: 4684 (es	t.) 23/08/	/19 4% H		RP 0.1	00 to RP 0.300		L1	40 km/h
	Helwick St, Wana	ka: 4123 (est.) 2	24/07/20	5% H.		RP 0.1	10 to RP 0.300	P	L1	40 km/h
	Dunmore St, Wan	aka: 4484 (est.)	23/08/19	9 10% H.		RP 0.0	000 to RP 0.175		L1	40 km/h
Traffic details	AADT					Peak	flows			
(main route)	SH 8, Alexandra 5	607 (est.) 24/12	/2020 6.4	4% H.		07:00 – 09:00 and 16:00 – 18:00 hrs. (est.)				
Description of wo	ork activity									
CDL/Building Wan Wanaka.	aka have been com	missioned to cor	nstruct th	e boutiqu	ie Kite	a Hotel	on the vacant allotme	nt at 67	' Browns	ston,
Planned work pro	ogram									
Start date	15 th November 20	21 Tir	me 7:0)0	End	date	31 st December 202	2	Time	18:00
Consider significant stages, for example: • road closures • detours • no activity periods.	 Nov 15th 2021_ imported. Due t the west and de Dec 2021_Cor property bounds complete works Jan 2022_Esta blocking pedest Closure during f Feb 2022_Four concrete. April-July 2022 scaffolding. Arri (b) Lane Closur Nov 2021-Dec designated load St for deliveries 	Cut to waste: B o limited site are part to the east) inection to servary ary across the B blish site office rian access. To the night/(c) day ndation and retain ?_Prefabricated val of Prefabricated val of Prefabricated ing bay at the fr and stowage of	Bulk exca ea, trucks i. vices: Ro rownstor e/contair be delive a a availa aining w I Panels: ated panels to site: ontage o material	vations w may be bad closu St carria vers: Pos ered to sit ability aris vorks: Es : Establis els deliver y as availa : Smaller of the prop Is is antic	vith ma require re and ageway sitioned te unde ses wit tablish tablish red to ability deliver oerty. (ipated)	terial to ed to rev detour y, estima d betwee er a (a) h contra i Concre site und arises w ries to s Occupa	be removed from site verse into site. (Site v during night works to ate 2 consecutive nig en the kerb and fronta Full Road Closure at actors. ete pump onsite with r er a (a) Full Road Clo vith contractors. ite on an 'as required tion of the New Work	 and cle ehicles connec hts, (18: ige of 6 night, al multiple multiple basis', d carpar 	ean grav to appro :t service :00-06:0 7 Brown Iternative truckloa night, a to be off rk frontir	vel bach from es from the 0), to ston St, ely (b) Lane ds of lternatively floaded in the ig Brownston
Alternative dates if activity delayed	 Planned work p work extension 	rogram dates ha is deemed nece	ave conti ssary.	ngency fc	or unfo	reseen	delay. An update to th	ne TMP	will be s	submitted if a

	WAKA KOTAHI
-	NZ TRANSPORT AGENCY

RCA consent (e.g., CAR/WAP)

