MEETING NOTES – Mitchell Freeway Southbound Widening Project

Date:	11 October 2018	**Time:**	6.00PM	**Location:**	Mt Hawthorn Lesser Hall
Distribution:	Members of the CRG and MRWA project webpage				

Attendees:	Andrew Graham	BMD	Peter Bull	Resident
	Anna Massey	Resident	Philip Taylor	West Cycle
	Brian Carty	Resident	Pina Christie	Resident
	Cyril Eliopulos	Resident	Tad Krysiak	Resident
	Fiona Goodbody	Department of Transport	Tom Barratt	Resident
	Jamie Robertson	BMD	Vivian Warren	BMD
	Jeff Williams	Resident – Melrose		
	Kathryn Paddick	Main Roads	Matt Thrush (Visitor)	ARUP
	Mark Nicholl	Main Roads	Daniel Lloyd (Visitor)	Lloyd George Acoustics
	Mohammad Siddiqui	Main Roads	Feargal O'Hara (Visitor)	Main Roads

Apologies:	Warren Apter	Department of Transport	
	Fiona Goodbody	Department of Transport	

NO.	ITEM / DETAILS	RESPONSE	FOLLOW UP	PROJECT COMMITMENT
1	**PURPOSE OF THE CRG**			
1.1	The CRG has now transitioned to BMD Constructions. The focus is construction related and it is designed to; – create a forum for discussion and exchange of information on topics related to the project; – help identify local opportunities, issues and concerns; and – act as a two-way communication link between the project team, the community and key stakeholders.			
2	**ACTIONS ARISING FROM PREVIOUS MEETING**			
2.1	Main Roads decision making.	Action items relating to Main Roads decision making from the previous meeting need to be followed up by individual participants directly with Main Roads via Kathryn Paddick – 9323 4198 Kathryn.paddick@mainroads.wa.gov.au		Main Roads will meet with participants who expressed an interest in discussing actions arising from previous minutes.

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2.2	Presentation of 15% noise wall design	Presented at this meeting		
2.3	Traffic Management	Traffic management commences in early November with line removal and marking and the installation of barriers. For information on traffic management subscribe to the email list on the project website at www.mainroads.wa.gov.au		
2.4	Changes to Vincent Street Ramp	The designs have not been finalised – will be presented at the next CRG meeting	Present the designs for the Vincent Street Ramp to the next CRG	
3	**PROJECT UPDATE**			
3.1	Design commenced in June 2018 and is scheduled for completion in December 2018. Early engagement with stakeholders has already commenced including meetings with local governments and engagement with residents around Melrose Street. Constructions works are expected to start in early November 2018 Traffic changes are expected to be in place from early November 2018 and include barrier deployment and line removal. These are nightworks. Works will commence at the Powis St to Vincent St end and move north for 7km.			

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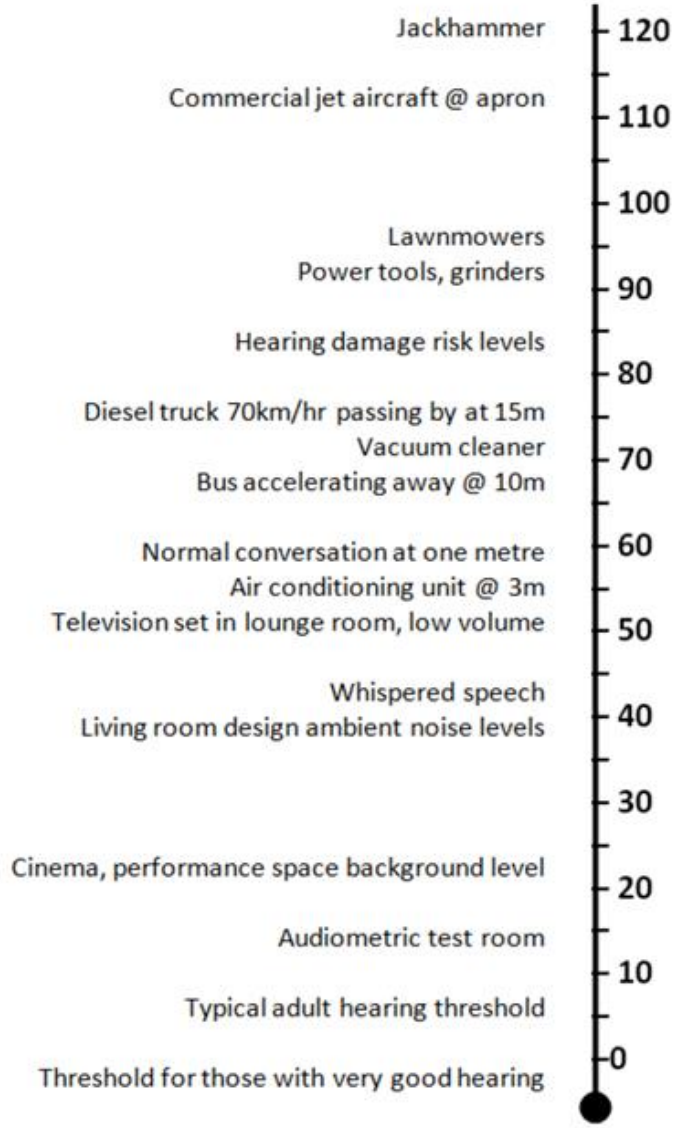
4	**NOISE MODELLING (PRESENTATION FROM LLOYD GEORGE ACOUSTICS)**			

