

MINUTES OF MEETING -

Construction Reference Group (CRG) Murdoch Drive Connection Meeting #7

Date:	Wednesday 5 December 2018	Time:	18:00-20:00	Location:	Metropolitan Road Improvement Alliance
Distribution:	on: All CRG members and meeting visitors				

	Samantha	Murdoch Chase resident	
	Dana Checksfield (proxy)	Cockburn Community Wildlife Corridor Inc – Committee member	
Attendees:	Felicity Bairstow	Cockburn Community Wildlife Corridor Inc – Committee member	
Attendees:	Charles Sullivan	City of Cockburn	
	Jorelle Little	CRG Executive Officer	
	Linton Pike	CRG Chairperson	
Visitors:	John Robertson	Project Manager, MRIA/Main Roads WA	
	Glenn Parnham	Design, MRIA	
	Nelson Serrao	Construction Manager, MRIA	
	Lindsay Broadhurst	Director Road Planning, Main Roads (guest presenter)	
Apologies:	Kimberley Broztl	Manager Engineering, City of Melville	
	Dr Jonathan Tan	Bateman resident, local General Practitioner	
	Decima	Bibra Lake resident	
	Kim Sadlier	Success Residents Group	
	Cam	Ardross Resident	
	Mark Ashby	Principal, Kennedy Baptist Collage	
	Chris White	Executive member, Transport Infrastructure Council of Western Australia	
	Dr Maree Matthews	Principal, Bluegum Montessori School	

	Joe Branco	North Lake Resident, approved representative of local indigenous families
	Cr Philip Eva	Elected member, City of Cockburn
	Yaz Mubarakai	MLA, Member for Jandakot
	Cr Nicole Robins	Elected member, City of Melville
	Thorsten	Cockburn Community Wildlife Corridor
	John	Murdoch Chase resident
	Jillian	Murdoch Chase resident
	John	Bibra Lake resident
	Kevin	Bibra Lake resident
	Phil	Bateman Resident
	Matthew Young	Murdoch University
	Mick McCarthy	City of Melville
	Terry Pearce	Project Director, MRIA/Main Roads WA
Resigned from CRG:	James	Booragoon resident
	Anonymous	Leeming resident

Note: residents are listed first name only and residential location, representatives of organisations are listed in full

NO.	ITEM / DETAILS			
1	PREVIOUS MINUTES AND ACTIONS ARISING Comment was invited on the previous minutes to identify proposed changes or omissions: No changes were requested by CRG members. Actions arising from previous meeting were discussed as follows: 			
	ACTIONS ARISING FROM APRIL 2018 MEETING	FOLLOW UP REPORTED AT THIS MEETING		
	 "On boundary" and "off boundary" noise wall treatments differ in impact with the "off boundary" option has less environmental, property and construction impacts associated with the off-boundary location. We value the opinions of directly affected residents and will be discussing with individual property owners. Jorelle to liaise with Leeming resident (anonymous) to arrange a follow up meeting to discuss the recommended option and consultation approach. 	This will be addressed in the presentation to be made at this meeting.		
	If anyone wishes to have their names removed from previous minutes please let Jorelle know. Leeming resident (anonymous) asked to have name excluded. The agreed protocol is to provide first name only and area, unless members specifically ask to be anonymous. Groups or organisations to have both names ACTION: Jorelle	This has now been actioned for Meeting Minutes. The Meeting Agenda still contains full names as it is not published on webpage.		
	Local road traffic modelling was used as the basis for noise modelling. John Robertson to seek clarification from Road Planning (Main Roads) on the updated ROM model. ACTION: John	Guest presenter (Lindsay Broadhurst) here tonight to address this.		
	It is difficult to work with every community group but Jorelle will work with Christine to develop a suitable response to the request to attend the Bibra Lake Resident Association meeting ACTION: Jorelle	Nelson Serrao and Jorelle Little attended the last BLRA meeting and provided an update		
2	GUEST PRESENTER – TRAFFIC MODELLING – LINDSAY BROADHURST			
	 Lindsay Broadhurst, Director of Road Planning for Main Roads WA explained that: Previous modelling Land use assumptions from 2013/14 Sourced from local government and major structure plans Used for surrounding major projects: Armadale Rd upgrades, Kwinana Fwy NB wi Concerns raised about high projected volumes on Murdoch Dr Requested further ROM modelling using revised land use for MAC area 	dening		





