

MINUTES OF MEETING

Meeting Number 1

BRG	Airport Roundabout Business Reference Group				
Location:	Brisbane Airport Corporation Boardroom	Date:	5 October 09	Time:	2:00pm

Chaired By: Ruth Moody	Minuted by: Rebecca Lenan	Distribution Date: 15 October 09
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Attendees:
Ruth Moody – TJH (RM), Sarah Blackburn – TJH (SB), Rebecca Lenan – TJH (RL), Glenn Hedges – TJH (GH), Tim Cunningham – TJH (TC), Louise Litchfield – CNI (LL), Lauren Diamond – CNI (LD), Mike Cooper – Boral, Nyree Feeny – The LCR Group, Ian Shaw – DHL Global Forwarding, Terry Rosewarne – Stockland, Marianne Hall – Muscular Dystrophy Association of Qld, Rick Carr – Muscular Dystrophy Association of Qld, Sean Moroney – Q-crete, Leanne Roach – Hendra Police Station, Terry Rossitto – Brisbane Airport Corporation
Apologies: NIL

Distribution Method: Email

Item	Action	By Whom	By When
1.0	Meeting opened: <ul style="list-style-type: none"> Welcome and introductions Intention of these meetings – provide businesses with an update on work and a look-ahead at upcoming construction activities Frequency – bimonthly but subject to change based on feedback and the amount of construction being undertaken Minutes will be distributed via email and uploaded to the project website www.brisconnections.com.au 	RM	
2.0	Project overview: Key features <ul style="list-style-type: none"> Replace existing roundabout with a high capacity signalised ‘fast diamond’ intersection New four lane north south bridge replacing existing Gateway Motorway Construct a 640 metre, four lane bridge linking East-West Arterial Road and Airport Drive over Nudgee Road and the Gateway Motorway overpass Surface road improvements to Airport Drive Project benefits <ul style="list-style-type: none"> Motorists will save more than 10 mins in peak hour traffic at the airport roundabout following construction Improved connections to the airport precinct, the Gateway Motorway and the local road network Widening of East-West Arterial Road to three traffic lanes in each direction Key milestones <ul style="list-style-type: none"> ARU Commencement: June 2009 ARU Completion: 2011 New Gateway Motorway Overpass <ul style="list-style-type: none"> Start construction: August 2009 Start erecting bridge girders: October 2009 Start bridge completion work: December 2009 	TC	

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	<ul style="list-style-type: none"> • East-West Arterial Flyover <ul style="list-style-type: none"> ○ Start construction: September 2009 ○ Start erecting balanced cantilever bridge: January 2010 ○ Construct piers & start bridge completion work: April 2010 Questions • BRG member enquired why the existing Gateway Bridge needs to be removed and a new one built? <ul style="list-style-type: none"> ○ TJH advised that in order to build the new 'fast diamond' intersection, the formation within the existing roundabout, including the existing Gateway Bridge abutments, need to be demolished. 		
3.0	<p>Construction update: Upcoming work activities – to Dec 09</p> <ul style="list-style-type: none"> • Complete bridge piers and abutments for new Gateway Motorway overpass • Install bridge beams for new Gateway Motorway overpass • Median removal along Nudgee Road and adjustment to traffic signals <ul style="list-style-type: none"> ○ Preparation for the removal of the left hand slip lane, from Nudgee Road into East-West Arterial Road • Realign East-West Arterial Road to the south <ul style="list-style-type: none"> ○ Widening work including excavation, relocation of street lighting, storm water diversions and pavement ○ Construction of East-West Arterial flyover approaches/ramps • Commence piling for East-West Arterial flyover – northern side of East-West Arterial Road • Commence East-West Arterial flyover bridge piers and abutments • Widening of Gateway Motorway on/off ramps <ul style="list-style-type: none"> ○ Excavation, relocation of street lighting, storm water diversions and pavement • Pavement work on northern side of Airport Drive in preparation for construction of East-West Arterial flyover <p>Traffic changes</p> <ul style="list-style-type: none"> • Short term relocation of east bound and west bound bus stops on Nudgee Road • Ongoing short term lane closures and stoppages on Airport Roundabout and Gateway Motorway on/off ramps during off peak times <p>Nudgee Road spoil handling facility</p> <ul style="list-style-type: none"> • Ongoing site establishment work at the Nudgee Road spoil handling facility <ul style="list-style-type: none"> ○ Current activities include: <ul style="list-style-type: none"> – Vegetation removal – Preparation of a hard stand area ○ Future activities include: <ul style="list-style-type: none"> – Storage of TBM shed steel structures – Storage of TBM components – Construction of a shed for the spoil handling facility – Construction of a signalised intersection on Nudgee 	TC	

