



Transport Management Liaison Group

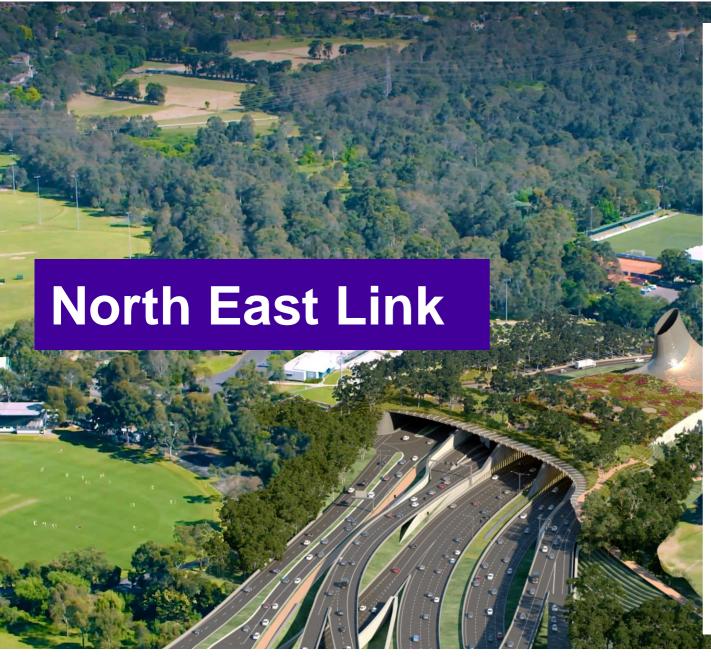
Meeting No 47

7 September 2023









Agenda:

- Introductions
- Previous actions and accept previous minutes
- Progress Update
- i. Planned Disruption Events
- ii. MTM Northern Works
- iii. GHD Site Investigations Works
- iv. North Package Site Investigation Works
- v. South Package Site Investigation Works
- vi. Spark Central Package
- Questions



Planned Disruptions Events

Intent: High level details of upcoming major disruption events to assist with disruption management reporting. These are **subject to change** and **pending** approvals.

Location and detail	Extent	Timing	Duration	Status
Greensborough Hwy - full closure for conveyor belt installation	Grimshaw Street to Lower Plenty Road	22 Sep 2023	1 night	Spark - modelling completed, finalising WTMP and associated approvals.
Bulleen Diversion Rd tie works – full closure	Golden Way to Thompsons Rd	Nov 2023	10 days	Spark - developing modelling and required approvals
Hurstbridge Line Occo	Heidelberg to Hurstbridge	1 - 22 Dec 2023	21 days	MTM NELP RAW Standalone Occupation (Major Shut)
Eastern Freeway – full closure for new water mains across freeway	Doncaster Rd to Burke Rd RESCINDED	Jan 2024	Up to 9 days (24/7)	NELSA - Developing option to construct new water main without any disruptions. Jan 24 closure rescinded
Eastb'd Manningham Road tie in works reduced to single lane (for Bridge Street Diversion)	Yarra River bridge (east of Dora St) to Bulleen Rd	Mar 2024	weekend	Spark - developing construction methodology and associated modelling

Continued.....

Location and detail	Extent	Timing	Duration	Status
Manningham Road/Bulleen Road intersection works reduced to single lanes (for Bridge Street Diversion)	At intersection	March 2024	Weekend (TBA)	Spark - developing construction methodology and associated modelling
Hurstbridge Line Occo	Heidelberg to Hurstbridge	4 - 25 March 2024	20 days	MTM NELP RAW - Contingency Standalone Occupation (Major Shut)
Full Closure of Kempston St	Hemlet St and Sellars St	Q1/Q2 2024	4 weeks	NELNA – To facilitate utility relocations & bridge works and demolition
Greensb'gh Hwy reduced to single lane both directions	Elders St to Richards Ave	Jun/Jul 2024	2 weekends	NELNA – realignment of Greensborough Hwy at Watsonia Rd – create bridge work area
M80 Westb'd Plenty Rd exit ramp closure	Westbound Plenty Rd exit ramp	Q2 2024	2 weekends	NELNA – To facilitate enabling works and temporary pavements.

Continued.....

Location and detail	Extent	Timing	Duration	Status
M80 Eastb'd Plenty Rd entry ramp closure	Eastbound Plenty Rd entry ramp	Q2 2024	2 weekends	NELNA – To facilitate enabling works and temporary pavements.
Westb'd Greensb'gh Bypass near Plenty River – Full closure	Diamond Creek Road to M80 intersection	Q2 2024 2 weekends NELNA – To facilita asphalt works		NELNA – To facilitate drainage and asphalt works
Eastb'd Greensb'gh Bypass near Plenty River – Full closure	M80 intersection to Diamond Creek Road	Q2 2024	2 weekends	NELNA – To facilitate drainage works
Grimshaw St – Full Closure	Greensborough Rd to Old Greensborough Rd	Sep 2024	12 Days	NELNA – Road closure and rail occo to demolish and reconstruct Grimshaw St rail bridge
Hurstbridge Line Occo	Heidelberg to Hurstbridge	29 Sep – 09 Nov 2024	40 days	NELNA Sep 2024 Major Occupation
Elder St – Full Closure	Greensb'gh Rd to Papua St	Sep 2024	7 days	NELNA – Works done PRIOR to rail occo (or AFTER) rail occo

Continued.....

Location and detail Extent		Timing	Duration	Status
Eastern Freeway full closure – demolition of Estelle St ped bridge	Doncaster Rd to Bulleen Rd	Q2 2025	Weekend	NELSA – Developing DOMINO model for weekend freeway closure

Low & Medium Disruptions on Eastern Fwy – 3 months look ahead

Intent: High level details of upcoming low and medium disruptions along the Eastern Freeway corridor. These are **subject to change** and **pending** approvals.