NO.	ITEM / DETAILS		
	 Other planned road connections to MAC area New connection to Farrington Road proposed via southern extension of Fiona Wood Drive Will be a local road (City of Melville) Will relieve traffic volumes on Murdoch Drive 		
3	QUESTIONS AND ANSWERS		
Q	Does the traffic modelling reflect available parking and visitor levels at major facilities like Fiona Stanley or Murdoch University?		
А	Yes, it reflects the existing and planned future land uses and reflects the assumed share that each mode of transport will take eg car, bus, truck, train, etc.		
Q	What will happen on Farrington Road over time as residential development proceeds?		
A	The modelling shows that all forecast future traffic volumes can be managed using existing and planned future infrastructure. There will still be congestion at peak times in the long term.		
Q	It is still difficult to get onto Farrington Road from Murdoch Chase. Will that change?		
А	Traffic volumes and movement patterns will settle over time particularly once construction is complete.		
Q	Could traffic calming be included on Farrington Road?		
А	The inclusion of traffic calming on Farrington Road is not proposed as part of these works. Ongoing management of Farrington Road and the potential future inclusion of traffic calming is a matter for the City of Cockburn to consider.		
Q	Bibra Drive is already a rat run for traffic yet the forecasts show the numbers dropping over time. How is that possible?		
A	The numbers are not absolute and only indicate likely future trends. Bibra Drive is a lower order road link and we expect numbers to drop over time as other routes become easier and more appealing. When the project is complete, we will review the actual traffic numbers and conduct traffic counts.		
Q	What other options exist to provide future relief to the local network?		

NO.	ITEM / DETAILS	
А	Fiona Wood Drive will be built in the longer term and take some load off Murdoch Drive and Farrington Road.	
Q	City of Cockburn has done their own traffic study and will also do traffic counts in a year or so. Bibra Drive, Hope Road and other forecast decreases will be checked against subsequent CoC traffic counts.	
А	Noted.	
Q	Fiona Wood Drive and other growth would impact upon Farrington Road traffic in the future.	
А	Agreed. However, project case is still a better option than the current do nothing option which has higher traffic volumes	
Q	When will Fiona Wood Drive be built?	
А	We don't have a date in mind and it would subject to growth trends. It is likely to be between 2021 and 2031 when some form of relief will be needed for Murdoch Drive.	
Q	Will Murdoch Drive become a rat run from Murdoch to Roe Highway?	
A	Select Link Modelling showed little traffic use Murdoch to access South St and other rat run destinations serviced by other available routes not offering an attractive alternative. The purpose of Murdoch Drive is to provide ready access in both directions to and from Murdoch without taking it all to South Street.	
4	CONSTRUCTION UPDATE - NELSON SERRAO	
	Nelson Serrao provided a construction update using four aerial photographs taken using a drone. A time lapse video was also shown to help understand the bridge construction process underway over Kwinana Freeway including the beam lift strategy.	
	Nelson explained that:	



NO. ITEM / DETAILS



NO.	ITEM / DETAILS	
	 Kwinana Freeway night closures (Feb 2019) 10PM – 4AM 2000 – 2100 - Prestart & coordination meetings 2100 – 2200 - Set up closure/detours 2200 – Freeway Closed 2230 – 0230 - Carry out beam lifts 0230 – 0400 - Closure removal prep. work 0400 – Freeway Opened 0400 – 0500 - Pack up & debrief meeting 	Rebound Volume:25 LEGEND EXISTING ROAD PROPOSED ROAD CLOSURE Description Toti toti toti toti toti toti toti toti
	Other traffic impacts and detours include: - PSP detours - Farrington Road night closure (5-6 December) - Bibra Drive closure and detour – (early January - 4 weeks) - Kwinana Freeway northbound lane realignment – (15 Jan) - Kwinana Freeway night closures (4-6 Feb and 10-15 Feb)	Rebound Volume:111 Propried Road Lussine Pro