4.1	State Planning Policy 5.4 is the policy that guides noise wall design.
	• The policy was developed through national and international studies on exposure to transportation noise
	• Sets a "Target" level of L_{Aeq} 55 dB and a "Limit" level of L_{Aeq} 60 dB
	• These criteria apply to future traffic volumes (15 to 20 years)
	• For road modifications the criteria is to achieve the "Limit" criteria
	• We do not design based on maximum noise (sirens, loud motorcycles etc) because these are one-offs – we design based on average noise determined over a 7-day period of noise monitoring (noise loggers located 1m from the strategically positioned houses).
	• Existing vegetation has no discernable noise mitigation properties – vegetation improves visual amenity rather than reducing noise.
	• The predictions include:
	  • Land contours
	  • Distance from road to receiver
	  • Physical barriers such as bunds and walls
	  • Traffic volumes
	  • Traffic speed
	  • Percentage of heavy vehicles
	  • Type of road surface
	  • Road gradient
	  • Calibration factor determined from measurements
				

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5	**PRELIMINARY NOISE WALL DESIGN**			
5.1	Andrew Graham presented the noise wall design based on the noise modelling. He noted that these are early designs and reflect the minimum requirement based on noise modelling.	Constructability throughout the job – would be good to build first but not always possible.	At the next meeting we will bring the 85% design for the noise wall.	The CRG will provide input on the wall colours.
5.2	The absence of a noise wall along Britannia Park.	As a guide, the further away you are from the noise the less you will be impacted. The houses adjacent to Britannia Park do not require walls based on the noise model. We need to balance the desires of those who have chosen to live close to the freeway with the desires of the broader community to maintain the existing mature tree canopy. The location of services and other installations are also considerations in the location of noise walls.	Investigate if there are other factors that can be considered to support noise walls in this location.	
5.3	Noise walls are constructed as close as possible to where the noise is generated or to where the noise is received.	The locations of the walls are still being finalised and we are very conscious of the community's preference to preserve the existing tree canopy. This is one of our considerations when considering locations. The project has already actively engaged the City of Vincent to understand the significance of the existing vegetation and will meet with the City of Stirling shortly.		Noting the community's strong preference for noise mitigation and the retention of trees, where it does not compromise the effectiveness of the noise mitigation, the project will select noise wall locations that minimise the amount of clearing.
6	**Community Engagement Plan**			
6.1	The Community and Stakeholder Engagement Plan (CSEP) was presented. The CSEP details a proactive engagement strategy rather than a reactive strategy – it is designed to predict rather than respond to the needs of project stakeholders. It covers seven key areas 1. Risks & opportunities 2. Stakeholder mapping 3. Project personnel and roles 4. Communication channels 5. Approval processes and protocols			

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	6. Management of enquires and feedback 7. Monitoring and evaluation Negotiables (areas for CRG and community influence) • Noise wall design including colours • Landscaping • Community engagement methods and evaluation • Mitigation of adverse impacts such as vibration and noise • Traffic management including detour planning and access • Management of security External Channels • Newsletters • Media Releases • Public displays • Media advertising • Webpage • Social Media • Radio • CRG • 24/7 project information line • Addressed letters • Email broadcasts • Variable message boards • Online evaluation survey Internal Channels • Training of Project Team • Toolbox meetings • Weekly communications project meeting • Vibration monitoring			
6.2	CRG feedback on Community Engagement Plan		The plan is very detailed, and participants are welcome to contact Jamie if they have questions or	

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			require additional information.	
7.	**Environment Management Plan**			
7.1	The Environment Management Plan (EMP was presented. The plan covers the following areas 1. Risk 2. Compliance obligations 3. Project personnel and roles 4. Incident management 5. Monitoring 6. Communications The EMP intersects with the CSEP, using the same process for complaints management. The Stakeholder and Community Manager also has a proactive role to play around noise and vibration monitoring. The subject areas for the EMP include; • Acid Sulphate Soils • Air Quality* • Chemical Substances Management • Cultural Heritage Management • Energy Use and Greenhouse Gas Emissions Management • Erosion and Sediment Control • Groundwater Management • Flora and Fauna Management* • Noise and Vibration Management* • Soil and Land Management • Waste and Recycling Management • Water Quality Management • Weed and Pest Management • **Air Quality** Goals			

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– Dust, smoke, emission and odour levels are to be minimised.
– No burning of any waste materials to be carried out.
– No complaints related to air quality from the local community.