AGENCY	and/or	RCA contract reference					
Road aspects aff	ected (delete either	Yes or No to show which aspects	are affected)				
Pedestrians affected?	Yes	Property access affected?	Yes	Traffic lanes affected?	Yes		
Cyclists affected?	Yes	Restricted parking affected?	Yes	Delays or queuing likely?	Yes		
Proposed traffic	management metho	ods					
Installation (includes parking of plant and materials storage)	 Preparation All required equipment to be loaded onto the installation vehicle correctly for offloading from the non-traffic side. The STMS is to check and record that all equipment loaded is an acceptable condition. Vehicle on road compliance and operational preparedness is to be verified at this time and documented. (WOF, RUC, walk around vehicle check completed). Equipment Installation; personnel on LV and L1 roads Installation vehicle to have amber flashing beacon and TV4 / RD6R on the rear of the vehicle, crew to be wearin the appropriate PPE. Relevant signage and delineation will be installed as per the site-specific layout diagram listed below. Delineation devices may be installed in the live, trafficable lane, by personnel on foot provided a spotter is observing the task, (as per CoPTTM F4.10 and Company Policy). Signs to be placed on foot from the non-traffic side of the vehicle which will stop 10 meters prior to each sign location shadowing the workers placing the signs. All signs are to be weighted with sufficient ballast and marked with a cone on the roadside. STMS to note the time last and positions where TSL is installed on the Company On-Site Record. Traffic Sign Installation Calculated time to install each phase of TTM <i>is estimated to take 30-70min with 2 personnel</i>. TTM installation to be established prior to the introduction of the materials to site and or personnel, machiner, and materials encroaching 5m of the edge-line. Complete site risk assessment and toolbox forms with all staff involved on the site. Signs to be installed first starting with Advanced Warning and appropriate supplementary plate. Installation vehicle to proceed in a methodical clockwise direction that minimises the need to cross approaching traffic. Vehicle to complete safe U-turn utilising the side streets adjoining the site and designated parking lot						
Attended (day)	 Install Tempora pedestrian cross Site works with site containers a Note: Footpath MTC_Stop/Stop limited site area depart to the ea MTC_Lane close listed below whe Vehicle Access/I Site shall be acc their flashing be temporary spee Site access will replaced imme Vehicles not dire Plant and mater 	ary Pedestrian Crossing: TTM to sing, (Bollards, RD6L signage and Pedestrian Management: TTM are delivered to location in Januar MUST only be closed and diverte p , (Trucks X-ING): TTM to be insta- t, trucks may be required to reverse st). (Layout #3). Sure with alternate flow: TTM she pereby night works can not be sche Egress cleased and exited with the flow of acons on. Beacons must be swite d limits. be managed by the STMS, conest diately thereafter. ectly involved in the works will be lials will be within the working spa	be utilized durin nd ramps) , at 0.7 shall be installed y 2022, (Date TBG d when hazards t alled to manage to alled to manage to the into site. (Site v call be used as a co duled with contra of the traffic. Work ched off once the may by shifted w legally parked . ce for daily use on	g the installation of the temporar 05 RP on Brownston St. (Layo 24/7 when the footpath is occup C). (Layout #2). o pedestrians prevail. rucks entering and exiting site. D rehicles to approach from the we contingent layout for activities (b) ctors and or suppliers. (Layout a vehicles shall use their indicator e vehicle has matched the posted whilst a vehicle enters or exits the delivered to site on an 'as requi	y ut #1). ied once ue to st and and (c) #5). rs and have d or site and ired' basis.		

	DTAHI RCA consent (e.g., CAR/WAP) and/or RCA contract reference
Attended (night)	 Road Closure with detour route: TTM shall be installed for works that significantly impact the traffic flow on Brownston St carriageway inclusive of: (Layout diagram #4). (a) Connection to services across carriageway, December 2021, (Date TBC). (b) Delivery and position of Office/Storage container to site by crane truck, January 2022, (Date TBC). (c) Bulk delivery of prefabricated tilt panels. MTC_Lane closure with alternate flow: TTM shall be used as a contingent layout for activities (b) and (c) if full road closure is not practical.
Unattended (day)	• Site works with Pedestrian Management: TTM shall only be installed when the footpath is occupied once site containers are delivered to location in January 2022, (Date TBC). (Layout #2).
Unattended (night)	• Site works with Pedestrian Management: TTM shall only be installed when the footpath is occupied once site containers are delivered to location in January 2022, (Date TBC). (Layout #2).
	Road Closure: TTM installation detour route proposed by-passing Brownston St from 0.555 RP to 0.725 RP. Detour route follows Dungarvon St_Dunmore St_Helwick St.
Detour route	Does detour route go into another RCA's roading network? No If Yes, has confirmation of acceptance been requested from that RCA? Yes No (delote either Yes or No) Note: Confirmation of acceptance from affected RCA must be submitted prior to occupying the site.
Proposed traffic	management methods (cont.)
Removal	 Equipment removal; personnel from LV and L1 roads Removal vehicle to have amber flashing beacon and TV4 / RD6R on the rear of the vehicle, crew to be wearing the appropriate PPE. Delineation devices may be removed from the live, trafficable lane, by personnel on foot provided a spotter is observing the task, (as per COPTTM F4.10 and Company Policy). Signs to be removed on foot whilst under the protection of a shadow vehicle stopping 10 meters prior to each sign location. TTM gear to be stowed in a practical location more than 5m from the edge line or onto the non-traffic sign Removal Calculated time to remove TTM is estimated to take 30-70min with 2 personnel. Removal shall only commence after the Contractor has returned the roading corridor to an acceptable state and workers have departed the worksite. (<i>No heavy machinery or work vehicles to remain within 5m of the roading edge line</i>). Complete site risk assessment and toolbox forms with all staff involved on the site. Having 1st removed delineation devices, TTM workers may remove signage, leaving the 1st Warning sign on each side of the TTM to be removed last. Removal vehicle to proceed in a methodical clockwise direction that minimises the need to cross approaching traffic. Vehicle to complete safe U-turn utilising the side streets adjoining the site and designated parking lots with ample access/egress enabling clear vision of approaching traffic in both directions. STMS must complete a final drive through of the site to check the road is completely clear of any debris and that all TTM Equipment, including sign tape, are removed, or stowed safely as required. On completion of all TTM removal, STMS will record the time and road condition on the On-Site Record.