Location and detail	Extent	Timing	Duration	Status
Eastern Freeway – intermittent lane closures, IB & OB	Doncaster Rd to Burke Rd	Late Oct 2023 – mid Dec 2023	7-8 weeks	NELSA – Intermittent lane closures scheduled during month and complying with LAMs
Bulleen Rd IB exit ramp closure	Bulleen Rd exit ramp	Nov 2023	1 night	NELSA – Overnight ramp closure to mill OGA and linemark. (Co-ord with Spark Bulleen Diversion Rd tie in works)
Bulleen Rd IB entry ramp closure	Bulleen Rd entry ramp	Nov 2023	1 night	NELSA – Overnight ramp closure to linemark and install barriers
Bulleen Rd OB exit ramp closure	Bulleen Rd exit ramp	Dec 2023	1 night	NELSA – Overnight ramp closure to linemark and install barriers
Thompsons Rd OB entry ramp closure	Thompsons Rd entry ramp	Dec 2023	1 night	NELSA – Overnight ramp closure to mill OGA and linemark
IB and/or OB carriageway closures (not concurrent)	Doncaster Rd to Burke Rd	Jan 2024	6 nights	NELSA – Overnight closure of freeway carriageways to remove existing signage gantries (subject to temp signage in place)

Low & Medium Disruptions on M80 – 3 months look ahead

Intent: High level details of upcoming low and medium disruptions along the M80 corridor. These are **subject to change** and **pending** approvals.

Location and detail	Extent	Timing	Duration	Status
M80 – intermittent lane closures, both eastb'd & westb'd	Plenty Rd to Greensb'gh Bypass	Current	Until end Oct 2023	NELNA – In progress for service proving, various site investigation works as well as Early Works
Watsonia Station – partial car park closure	Closure of 52 spaces within eastern car park	Oct 23	8-10 weeks	NELNA – Pending approvals. Closure of car parks required for service proving high pressure transmission gas main
Greensborough Hwy/Frensham Rd/Manfred St	Various lane / road closures	Oct 23	Until Jan 2024	NELNA – Pending approvals. Closures required for construction of off-set car park and site compound works
M80 – intermittent lane closures, both eastb'd & westb'd	Centre island area at Greensb'gh Hwy intersection	Jan 24	TBC	NELNA – In Planning. To facilitate installation of long term traffic barriers and construction access/egress gates at the centre island area

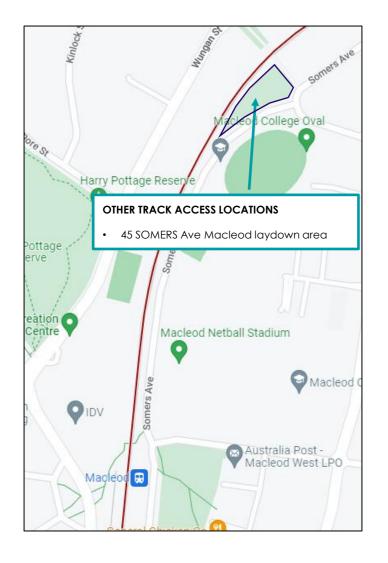


MTM Northern Works

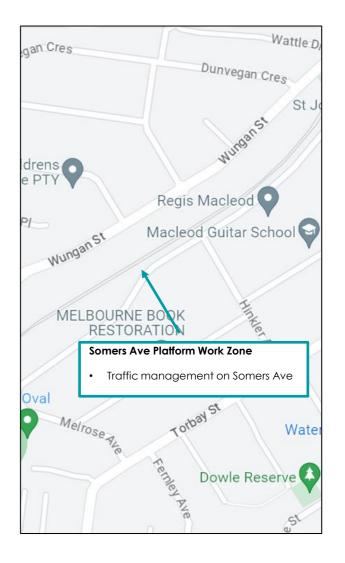
MTM RAW Upcoming Rail Occupation

Occupation Limits	Occupation Start	Occupation Finish	Occupation Scope
Heidelberg (HDB) – Greensborough (GRN)	2100 Sep 1st	0300 Sep 4 th	Signal structures and
Heidelberg (HDB) – Greensborough (GRN) *	2330 Sep 8 th	0300 Sep 11 th	signalling equipment installation
Heidelberg (HDB) – Greensborough (GRN)	2330 Sep 15 th	0300 Sep 18 th	Major signal cable hauling & Structure Installs
Heidelberg (HDB) – Eltham (ELT)	2100 Oct 13 th	0300 Oct 16 th	Signalling pre-testing
Heidelberg (HDB) – Greensborough (GRN)	2100 Dec 1st	0300 Dec 22 nd	Signalling major commissioning event

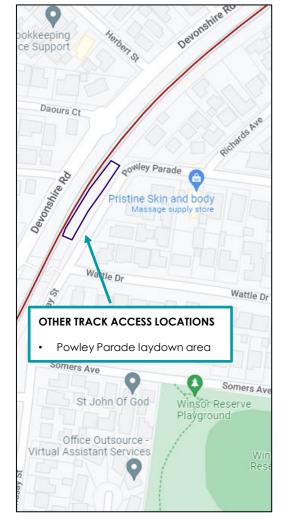
^{*}Occupation has been affetced by Industrial Action and will not proceed – MTM to revert to running train services