NO.	ITEM / DETAILS		
5	QUESTIONS AND ANSWERS		
Q	What are the barriers on the northbound lanes of Kwinana Freeway for?		
A	To provide safe working space for lane works behind the barriers and for noise wall and other associated works.		
Q	The time lapse video is a great resource to help people understand the process.		
A	It will remain in place throughout construction and will be used at future meetings to help explain project progress.		
Q	How many beams need to be lifted into place?		
A	There are 8 beams per span. Two cranes will be used to lift the 48.3m long centre span beams into place as night works with associated lane closures. There are special event considerations to consider when planning the timing of the lift. Events include Scorchers Big Bash League and an Eminem concert.		
Q	Will Murdoch Drive be closed for the water pipe works?		
А	Works are planned for January 2019 with lane restrictions required to complete the works. Full closure will be avoided if possible but if unavoidable will be done as night works.		
Q	Are any trees lost to complete the pipe works?		
А	Some minor vegetation may be lost but we have planned the works to avoid existing trees.		
Q	Is traffic calming planned for Farrington Road?		
А	Breaks in traffic flows along Farrington Road will result from traffic lights. The new concept design shows bus stop treatments. Traffic calming measures are not included. Farrington Road vehicle speeds have reduced significantly but are likely to revert post construction. The City of Cockburn is the asset owner and is willing to consider concerns and suggestions.		
6	DESIGN UPDATE – GLENN PARNHAM AND JORELLE LITTLE		
	Bibra Drive design update: Consultation - 17 November – 29 November 2019 MRIA in communication and consultation with various environmental groups regarding works planned west of Bibra Drive. - Tree-sit / protest followed and consultation with various environmental groups - Concerns included a group of mature non-native eucalyptus trees identified for clearing and some shrubs, grass and smaller trees (paperbarks and a palm) and construction impacts to the wetland area. - Questions were raised regarding: • Fauna fencing • Drainage • Construction methods and materials		

NO.	ITEM / DETAILS				
	Outcomes - Redesign of Bibra Drive tie in reduced impact to clearing, with all eucalyptus trees retained as a result (aside from pruning branches overhanging road design) - Incline heading north to roundabout increased, allowing batter to commence north of tree line - One palm tree and three small paper bark trees remain in the clearing zone and cannot be retained Activities in the location include: - - Installation of fauna fence – complete - Clearing of grass, shrubs, palm tree and 3 small paper bark trees - Commence earthworks - Pruning of the eucalyptus trees - Closure of Bibra Drive and construction of roundabout				
	The Bibra Drive design has been revised design moves the round doubt of the result along with pruning of trees that will be retained.				



NO.	ITEM / DETAILS		
	Leeming noise wall design		
7	QUESTIONS AND ANSWERS		
Q	Will fauna fencing be provided at Bibra Drive roundabout?		
А	Yes, but the form and location of the fencing remains to be resolved.		
Q	Danna Checksfield passed on her community's appreciation for the effort made to retain the trees at the Bibra Drive roundabout.		
А	Thank you, the team appreciates the feedback.		
Q	What will happen on the batters when the work is done?		
A	The batters will be revegetated and coated in a wetland mix. The species list will be provided to CRG members by Lorelle Little. ACTION: Jorelle		
Q	Are the batters compacted?		
А	Yes, with a shared path on the shoulders.		
Q	What emergency response provisions are made in the event of a fuel spill or other event near the roundabout?		
A	Spill kits are in place during construction in the event of an emergency. Water monitoring and compliance testing is also in place. Jorelle will provide additional information following the meeting.		
Q	Will bio-filtration be planted on the batters?		