NZ TRANSP AGENCY	COTAHI RCA consent (e.g., CAR/WAP) ort and/or RCA contract reference								
Proposed TSL	Proposed TSLs (see TSL decision matrix for guidance)								
TSL details as requiredTimesDatesApproval of Temporary Speed Limits (TSL) are in terms of Section 6 of Land Transport Rule: Setting of Speed Limits 2017, Rule 54001/2017 (List speed, length, and location)TimesDates 									
Attended day/nightA temporary maximum speed limit of 30km/h is hereby fixed for motor vehicles travelling over the length of: 230m situated between 0.560 RP and 0.790 RP on Brownston St, Wanaka 60m situated between 0.200 RP and 0.260 RP on Helwick St, Wanaka7:00–18:0015th Nov 21 to 31st Dec 22Layon									
Unattended day/night	A temporary maximum speed limit ofkm/h is hereby fixed for motor vehicles travelling over the length ofm situated between(House no./RP) and(House no./RP) on (street or road name)	1 7							
TSL duration	Will the TSL be required for longer than 12 months? <i>If yes, attach the completed checklist from section I-18: Guidar</i> <i>for TSLs to this TMP.</i>	ace on TMP Monito	ring Processes	No					
Positive traffic	management measures								
Amber Flas Side-friction reduce the o	 Amber Flashing Beacons on all worksite Vehicles is mandatory. Side-friction: live lane to be reduced to 3m width to create a tunnel effect for vehicles travelling through the work site to further reduce the operating speed of the travelling vehicles, providing a safer environment for the public and contractors. Cone Spacing Reduced to 2.5m to Increase Effectiveness Side FRICTION CAN BE USED BY THE PRACTICING STMS TO CREATE A TUNNEL EFFECT WHILST STILL MAINTAINING THE REQUIRED LANE WIDTH Side FRICTION CAN BE USED BY THE PRACTICING STMS TO CREATE A TUNNEL EFFECT WHILST STILL MAINTAINING THE REQUIRED LANE WIDTH Minimum Lane Width Maintained As Per Temporary / Permanent Speed Restrictions 								
 Cone offset longitudinally TSL positio Site extensi this applicati 	 Cone offset delineation: where cones are placed either side of a lane(s), the cones on one side are placed longitudinally offset from the other by a half cone spacing. TSL positions may be lengthened to cater for queuing resulting from high volume traffic flow. Site extension to extend the advance warning signage in the event of unforeseen traffic volumes is covered under this application. (refer to Poading Positions in this plan for approved TTM working zone). 								
Contingency p	ans								
Generic contingencies for: • major incidents	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	Actions The STMS must • stop all activ • secure the s damage.	immediately cond ity and traffic mov ite to prevent (fur	luct the following: vement. ther) injury or					

- damage. contact the appropriate emergency authorities.
 - render first aid if competent and able to do so. ٠
 - notify the RCA representative and / or the • engineer.
 - under the guidance of the officer in charge of the ٠ site, reduce effects of TTM on the road or remove the activity if safe to do so.
 - re-establish TTM and traffic movements when ٠ advised by emergency authorities that it is safe to do so.
 - · Comply with any obligation to notify WorkSafe.

or control of the site.

incidents

detours.