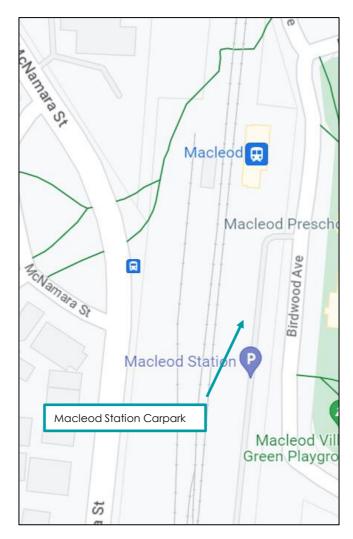




Full occupation access
*Around the clock

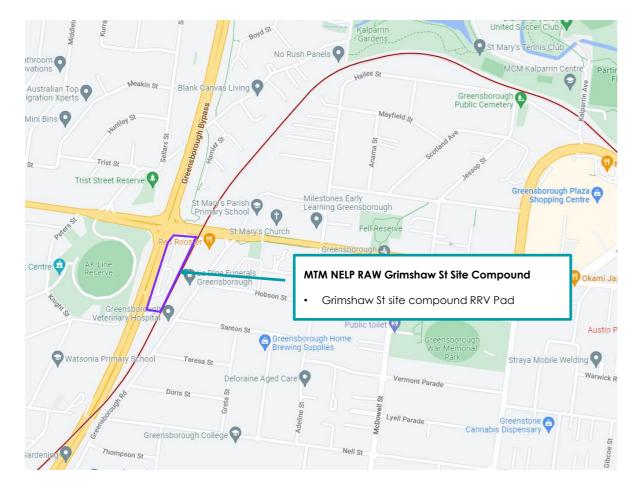




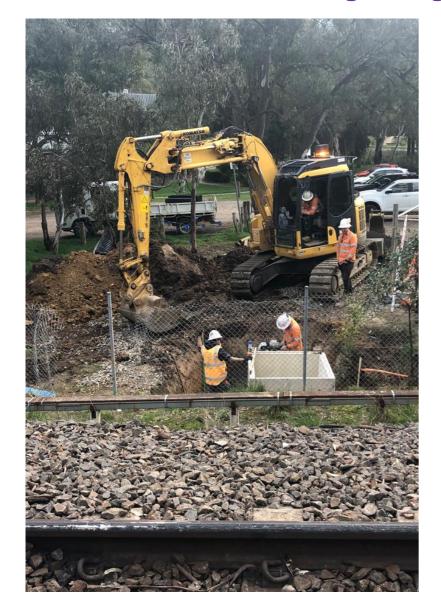




Full occupation access
*Around the clock











North East Link Program | MTM Works, North and South Packages and Spark

Grimshaw St Site Compound Traffic Management

MOA - 0038117



MEMORANDUM OF AUTHORISATION

MOA-0038117

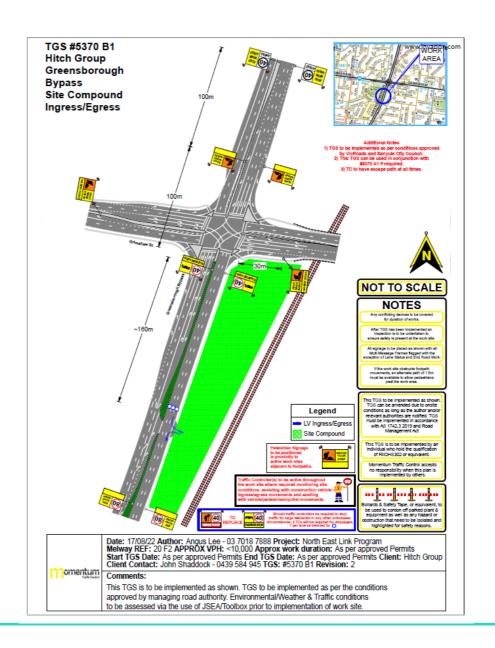
TO ERECT, DISPLAY, PLACE, REMOVE OR ALTER TRAFFIC CONTROL DEVICES APPLICATION

Pursuant to Regulations under Part 2 – Installation of Traffic Control Devices – of the Road Safety (Traffic Management) Regulations 2019. IVWe hereby apply for authorisation to erect, display, place, remove or after (as the case may be) the Traffic Control Device(s) as specified herein

- 1. The Traffic Control Devices will be removed before the "Expiry (Removal) Date" unless a further authorisation has been granted
- Accurate records of actual usage will be kept in a recoverable document (eg.online record or hard copy diary):
- 3. The attached plans are a true and accurate reflection of the base information and proposed treatment(s);
- The treatment(s) as shown on the plan(s) are in accordance with the Worksite Safety Traffic Management Code of Practice; and
 This application has been prepared and submitted by a prequalified "Traffic Management company for works on roads controlled by the Department of Transport ("DOT") on behalf of the Head, Transport for Victoria."

APPLICANT DETAILS					
Applicant Name	Momentum Traffic Control				
Contact Number	(03) 7018 7888				
Email	angus.lee@momentumtraffic.com.au				
Contact Person	Angus Lee				
WORK MANAG	GER DETAILS	TRAFFIC MAI	NAGEMENT IMPLEMENTER		
Contact Person	John Shaddock	Contact Person	Duty Officer		
Contact Number	0439 584 945	Contact Number	(03) 7018 7888		
Company	Hitch Group	Company	Momentum Traffic Control		
Emall					
TRAFFIC MANAGEMENT PLAN DESIGNER					
Company		Momentum Traffic Control			
WORK / EVEN	T DETAILS				
Type of work / Event	t	NELP (North East L	ink Project)		
Scope of works/ever	nt	NELP - North East I	Ink Program for Site Compound Works		
Blanket MoA?		No			
is this work conduct	ted by or on behalf of a utility agent?	No			
Works on behalf of I	DoT?	No			
WORK WITHIN ROAD RESERVE DETAILS					
Have you applied for	r a Works Within Road Reserve application?	Exempt			
What type of application?					
Application ID					
Exemption Reason		NELP			

MOA-0038117 - Authorised by Oussama El Haj - Roadwork Permits Coordinator on 30/05/2023 - Page 4 of 6