NO.	ITEM / DETAILS		
A	It is not currently planned but ca	an be considered.	ACTION: Glenn
8	GOVERNANCE AND ENGAGI	EMENT _ JORELLE LITTLE	
	Leeming noiseBibra Drive wo	itches and detours wall	
	Community contact over time and by topic is graphed below.	Number of Enquiries by month	Recent interactions August – November 2018

NO. ITEM / DETAILS Vibration Monitoring Vibration monitoring is place with interventions applied as required. Monitors are installed at various locations as shown. Data is captured every 30 seconds Range of locations between works and residents >5mm/sec triggers investigation and response Complaints received are sent to construction and environment team to assess Results from June to December 2018 are shown. Example responses to vibration complaints M7399 MDC @ Currie Place - Compliance Roller working on Gate 16 entrance. Roller facing properties while rolling. Currie Place vibration monitoring: After exceedances were noted, roller was set to low vibes. Resident previously had monitoring conducted at property Was aware of difference between high and low vibe Alerted community team Construction team investigated [s/uu Changed roller to low vibe Man 01/10/18 00:00 Man 01/10/18 02:00 Man 01/10/18 02:00 Man 03/10/18 02:00 Man 03/10/18





NO.	ITEM /	/ DETAILS			
		Whole of project = 20			
	Vibrati	Vibration complaints			
	Lincom	Bibra Lake North Lake Leeming ning CSE activities:			
	 Project newsletter, January 2019 Roadworks update mid December 2018 and mid-January 2019 Email broadcast updates Ongoing targeted communication 				
9	CRG MEM				
Name		Comment	ACTION		
Felicity Ba	Felicity Bairstow I have nothing to add at the moment				

NO. ITEM	DETAILS		
Charles Sullivan	My main concern is the shutdown of Bibra Drive and the detour around the regional playground during school holidays. A suitable response capability is needed during the closure to respond to unforeseen problems. It is a busy area and people park in the area regularly including Adventure World patrons. Jorelle explained that the team routinely completes a Road Safety Audits and responds accordingly throughout the works. The CoC team will also be actively monitoring impacts. Once Bibra Drive re-opens in early February 2019 some work will still have to be completed.		
Samantha	Pedestrians crossing Farrington Road find it difficult especially in peak hour. Opening up of the PSP to get access to the Murdoch Park n Ride is also important with good communications needed to let the community know they can use it. Wetland mix planting species to go to Samantha please.		
Dana Checksfield	 Please check with CoC to confirm traffic modelling numbers for the future. The wildlife corridor will be affected if Farrington Road traffic increases and then needs to be widened over time. Charles Sullivan noted that the current CoC recommendation is that Farrington Road should not be duplicated with no planning to do so. The CoC's planned post completion traffic counts will give us a better indication of trends and volumes. Main Roads will also do post completion traffic counts but needs to include other projects too when identifying network wide impacts. Some consideration of bio filter methods for drainage basins would also be welcome. 		
NEXT MEETING			
Suggested Agenda Similar to to Projecting to 			
The workshop close	ed at 7:50pm		

ATTACHMENTS: 1. Workshop Agenda

ATTACHMENT ONE

WORKSHOP AGENDA

NO.	ITEM / DETAILS	PRESENTER
1	WELCOME	LINTON PIKE
2	GUEST PRESENTER	LINDSAY BROADHURST
2.1	Traffic Modelling	
3	CONSTRUCTION UPDATE	NELSON SERRAO
3.1	Virtual site tour	
3.2	Construction of bridge over Kwinana Freeway	
3.3	Traffic impacts and detours	
4	DESIGN UPDATE	GLENN PARNHAM
4.1	Bibra Drive	
4.2	Fencing (Stone Court)	
4.3	Leeming noise wall	
4	GOVERNANCE AND ENGAGEMENT	JORELLE LITTLE
4.1	Key CSE activities	
4.2	Community contact	
4.3	Upcoming CSE activities	
5	NEXT STEPS	LINTON PIKE
5.1	CRG member comments	
5.2	Topics of interest for agenda	
5.3	Date for next meeting	11 MARCH 2019