Remove any

options which

do not apply to

your job

•

pre planed

WAKA K	OTAHI	RCA consent (e.g., CAR/WAP) and/or RCA contract reference					
	Incident An inciden • exces • minor affect • struct	t is described as: sive delays - real or potential or non-inquiry accident that has the p traffic flow. ural failure of the road.	potential to	 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. re-establish TTM and traffic movements when it is safe to do so and when traffic volumes have reduced. 			
	Detour If because remove or a detour re e exces desig e redire total r time t been The risks i inherent ir availability considered The detou e pre-a used e ensur are of	-of the on-site activity it will not be poor reduce the effects of TTM once it is e pute must be designed. This is likely for sive delays when using an alternating in for TTM. cting one direction of flow and / or oad closure and redirection of traffic u hat traffic volumes reduce, and tailbac cleared. In the type of work being undertaken, f the detour, the probable duration of c and suitability of detour routes need i d. r and route must be designed includin upproval forms the RCA's whose roads or affected by the detour route. e that TTM equipment for the detour- n site and pre-installed.	ssible to established or: flow until such cks have the risks closure and to be swill be s will be	 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. 			
	Also note In the even removed of save make maint preve follow	the requirements for no interference of an accident involving serious har or disturbed and any wreckage article a life of, prevent harm to or relieve the the site safe or to minimize the risk or ain the access of the general public to nt serious damage to or serious loss of the direction of a constable acting in	ce at an acci m the STMS or thing must suffering of f a further acc o an essential of property, o his or her dut	ident scene: must ensure that nothing, including TTM equipment, is not be disturbed or interfered with, except to: any person, or cident; or service or utility, or r ties or act with the permission of an inspector.			
Other contingencies to be identified by the applicant (i.e., steel plates to quickly cover excavations)	 PASS/ STMS will OTHEI STMS is a records be Note: Anythin Under to act a mainta 	AGE OF EMERGENCY VEHICLES: manage these situations using their jr R: uthorized to make minor onsite cha offore actioned. an emergency situation & in the abs as they see fit without consent of the F nined as practicable.	udgement an inges and wi ire an approve sence of Eme RCA. Complia	nd a risk-based approach as the situation presents. Il ensure these are documented on the on-site ed amendment to the TMP ergency Services, the STMS has the authority ance with CoPTTM – section A7.8.1 shall be			

Traffic control devices manual part 8 CoPTTM Section E

WAKA KO NZ TRANSPOR AGENCY		RCA consent (e.g., and/or RCA contract	CAR/WAP) ct reference				
Authorizations							
Parking	Will control	olled street parking be a	affected?	Yes	Has approval been granted?	No	
restriction(s) alteration authority	Applicatio	n for LTO loading zone	es is to be presente	d to Wanak	a Trustee Board.		
Authorization to work at Will portable traffic signals be used or permanent traffic signals be changed? No Has approval been granted?							
permanent traffic signal sites	u l						
Road closure authorization(s)	Will full ca than 5 mir	arriageway closure cont nutes (or other RCA stip	inue for more pulated time)?	No	Has approval been granted?	Yes No	
Bus stop relocation(s) –	Will bus s	top(s) be obstructed by	the activity?	No	Has approval been granted?	Yes No	
closure(s)							
Authorization to use portable	Make, mo descripti	odel and on/number					
trattic signals		mpliant?	Yes No				
LED Is an EED applica	ble2	No	EED attached?	Yes No			
			LED uttached .	_			
Works that may si	onificantly i	mpact the traffic flow of	f the Brownston St	s carriagewa	v are to be conducted at night.		
Public notificatio	n plan						
The contractor sha	all notify bu	siness that may be imp	pacted by works in	due course.			
Public notificatio	n plan atta	Iched? No					
On-site monitori	ng plan						
Attended (day and/or night)	On Site Ful • •	completion of installat e to be Inspected Immery 2 hours: I check of site complete STMS or delegated T 2 hourly site checks to Any inco First inspection must ta verifies that all devices requirements, and no of The STMS/TMO will al STMS/TMO may deleg need to leave the site. The STMS must ensur must be carried out to Fit for purpose. Suitable for the nat Installed, set up an All required contrac When layout chang of their installation. The visibility and ei	ion: nediately and 2 Ho ed and documented MO. to be recorded on C idents or accidents ake place as soon a are correctly in pla conflicting message ways be present at ate their authority to This must be document that constant more ensure the site is: ture and duration of d used correctly. ctors are wearing re- ges are made all tra- ffectiveness of all d ent is repaired or rep-	burly therea d. ompany On of note show as equipmen- ice, no item is exist betw the attende o an approp- mented on the iter work. equired PPE offic manage evices and so placed, as a	after. -site Record by STMS. <i>uld be recorded on the specific form.</i> In thas been installed as per the approved TM has been omitted, all equipment meets its c veen permanent/ temporary signs, or other d d worksite. priately qualified person to monitor the site if he onsite record. we worksite and a minimum of 2-hourly site c ment devices function properly for the full d signs is maintained. ppropriate, and suitable equipment is available propriate or installation of a closure is proces	IP. This ondition evices. they hecks uration ble at	