GHD Site Investigation Works

Secondary Package Activities

GHD Groundwater Monitoring Exercise

- Non-intrusive groundwater monitoring exercise (gauging only) across Secondary Packages of alignment (North & South)
- Activities requiring traffic management to be completed primarily as night works (Existing MOA 0050639 and 0050596)
 with low level disruption Typically less than one hour to complete monitoring activities
- GHD has commenced planning with works requiring traffic management scheduled for the night of the 21st Sept
- Traffic impacts are location specific and to be minimised as far as practicable.
- Short term, short distance closures of freeway emergency lanes utilising protection to field crew by TMA
- TGS with single lane closures and road traffic control devices installed at arterial roads and freeway ramps (TMA, signage and bollards) I.e. Greensborough Highway and Eastern Freeway off ramps
- Locations across the alignment not requiring traffic management (Parklands, Reserves etc) to commence 18th Sept to the 20th Sept

Secondary Package Activities

GHD Groundwater Monitoring Exercise

Locations of investigations – Schedule for **September 2023**

- Greensborough Highway South of Grimshaw Street to Watsonia Station
- Eastern Freeway Eastbound adjacent Burke Road Offramp
- Eastern Freeway Westbound Doncaster Road Onramp & Eastbound Doncaster Road Offramp



North Package Works

North Package – WTMP Look Ahead

WTMP Ref	Location	Scope of Works	Operational Conditions	Target Start Date	Status
3200-01	M80 Interchange Centre Island	Traffic Phase 1 Implementation	 Reduce speed limit to 60 km/h (VSLS) Establish Work Areas behind barriers Site Gates No change to traffic lane alignment 	January 2024	Rev A to be submitted November 2023
3300-01	Greensborough Hwy/Grimshaw St SW corner	AK Lines Site Compound Establishment and Site Investigations	- Access/Egress from Grimshaw St (Left In Left Out)	October 2023	Rev A in review
3300-02	Greensborough Highway b/w Kempston St to Thompson St	Traffic Phase 1 Implementation	 Reduce speed limit to 60 km/h (VSLS) Establish Work Areas behind barriers Site Gates No change to traffic lane alignment 	November 2023	Rev A to be submitted September 2023
3500-01	Site compound – Off Manfred St Watsonia Stn Off Set Car Park – Frensham Rd Gas Works – Watsonia Stn	Gabonia Site Compound, Watsonia Station Off-set Car Park Establishment and Site Investigations	 Establish work areas & gates Maintain existing 60 km/h & reduce to 40km/h outside of peak (as required) during works (VSLS) SUP modifications Establish Work Areas behind barriers, closure of 52 car parks & traffic signal changes 	October 2023	Final to be submitted
3500-02	Greensborough Highway b/w Thompson St to Watsonia Rd	Traffic Phase 1 Implementation	 Reduce speed limit to 60 km/h, where applicable (VSLS) Establish work areas behind barriers / Site Gates Modify Watsonia Rd west approach Modify pedestrian access at intersection 	January 2024	Rev A to be submitted October 2023

North Package Early Works Activities

Geotechnical and Soil Investigations – Sep/Oct

- Night works (2 rigs in operation)
 - M80/ Greensborough Hwy/ Grimshaw St Lane closures
- Day works (1 rig in operation)
 - Local roads Lane closures/ Shuttle flow

Survey Works (Service Proving/ Feature/ Tree Survey) – Sep/ Oct

- Night works
 - M80/Greensborough Hwy/Grimshaw St Lane closures
 - Plenty Rd Lane closures
 - Local roads Lane closures
- Day works
 - Local roads various Lane closures/ Shuttle flow



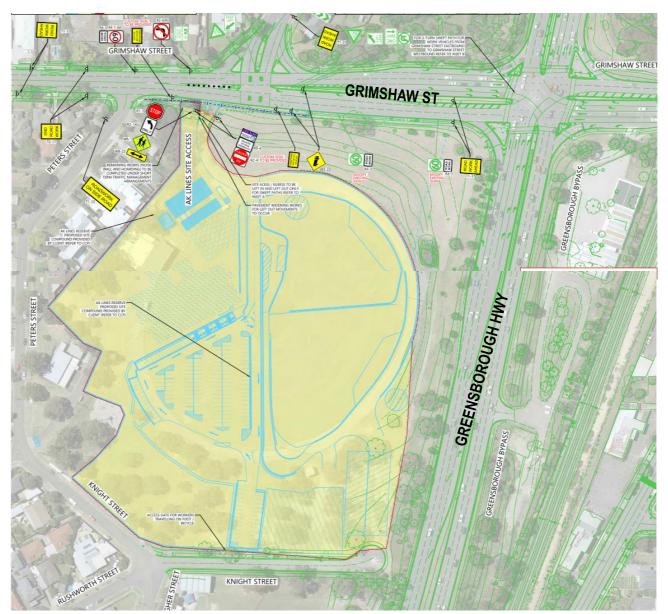






AK Line Site Compound Establishment – Grimshaw Street

- Site access/egress via Grimshaw St (Left In Left
 Out) Interim Arrangements
- Offices/Amenities
- DTP Incident Response Services
- Staff parking 451 spaces
- Laydown areas
- Short term lane closures to install hoarding/fence/signage
- To be operational by January 2024
- Traffic signals to be installed by Mar/April 2024