Mitigations (summary)

- Adequate water application techniques will be utilised daily to control dust sources.
- All vehicles hauling materials will be adequately covered.
- Wherever possible, work activities likely to generate excessive dust will be programmed during mornings (wind speeds are lower).
- Existing vegetation will be retained wherever possible to assist in limiting dust levels.
- Dust generating activities to be avoided or minimised during dry and windy conditions.
- Activities generating dust will cease, to ensure visible emissions clear before recommencing work.
- Topsoil and spoil stockpiles areas not being worked will be temporarily covered to minimise dust.
- Landscaping of completed works as soon as possible to assist in limiting dust levels.
- Dust monitoring to confirm compliance in the event of complaints.

Noise and Vibrations

Goals

– Noise and vibration levels are to be minimised.
– Construction activities and traffic will be minimised as much as practicable near sensitive receptors.
– No complaints related to noise or vibration from the local community.
– Vibration targets apply to the project: not to exceed 5 mm/s

Mitigations (summary)

- Property Condition Surveys to be completed by an independent assessor.
- Sensitive Receivers located in proximity to the proposed works will be regularly consulted.
- Advance warning of any out of hours or high-risk work activities.
- Continuously monitor vibration levels during construction.
- Limit ground vibrations in adjoining properties.
- Project work hours to be strictly adhered to throughout project delivery.
- Plant, equipment or machinery emitting excessive noise levels will be removed from site until repaired.
- In cases where noise or vibration levels are too high, modification or substitution of work methods will be undertaken wherever possible.
- In response to complaints, the source of excessive noise or vibration will be immediately shut down until adequate monitoring and reporting has been undertaken.

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	Flora and Fauna Goals – Identified trees must not be removed or damaged. – No damage to vegetation outside of allowable project constraints. – Minimise native flora and fauna habitat loss and disturbance. – No avoidable injuries or deaths to native fauna. – No complaints related to native flora or fauna. Mitigations (Summary) • Vegetation to be protected shall be setup as 'Exclusions zones' and will be flagged off with barrier mesh and signed accordingly. • The foreman will supervise clearing limits and the surveyor will be on hand to assist with the mark out of detailed areas if required. • Waste vegetative material resulting from vegetation removal will be mulched for use for use in landscape works. • Re-vegetation of disturbed areas to be implemented as soon as practicable. • Clearing will be sequenced to prevent animals being cornered or trapped in an area. • Any fauna found during or following clearing operations will be relocated by a fauna spotter. • In event of encounter with native fauna (e.g. snakes), the area is to be protected until such time that the animal moves along on its own accord. Alternatively, a fauna spotter will be used to remove the animal. • In event of injury, the animal will immediately be taken to a local wildlife handler / vet. • Clearing limits, trees protective barriers, nesting sites, significant habitat areas, and other important features are to be clearly identified and communicated to workers. • Should any timber suitable for wood turning be encountered on site, it will be made available to the Woodturners Association of Western Australia. • Standard complaints management procedure will be used to manage complaints/issues regarding vegetation clearing.			
7.2	Night works (afterhours 7pm-5am and Sunday and Public Holidays) are unavoidable because of traffic requirements and safety. We do however have mitigations in place and use the ALARP principle to ensure impact is as-low-as-reasonably-practicable when night works cannot be avoided.		Email to participants the mitigations used for nightworks, including the positioning of lighting.	Residents that are likely to be impacted by afterhours works will be notified in advance of the works.
7.3	The property surveys have commenced for properties within 100m of the works. We are not aware of any buildings near the project that has a special status that			

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	would make it susceptible to damage beyond 100m of the works.			
8	**OTHER ITEMS**			
8.1	Consideration of the needs of disabled users of the PSP.		Check with DoT who is responsible for these considerations and their integration into the PSP standard.	
8.2	Cyclist related feedback.		Phil to raise these with Jamie directly as PSP designs have not yet been tabled with the CRG (Next meeting).	
8.3	Native plants, using a mix of tube and seeds will be planted as a part of the landscaping.		Landscaping plan to be presented at the next CRG meeting.	
5	**DATE OF NEXT MEETING**			
	To be confirmed, likely to be January or February 2019.			