	TAHI	RCA consent (e.g., CAR/ and/or RCA contract refe	WAP) erence			
Unattended (day and/or night)	• (Jnattended sites will be chec For sites that impact the live The STMS will asse	cked at leas lane, more ss each TT	st once daily . frequent checks may be required. <i>M instated to decide on appropriate le</i>	vels of monitoring.	
Method for record	ding daily s	site TTM activity (e.g. CoP	TTM on-site	record)		
• STMS to record	2 hourly sit	te checks on the approved digit	tal On-site R	ecord or COPTTM paper form if required.		
Site safety measu	ires					
 Company PPE po All personnel en specific requireme Mandatory - Col High Visibility Cl STMS Vest - for Wet Weather Gea Safety Footwear 	olicy to be fo tering the we ents, and hav PTTM Comp lothing for a STMS of eve ear - Recomment r, (as deemed	ollowed and adhered to. orksite are required to report to ve that briefing recorded. oliance. II TTM workers, (vest minimum ent only. nended in the event of inclemer d appropriate by the TM provide	o the STMS o). nt weather. er)	or Person In Charge, (PIC), upon arrival, b	e briefed on hazards	and site
Risk Assessed Safety Glasses (a Hard Hat (as require Gloves (as require Illuminated wand	as required) uired) ed) d (as require	ed for night works)				
 Installation proceed The use of seath Having conducted times of low volur A vehicle with fla Highway and traffic 	dure will be u elts is manda d a situationa me traffic on l ashing amber ffic during no	undertaken on foot. Between atory when vehicles are moving al risk assessment, TMO & TTM L1 roads when under the super beacon must be used to creat smal flow conditions.	each sign pla g. I Workers ma rvision of a sj e separatior	acement the TMO & TTM Workers will ren ay enter the live lanes of traffic with TTM e potter and in accordance with company po b between personnel installing TTM equipr	nain inside the work quipment on LV road lices. nent in the live lane o	truck cabin. Is or during of a State
Temporary safety barrier	Will a temp system be	porary safety barrier used at this worksite?	No	If yes, has the temporary safety barrie designed by an installation designer a reviewed as being fit for purpose?	er system been and independently	Yes No
system	Statement	from temporary safety barrie	er installatio	n designer attached	Attached Not attached	
Other information	n					
In the event of an their operations of Details captured forwarded to the I This report must i • The ap • Photos • Comple • Crash of • Onsite	n on-site ind team as so I by the STN RCA and Ni include: proved TM s of the site. eted CoPTT diagram. records.	cident, STMS/TMO must ma on as practicable. MS/TMO will be integral to th ZTA (copttm.incidents@nzta P, referencing the specific s M incident report form.	anage the in ne incident a.govt.nz) w stage or TM	mminent hazards and associated ris report, completed by the Traffic Man ithin 24hrs. ID if relevant.	ks then alert the F	RCA and tor and
Site specific layou	ut diagram	S				
Number	Titl	le				
1	Ins	stall Temporary Pedestrian	Crossing			
2 3	Site	e works with Pedestrian M	lanagemen	t		
1	МТ	C_Stop/Stop, (Trucks X-IN	G).			
4	MT	C_Stop/Stop, (Trucks X-IN ad Closure with detour rou	G). ute			



Contact details						
	Name		24/7 contact number	CoPTTM ID	Qualification	Expiry date
Principal	CDL/Building Patrick Gallagher	: Project Manage	er 0277033757			
тмс	COUNCIL TONY Francis		021849112		LV1 STMS	
Engineers' representative						
Contractor	CDL/Building Patrick Gallagher	: Project Manage	er 0277033757			
STMS	Taane Royce: TTM STMS for the site will be recorded on the d	/ Manager aily check forms	. 021720162	100648	LV1 STMS	13/12/22
тмо						
Others as required						
TMP preparation			-	•		
Preparation	Taane Royce	17/09/21	MRyn	100648	TTMP LV1 (NP)	13/12/22
	Name (STMS qualified)	Date	Signature	ID no.	Qualification	Expiry date
This TMP meets C	OPTTM requirements		Number of diag	rams attacl	hed	5
TMP returned for						
(if required)	Name	Date	Signature	ID no.	Qualification	Expiry date
Engineer/TMC to	complete following section when approv	al or acceptanc	e required			
Temporary safety barrier system	The attached temporary road safety barr being fit for purpose	ier design has be	en independently re	viewed as	Yes No No	ot required
TMP Approved	Name	Date	Signature	ID no.	Qualification	Expiry date
Acceptance by						
if TMP approved by enaineer)	/ Name	Date	Signature	ID no.	Qualification	Expiry date