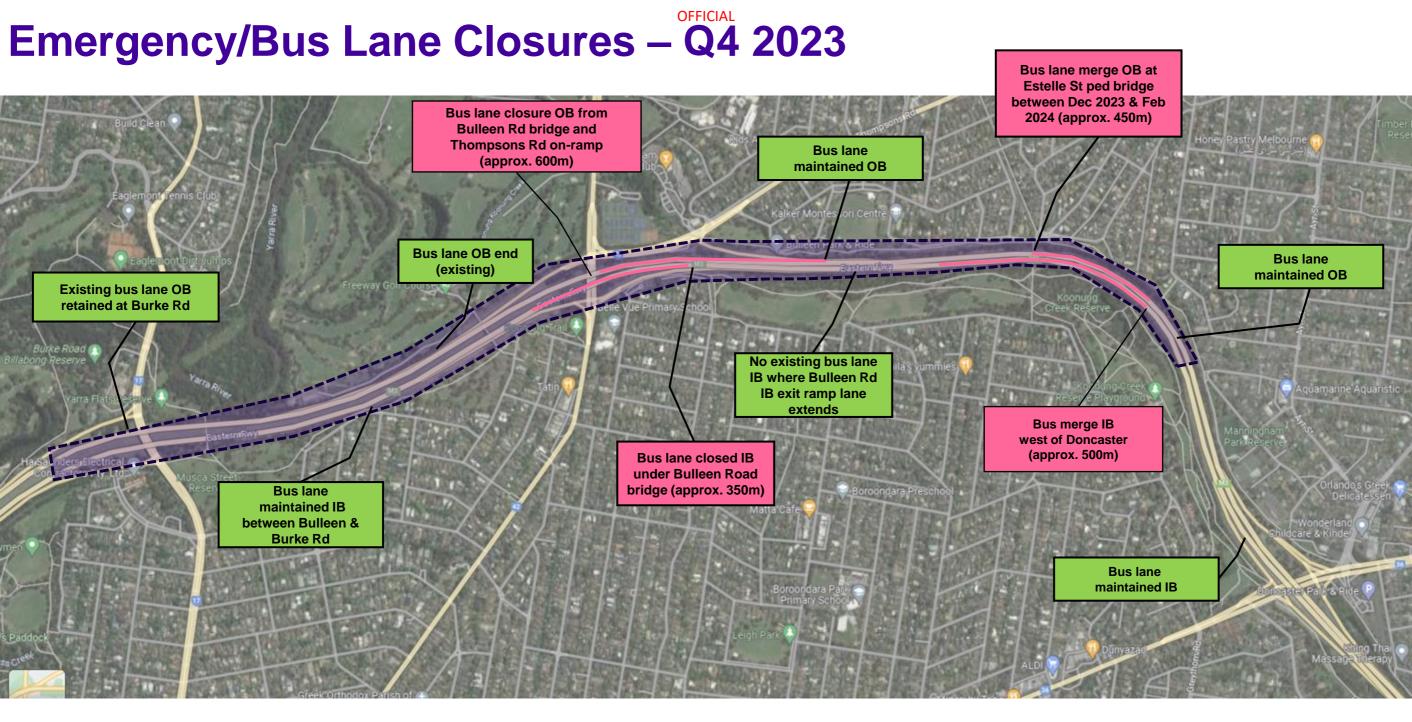
South Package Works

South Package Activities

Key dates:

- <u>Early/Mid-October:</u> VMS Implementation (10 days prior to nightly lane closures)
- Late October: VSLS Roll-out between Doncaster Rd & Burke Rd
- <u>Late October:</u> Barrier installation at Koonung Creek Compound/Estelle St
 - o Section bus/emergency lane closed between Doncaster and Bulleen Rd Inbound (refer to next slide)
- <u>Post cup-weekend (November):</u> OGA Removal, Linemarking & Barrier installation commences on the <u>inbound</u> carriageway between Bulleen Rd and Burke Rd
 - o Bulleen Road IB Exit & Entry Ramp closures (1-2 nights each)
 - Section of bus/emergency lane closed underneath Bulleen Rd bridge
- <u>Late November:</u> OGA Removal, Linemarking & Barrier installation commences on the <u>outbound</u> carriageway between Burke Rd and Doncaster Rd
 - o Bulleen Road OB Exit & Thompsons Rd OB Entry Ramp closures (1-2 nights each)
 - o Section of bus/emergency lane closed underneath Bulleen Rd bridge to Thompsons Rd entry ramp
 - Section of bus/emergency lane closed east of Estelle St ped bridge





Emergency Crossover Location

Emergency cross over between Burke Rd and Bulleen Rd will be closed from mid-late Nov 2023.

Emergency services to use emergency crossover between Chandler Hwy and Burke Rd.



South Package Site Activities

Freeway works Burke Rd to Tram Rd, September & October

Impacts will be short term slow / fast lane closures

- utilities inspection & CCTV sewer
- pavement coring
- Bridge inspections
- Noise monitoring
- Borehole and pavement dipping
- Dilapidation Surveys



South Package Automated Cone Truck Trial

Eastern Fwy

- Eastern Fwy / Doncaster offramp
- Tuesday 29th August NELSA used the ACT the first time to deploying traffic cones.
- Removes the most vulnerable traffic management person from harms way
- Less Traffic Controllers exposed to live traffic
- Safe and efficient cone deployment and retrieval
- Trial period for approximately 3 months

Transport Management Liaison Group



South Package Site Investigation Activities



Arterial Roads September and October

Utility Mapping at signalized intersection

Intersections

Doncaster Rd/High St

Utilities inspection & CCTV sewer

All arterials

Pavement coring

- Bulleen Road interchange
- Thompsons Road, Bullen Rd to Fwy Onramp
- Doncaster Rd interchange

Dilapidation Surveys

All arterials

South Package Site Investigation Activities



Council Roads

Environmental inspections and survey

September & October

Koonung Creek Trail both sides of the Freeway

Arborists and Ecologists in the Koonung Creek Reserve will have minimal impact to people utilising the Reserve and the SUP's.

