Summary

19/05/2023

- This pack summarises the closure plan for:
 - AHB Restriction Stage 3 (Reduce Lanes), and
 - AHB Restriction Stage 4 (Full Closure). Note, can be achieved by:
 - Short Term <45min Close at base of AHB, stack traffic on mwy
 - Long Term >45min Close at outer cordons, detour all traffic

Short Term Stage 4

• If the DE assess Stage 4 is only required for a short period, or if conditions deteriorate rapidly, the DE will make the call for the 4x Stage 3 TMA units to drop their outrigger to instantly close AHB.

Resources

- This plan requires:
 - Stage 3 4x TMAs (also for Full Closure Short Term)
 - Stage 4 10x TMAs, 2x Light Vehicles

Command & Communication

- The WK ASM Duty Engineer (DE) controls the response
- All Site Leads & DE to be on ASM Radio Channel "AHB"
- Site Leads to develop implementation plan with their team
- DE will check all leads are ready in standby locations using call signs
- DE will issue instruction to deploy Stage 3 or 4 via broadcast to all units
- Site Leads to confirm closure installed back to DE

Safety & Welfare

 CMJ crew to circulate around cordons on south side of AHB to cover breaks. Crews north of AHB to utilise Elephant House.

Transition from Stage 3 to 4

- In the event Stage 3 is deployed and conditions deteriorate requiring Stage
 4 to be implemented,
 - Police or TIM Units will close Curran and Fanshawe Onramps,
 Northbound Throttle to remain until last vehicle before to replacing units at Curran and Fanshawe
 - Police or TIM Unit may close Onewa onramp, Southbound Throttle will remain until U-turn established before closing Onewa onramp



Reference Page

- Stages 1 and 2 are implemented by ATOC based on recent actual winds
- Stages 3 and 4 are implemented by ASM at the DEs discretion based on actual winds, forecast winds, wind type, traffic conditions and advice from MetService.
- Table below summarises gust threshold limits (km/hr).

Restriction Stage	Action Required	Gust Wind Thresholds (from Resolve's international best practice workst	
		Perpendicular	Oblique
1 (Reduce Speed)	Speed Restrictions Commence	55	70
2 (Detour WVV)	Wind Vulnerable Vehicles Detoured	65	80
3 (Reduce Lanes)	Alternate Lanes Closed	75	90
4 (Full Closure)	AHB Fully Closed	90	105

Stage 3 Position Summary

Position	Call Sign	Resources	Lead Name	Phone
SH1 NBD AHB Mainline	Northbound Throttle	2x TMAs		
SH1 SBD AHB Mainline	Southbound Throttle	2x TMAs		

Stage 4 Position Summary

								- 1
	Position	Call Sign	Resources	Lead Name	Phone		3 to 4 Transition	
	SH1 NBD Mainline	Northbound Main	2x TMAs				d Tra	
	SH16 WBD Link From Port	Port	1x TMA				ge 3 to	
	SH16 EBD Link From West	Gundry	1x TMA				Stage	
	SH1 Wellington St Onramp	Wellington	1x IR Truck					
	SH1 Fanshawe St Onramp	Fanshawe	1x TMA 1x IR Truck			1		
	SH1 Curran St Onramp	Curran	1x TMA			Т		
	SH1 SBD Mainline	Southbound Main	3x TMAs			رل		
	SH1 SBD Onewa Rd Onramp	Onewa	1x TMA			-		



Restriction Stage: 3 (Reduce Lanes) W Call Sign: Northbound
Throttle

Road to Close: SH1 Northbound Mainline

Resources: 2x TMAs Notes: • Below for Westerly

winds, for Easterly winds close alternate

lanes

Standby Location: Under Vic Park



Deployment Location: Mainline Under 1st AHB Gantry





Restriction Stage: 3 (Reduce Lanes) W Call Sign: Southbound
Throttle

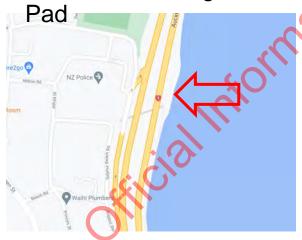
Road to Close: SH1 Southbound Mainline

Resources: 2x TMAs Notes: • Below for Westerly

winds, for Easterly winds close alternate

lanes

Standby Location: Southbound Weigh



Deployment Location: Mainline Under 1st AHB Gantry





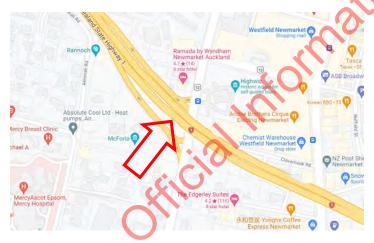
Restriction Stage: 4 (Full Closure) Call Sign: Northbound
Main