Qualifier for engineer or TMC approval

Approval of this TMP authorizes the use of any regulatory signs included in the TMP or attached traffic management diagrams. This TMP is approved on the following basis:

- 1. To the best of the approving engineer's/TMC's judgment this TMP conforms to the requirements of CoPTTM.
- 2. This plan is approved on the basis that the activity, the location and the road environment have been correctly represented by the
- applicant. Any inaccuracy in the portrayal of this information is the responsibility of the applicant.
- 3. The TMP provides so far as is reasonably practicable, a safe and fit for purpose TTM system.
- 4. The STMS for the activity is reminded that it is the STMS's duty to postpone, cancel or modify operations due to the adverse traffic, weather or other conditions that affect the safety of this site.

Notification to TMC prior to occupying worksite/Notification completed							
Type of notification to TMC required		Notification completed	Date Time]		



NZ TRAN	SPORT	TMP or generic plan ref	erence						
ON-SITE REC	CORD must be retained v	with TMP for 12 months.				Today's date			
Location	Road names(s):		House number/RPs	S:	\$	Suburb:			
details									
We deine au									
working sp	ace								
responsible									
for working									
space	Name			Signature					
Where the SII	MS/TC is responsit	ble for both the working s	space and IIM they s	ign above and	in the a	appropriate TTM b	oox below		
TTM									
STMS in									
charge of									
	Name		TTM ID Number	Warrant expiry	/ date 3	Signature		Time	
Worksite									
accepted by	Name		ID Number	Warrant expire	, date .	Signature		Time	
replacement STMS	Tick to confirm ha	Indover briefing		Francin oxphij		orginataro		11110	
	completed	-							
Delegation									
Worksite									
control						a , ,			
TC/STMS-NP	Name	isfinn comulated	ID Number	Warrant expiry	date 3	Signature		Time	
	LICK to confirm br	lefing completed			_				
Temporary	speed limit								
Street/road na	ame (RPs or stree	t numbers):	TSL action	Date:	Time:	TSL speed:	Length of	TSL (m):	
		-	TSL installed						
			TSL remains in place						
From:	To:	•	TSL removed						
Street/road na	ame (RPs or stree	t numbers):	TSL action	Date:	Time:	TSL speed:	Length of	TSL (m):	
		-	TSL installed						
		-	TSL remains in place						
From:	To:		TSL removed						
Street/road na	ame (RPs or stree	t numbers):	TSL action	Date:	Time:	TSL speed:	Length of	TSL (m):	
		•	TSL installed						
		-	TSL remains in place						
From:	To:		TSL removed						
Street/road na	ame (RPs or stree	t numbers):	TSL action	Date:	Time:	TSL speed:	Length of	TSL (m):	
			TSL installed						
		•	TSL remains in place						
From:	To:	·	TSL removed	1					



Worksite monito	Worksite monitoring								
Items to be inspect	and 2 hourly in	spections doci TTM set-up	2 hourly check	TTM removal					
High-visibility garme	nt worn by all?								
Signs positioned as	per TMP?								
Conflicting signs cov	vered?								
Correct delineation a	as per TMP?								
Lane widths appropr	riate?								
Appropriate positive	TTM used?								
Footpath standards	met?								
Cycle lane standard	s met?								
Traffic flows OK?									
Adequate property a	iccess?								
Barrier deflection are	ea is clear?								
Add others as requir	red								
Time inspection co	ompleted:								
Signature:									
Comments:			<u> </u>						
Time	Adjustment m	ade and reas	on for change						



LEGEND FOR DIAGRAMS

Working space		Mandatory: • Cones • Signs
Safety zones		Optional: • Cones • Signs
Edgeline or edge of trafficable lane (indicated by solid black line)	Edgeline or of trafficable lane	Hazard area
	edge	Manhole 🛞
Edge of seal (indicated by dotted line next to solid black line)	ge of seal dgeline	Barrier, safety fence or cone bars
		Ramp
If the STMS has been delegated self-approval of TMPs by the RCA, this TMD must be referred to the TMC for approval	TMC	