Utilities inspection

September

- Viewpoint Rd
- Hender St
- Estelle St
- Koonung Creek Reserve

Bore holes and Geotechnical drilling September

Doncaster reserve carpark



Spark Central Package

Central Package

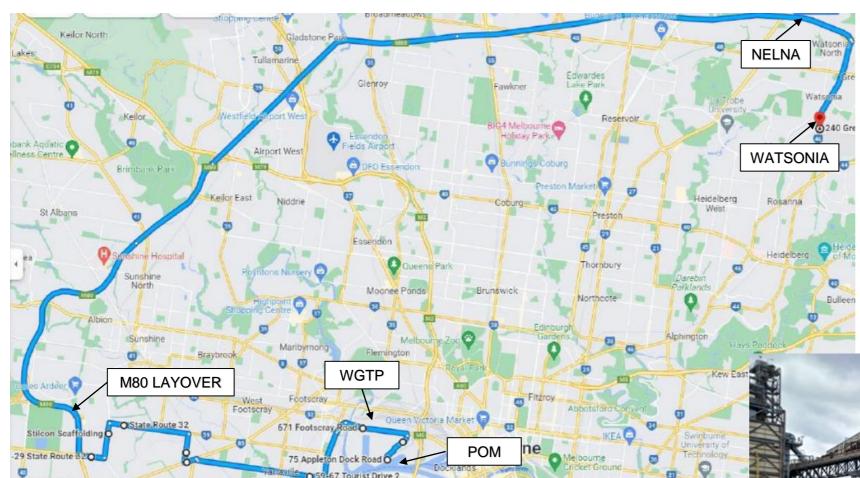
WTMP's Schedule Forecast

This table details upcoming WTMP Rev A's that are planned for submission for the purposes of reviewer resource planning.

Area	Title	Rev # Estimated Delivery Date	Forecast Implementation	Scope Brief
Bulleen	Road Diversion Construction	31 August 2023 (Rev 2.01)	Mid-September 2023	Bulleen Road temporary alignment construction, Rev 2.01 update to include new Veneto Access
Bulleen	Bulleen Road Switch	29 August 2023 (Rev A)	November 2023	Bulleen Road switch from existing Bulleen Road to new alignment.
Manningham	Bridge Street Diversion	31 August 2023 (Rev 2.01)	Mid-September 2023	Update to capture Bridge Street re-alignment and additional works to modify traffic islands and kerbs.
Watsonia	TBM Box and Vent Tunnel and Stack Site Works	1 September 2023 (Rev D out for review)	September 2023	Initial construction activities in the Vent Stack Site and Piling Works in the box site
Watsonia	TBM Spoil Conveyor Belt Installation	6 September 2023 (Rev C out for review)	Mid-September 2023	Overnight closure of Greensborough Rd to lift the conveyor belt into place
Lower Plenty	Main Works	15 September 2023 (Rev B)	September 2023	Main works scope of Lower Plenty Precinct – No major traffic changes.



TBM Deliveries – Delivery Route



TBM Deliveries:

First deliveries have arrived at the Port of Melbourne.

TBM componentry to be delivered between September 2023 and March 2024.

Deliveries to be undertaken by Doolan's (a heavy haulage contractor).

Coordination with:

- Other projects WGTP & NELNA
- Key stakeholders DTP & NHVR

Superload Delivery Dates September:

Road Cutter Head (from M80 stopover)

Saturday 9th Sept - night

Conveyor bridge (from Deer Park)

Thursday 21st Sept - night

TBM Deliveries – Traffic Management North (M80)



M80/Greensborough Bypass Closure:

- M80 westbound carriageway closure between Plenty Road and Grimshaw St to bring super loads on the wrong carriageway due to their size.
- Loads generally travelling in this area in the early hours of the morning 12-3am

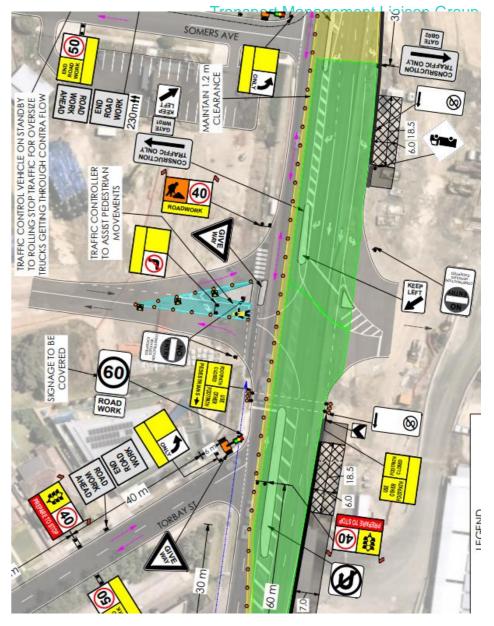
TBM Deliveries – Traffic Management (Watsonia)

Greensborough Hwy Lane Closure: 9th Sept 2023

- Contraflow or shuttleflow setups to facilitate superload movements and signal lantern works into the Watsonia site
- Loads generally arriving to site in the early hours of the morning 2-5am

Swept Path into Watsonia at the TBM Segment Shed:





Greensborough Road Lane Closure at Winsor Reserve:

Watsonia (North) – September Works



Winsor Reserve Site:

Ongoing works for the spoil shed construction until October 2023.

Upcoming - Installation of new barriers in front of the conveyor belt footings.

Traffic Management:

- Some nightly lane closures and contraflows
- Footpath and road closures Somers Ave

Watsonia TBM Site:

First segment shed gantry crane installed.

Traffic Management:

Some nightly lane closures and contraflows

Watsonia (North) - Greensborough Rd Closure

Conveyor Structure Delivery & Installation:

Installation of the TBM spoil conveyor belt (35m long, 10.5m wide and 3.5m high) over Greensborough Hwy to Winsor Reserve.