Road to Close: SH1 Northbound Mainline

Resources: 2x TMAs Notes: • Deploy Outriggers &

Road Closed Bollards

Standby Location: Shoulder Prior to Gillies Onramp



Deployment Location: Mainline @ SH16 Westbound Link





Restriction Stage: 4 (Full Closure) Call Sign: Port

Road to Close: SH16 Westbound Link to SH1 Northbound

Resources: 1x TMA Notes: • Deploy Outriggers &

Road Closed Bollards

Standby Location: Shoulder Under Upper Queen St





Deployment Location: Mwy Link @ SH16 Mainline Diverge





release,

Restriction Stage: 4 (Full Closure) Call Sign: Gundry

Road to Close: SH16 Eastbound Link to SH1 Northbound

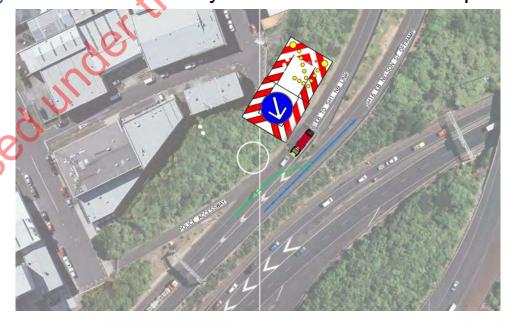
Resources: 1x TMA Notes:

Notes: • Deploy Outriggers & Road Closed Bollards

Call/Radio to ATOC to open Gundry St Gate



Deployment Location: Mwy Link @ Nelson Offramp Diverge





Restriction Stage: 4 (Full Closure) Call Sign: Wellington

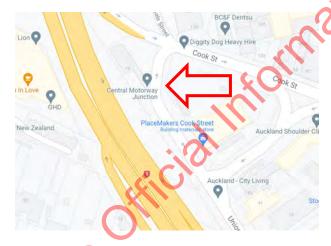
Road to Close: SH1 Wellington St Northbound Onramp

Resources: 1x IR Truck Notes: • Cone off left and right

turn lanes

Standby Location: CMJ Yard

 Deploy Road Closed Bollards



Deployment Location: Onramp @ Commencement





Restriction Stage: 4 (Full Closure) Call Sign: Fanshawe

Road to Close: SH1 Fanshawe St Northbound Onramp

Resources: 1x TMA Notes: • Cone dedicated left turn,

1x IR Truck

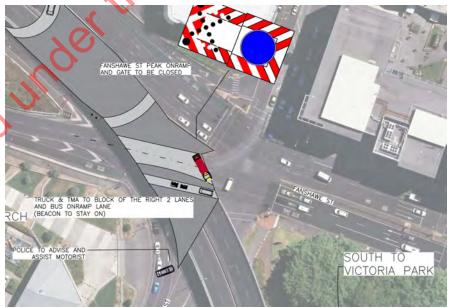
right turn and straight lanes on approaches

Standby Location: Fanshawe or • Deploy Road Closed

Beaumont St Bollards/Signs



Deployment Location: Onramp @ Westhaven Dr





2010256

Restriction Stage: 4 (Full Closure) Call Sign: Curran

Road to Close: SH1 Curran St Northbound Onramp

Resources: 1x TMA Notes: • Deploy Outriggers &

Road Closed Bollards

Standby Location: Sarsfield St

• Cone off approach lanes and close



Deployment Location: Onramp @ Westhaven Dr





Restriction Stage: 4 (Full Closure) Call Sign: Southbound Main

SH1 Southbound Mainline Road to Close:

Notes: • Reduce SH1 to single Resources: 3x TMAs

left lane before **Elephant House**

Standby Location: Akoranga Bus



- Deploy outriggers, road
- closed bollards and cones to U-turn traffic through centre median
- Commence U-turns only after approval from DE after last northbound vehicles have passed

Deployment Location: Mainline @ Elephant House Leleased under





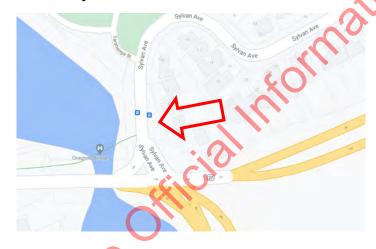
Restriction Stage: 4 (Full Closure) Call Sign: Onewa

Road to Close: SH1 Onewa Southbound Onramp

Resources: 1x TMA Notes: • Deploy Outriggers &

Road Closed Bollards

Standby Location: Sylvan Ave



Deployment Location: Onramp @ NB/SB Diverge