WAKA KO NZ TRANSPOR AGENCY	TAHI TMP or generic plan re	eference			
TEMP DECI WOR	PORARY SPEED LIMIT (TSL) SION MATRIX KSHEET	INSTRUCTIONS Select the appropriate road condition of chosen TSL for that road condition. Tra	description for each of the four factors, and i ansfer lowest TSL to the bottom circle.	n the right hand circle list the	Appendix B
	EXCELLENT	AVERAGE	60 50	40 30 20	Temporary Speed Limit
1.	Minimum Lane Width	1			
	3.5m	3.25m	3.00m	2.75m	0
2.	Pavement / Surface Condition				
	The shoulder and lane is clear of loose or greasy material and the traveled way is smooth	The road is close to normal condition except for a few minor defects (eg small pot holes or a few pieces of loose aggregate) 70km/h where new seal has been swept but not marked	Defects and / or loose material on the lane (eg unattended reseals) 50km/h for protection of a new seal	There are major defects and / or significant loose material on the lane (eg recently milled surface , large stones, steel plates)	0
3.	Visibility and Alignment				
	There is greater than 140m visibility to the first cone in taper, and	There is less than 140m visibility to the first cone in taper, or	There is less than 60m visibility to the first cone in taper, or	There is less than 30m visibility to the first cone in taper, or	
	the worksite has not imposed a change in alignment	vehicles are deflected by 20 degrees or less from the original direction of travel	vehicles are deflected by 20-45 degrees from the original direction of travel	vehicles are deflected by more than 45 degrees from the original direction of travel	
		Deflected by less than 20°		45° Deflected more than 45°	
4.	Site Clutter				
	Low site clutter, clear vehicle lanes, cycle lanes and footpaths	Some site clutter either plant or materials, vehicle lanes, cycle lanes and footpaths are lightly trafficked	Considerable site clutter requires additional management to guide vehicles though the site. Some queues of road users	Has numerous driver distractions including construction traffic. Cycle lanes or footpaths are closed. 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)	0
	Is the lowest s	peed 80km/h or less	and at Yes Use the	nis Temporary Speed Limit	\mathbf{O}
		elow the permanents		mporary Speed Limit Required	
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COMBINED LEVEL LV & LEVEL 1 LAYOUT DISTANCES TABLE

Permanent speed limit or RCA- designated operating speed (km/h)		≤50	60	70	80	90	100	
Trat	fic signs							
А	Sign visibility distance (m)	50	60	70	80	90	100	
В	Warning distance (m)	50 or 30*	80	105	120	135	150	
С	Sign spacing (m)	25 or 15*	40	50	60	70	75	
Safe	Safety zones							
D	Longitudinal (m)+	10 or 5*	15	30	45	55	60	
E	Lateral (m)+	1	1	1	1	1	1	
	Lateral behind barrier installation As specified by the Installation Designer							
Tapers								
G	Taper length (m)#	30	50	70	80	90	100	
G	LV roads taper length (m)#	25	30	35	40	45	50	
К	Distance between tapers (m)	40	50	70	80	90	100	
Deli	neation devices							
Cone spacing in taper (m)		2.5	2.5	5	5	5	5	
Cone 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 LV roads the longitudinal and lateral safety zones may be reduced, or eliminated, in order to retain a single lane width. Positive traffic management and an appropriate TSL must be used.

1. 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).

2. On all roads where the 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).

3. 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.

^{##} LV roads: double the cone spacing alongside working space (eg 5 = 10, 10 = 20).

Lane widths (based on permanent speed or TSL if applied)

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.

LV/low-risk roads (less than 250vpd - less than 20 vehicles per hour)

When on the shoulder:

- *If CSD not* available: Advance warning sign and base to be installed with sign visibility distance and warning distance in place
- *If CSD available:* Advance warning sign may be attached to the rear of a work vehicle which has an amber flashing beacon(s) and is visible to approaching road users from the rear.

When the activity encroaches onto a live lane consider alternating flow controls.

If the above requirements cannot be achieved, the operation must be modified to comply with the appropriate level LV or level 1 requirements.

















TMP or generic plan reference



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