Traffic Management:

- Contraflow at Winsor Reserve Thurs 21st Sept (Delivery)
- Closure of Greensborough Highway between Grimshaw St and Lower Plenty Road - Friday 22nd September from 9pm to 6am (Installation) -Contingency Saturday 23rd September

Mitigation Strategy:

- VMS Strategy
- Signal Trims
- NHVR notification Including for some vehicles that can't be catered for (8 and 9 wheel axle cranes), vehicle hold points to be established on GB Hwy
- Local access maintained via localised detours
 - Bus and Emergency Services detours in place 10pm to 5am
 - Emergency Services briefing to be provided late next week
- Extensive communication strategy (Radio/TV/Social Media)

Localised detour around the closure:



Watsonia (North) - Greensborough Rd Closure

Conveyor Structure Delivery & Installation:

Wider road network detour for the Greensborough Hwy Closure for general public and various vehicle class

S/B DETOUR 1/2 (UP TO B-DOUBLE)

S/B DETOUR 2/2 (UP TO NON-ARTICULATED HR)

N/B DETOUR 1/2 (UP TO B-DOUBLE)

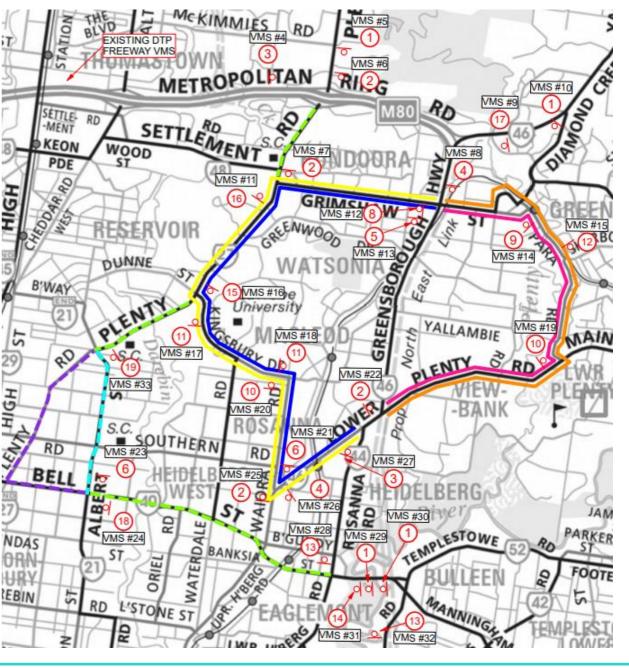
N/B DETOUR 2/2 (UP TO B-DOUBLE)

S/B AND N/B DETOUR (OSOM AND LIMITED CLASS 1)

S/B AND N/B DETOUR (OSOM)

S/B AND N/B DETOUR (LIMITED CLASS 1)

wider road network detour



Lower Plenty (North)

Cross Passages Investigation Activities **Banyule Road Closure**

September 19 to September 28 (24 hours)

Banyule Road Closed between McCrae Road and Beverley Road.

Buses diverted from first to last bus during the works.

No Stopping parking restrictions implemented on one side detour wide to facilitate bus movements.

VMS and Bus Closure advertising commenced 4 September.



Closed Bus Stops

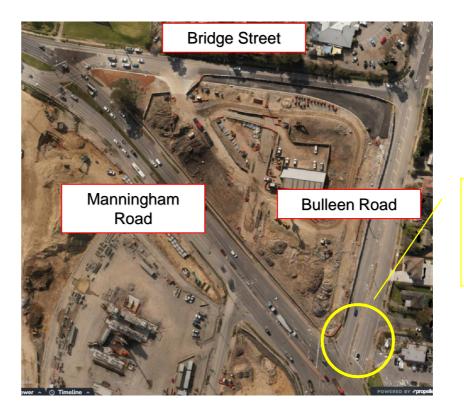
Banyule Primary School

Manningham (September Works)

- Bridge Street re-alignment for utility works
- Nightly lane closures on Manningham Road, Bridge Street and Bulleen Road for utility works and traffic island modification.
- Removal of traffic island at Manningham Road/Bulleen Road



Manningham Compound (D-Wall works)

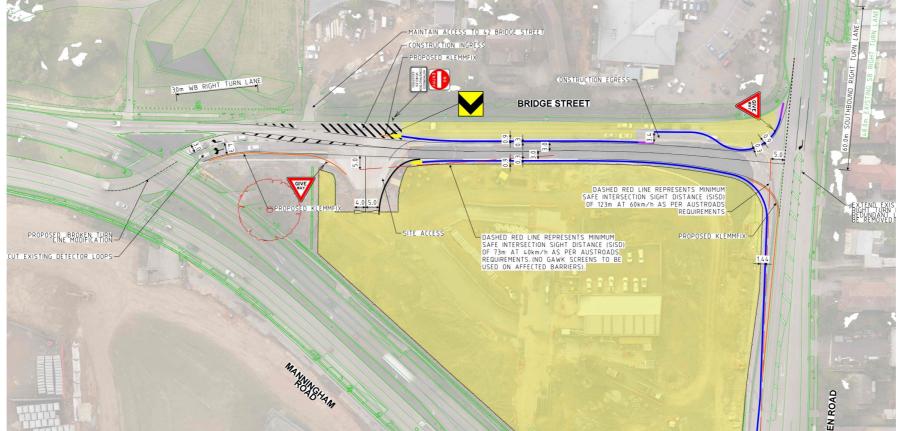


Bridge Street (Diversion Works Area)

Kerb adjustment and traffic island to be removed

Manningham (September Works)

- Bridge Street re-aligned to the south to allow existing lanes to be used for utility works alignment in place until 2024. No impact to residential access (42 Bridge Street)
- One-lane maintained in each direction with 2 lanes still open at Manningham Road intersection

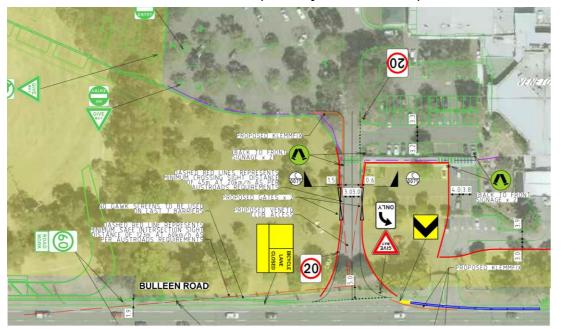


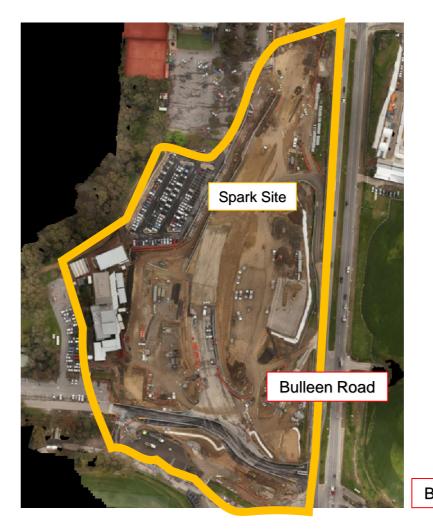
Bridge Street - Re-Alignment (Utility Works)

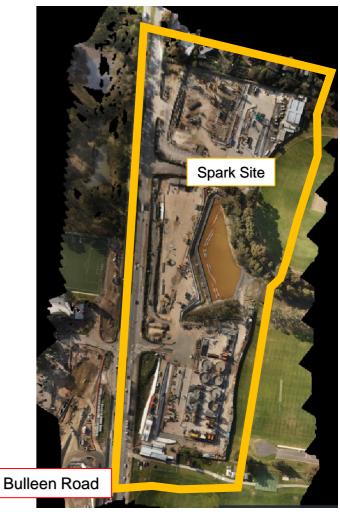
Bulleen (September Works)

North East Link Program

- Ongoing Bulleen Road lane closures (night works) for utility works and civil works
- Opening of new Veneto public access (mid-September).
 Veneto access will be left-in/left-out. Emergency services to arrive from the south
- Ongoing construction of Bulleen Diversion (Bulleen Park) and D-Wall construction (Trinity Grammar)





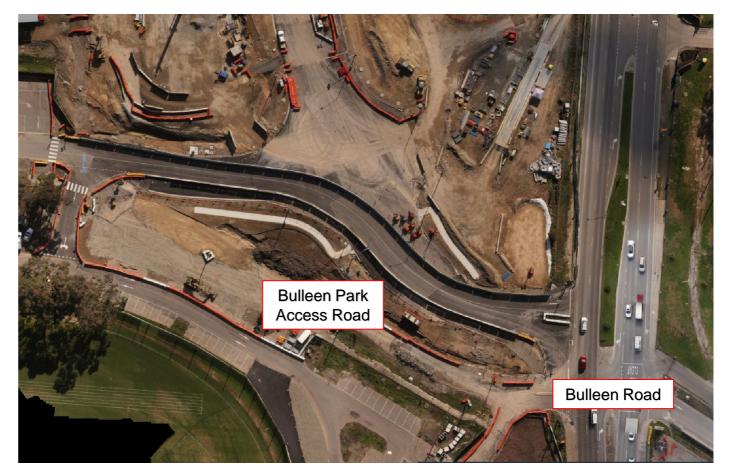


Bulleen Park

Trinity Grammar

Bulleen – Completed Works

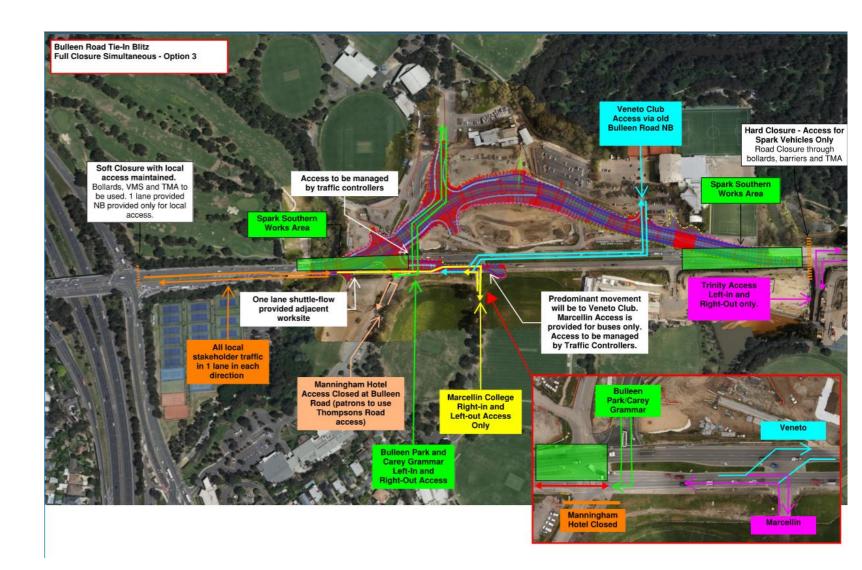
- Bulleen Park Access Road re-aligned by Spark in August
- Old Bulleen Park Access Road closed to allow Spark to continue with construction of road diversion
- Carey Grammar access relocated



Bulleen Park Access Road (re-aligned)

Bulleen (November 2023 – Full Closure)

- Spark is proposing to close Bulleen Road for 10 days in November 2023 (date TBA).
- Full closure of Bulleen Road between Golden Way and Thompsons Road, with local access to stakeholders maintained via the southern end of Bulleen Road.
- Traffic modelling in development to advise on estimated travel time delays and impacts
- VMS and Travel Time Board strategy to be implemented by Spark to encourage drivers to take alternative routes.





Questions?







North East Link Program

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