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	<p>Road to facilitate construction vehicle movements</p> <p>Questions:</p> <ul style="list-style-type: none"> BRG member stated that last week there were lane closures on East- West Arterial Road up to the entrance to QCrete, which created some difficulties for trucks accessing the QCrete compound. <ul style="list-style-type: none"> TJH confirmed that while we generally cannot close lanes during the day due to approvals processes, TJH have been permitted by the road authorities to undertake the median strip removal during the day. This approval has minimised community impacts by enabling heavy work (including rock breaking) to occur during the day, not at night. BRG member queried whether the daytime lane closures are likely to be ongoing, and whether QCrete can expect ongoing difficulties. <ul style="list-style-type: none"> TJH advised that consultation will take place with QCrete to discuss the likelihood and frequency of lane closures, and to ensure TJH is aware of the impact on QCrete operations. BRG member queried when the right hand turn to and from QCrete will be taken away. <ul style="list-style-type: none"> TJH confirmed that this will happen as soon as the traffic on East-West Arterial Road is shifted to the south, allowing work to commence on the north. QCrete to be given advance notice of this change. BRG member noted that this will have a significant impact on their operations. <ul style="list-style-type: none"> TJH confirmed that this change will need to be monitored once in place as cannot create a situation where traffic is banking queuing on East-West Arterial Road. BRG member queried whether there is an opportunity to create an access to the QCrete compound via the new intersection to be built at the entrance to the Airport Link site on Nudgee Rd. <ul style="list-style-type: none"> TJH advised that this suggestion would need to be discussed further as there are principal contractor issues to be considered. 		
4.0	<p>Environment Update:</p> <p>Dust monitoring – goals and background</p> <p>Dustfall (depositional dust):</p> <ul style="list-style-type: none"> Goal: 4µg/m2/month (2µg/m2/month typical) <ul style="list-style-type: none"> First set of data due this month <p>PM10 (respirable dust):</p> <ul style="list-style-type: none"> Goal: 50µg/m3 (24 hour average, 5 exced/year) Goal: 150µg/m3 (24 hour maximum) <ul style="list-style-type: none"> 20-40µg/m3 typical in road-side locations Dust storm 23-24 Sept: 460µg/m3 (CBD, hr max) <p>Dust controls</p> <ul style="list-style-type: none"> Four water carts spraying recycled water & street-sweeper Sealed haul road & site entrances Working towards sealing new road components and landscape at earliest opportunity 	GH	

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	<ul style="list-style-type: none"> Ongoing monitoring <p>Noise levels and goals</p> <table border="1"> <thead> <tr> <th>Source of Sound</th> <th>Sound Pressure (decibels)</th> </tr> </thead> <tbody> <tr> <td>Jet engine at 30 m</td> <td>150</td> </tr> <tr> <td>Jack hammer at 1 m</td> <td>About 100</td> </tr> <tr> <td>Major road at 10 m</td> <td>80-90</td> </tr> <tr> <td>Passenger car at 10 m</td> <td>60-80</td> </tr> <tr> <td>Normal talking at 1 m</td> <td>40-60</td> </tr> <tr> <td>Very calm room</td> <td>20-30</td> </tr> <tr> <td>Leaves rustling, calm breathing</td> <td>10</td> </tr> <tr> <th>Goals</th> <th>Sound Pressure (decibels)</th> </tr> <tr> <td>Daytime hotels (external)</td> <td>70 L_{A10}</td> </tr> <tr> <td>Daytime residential (internal)</td> <td>55 L_{A10}</td> </tr> <tr> <td>Daytime residents (external)</td> <td>65 L_{A10}</td> </tr> <tr> <td>Night-time hotel (external)</td> <td>60 L_{Aeq}, 70 L_{Amax}</td> </tr> <tr> <td>Night-time residents (external)</td> <td>50 L_{Aeq}, 60 L_{Amax}</td> </tr> </tbody> </table> <p>Noise and vibration controls</p> <ul style="list-style-type: none"> Eliminate noise <ul style="list-style-type: none"> Day work vs night work Maintain plant and equipment Working hours 6.30am to 6.30pm Substitute <ul style="list-style-type: none"> Less noisier equipment / construction methods (eg: piling) Squarkers vs reversing beepers Reduce Noise Noise barriers / acoustic shields Maintain plant and equipment Use of two-way radios vs horns <p><i>Provided update on noise, air quality and vibration monitoring results (see tables at end of minutes for results).</i></p> <p>Other environmental improvements</p> <ul style="list-style-type: none"> Relocation of Airport Drive Grass Trees, Hoop Pines Clearance of Castor Oil & Chinese Elm weeds Clearing up litter Removing contaminated soils from area Treating and re-using acid sulphate soils in area Using recycled water Recycle wastes off-site Replacing or offsetting all vegetation losses (including mangroves) <p>Questions:</p> <ul style="list-style-type: none"> BRG member stated that QCrete has always had to be extremely careful regarding its operations and their potential impact on the creek behind its plant and queried why Airport Link is allowed to fill it in? <ul style="list-style-type: none"> TJH advised that every reasonable and practical step is taken to prevent sediment from mobilising and getting into the 	Source of Sound	Sound Pressure (decibels)	Jet engine at 30 m	150	Jack hammer at 1 m	About 100	Major road at 10 m	80-90	Passenger car at 10 m	60-80	Normal talking at 1 m	40-60	Very calm room	20-30	Leaves rustling, calm breathing	10	Goals	Sound Pressure (decibels)	Daytime hotels (external)	70 L _{A10}	Daytime residential (internal)	55 L _{A10}	Daytime residents (external)	65 L _{A10}	Night-time hotel (external)	60 L _{Aeq} , 70 L _{Amax}	Night-time residents (external)	50 L _{Aeq} , 60 L _{Amax}		
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	<p>water course (eg: use of sediment fences and ponds).</p> <ul style="list-style-type: none"> o TJH confirmed that there is a stockpile of topsoil behind the QCrete compound, as well as a sediment pond to capture any run-off. TJH is not filling in the waterway but rather stockpiling nearby. 		
5.0	<p>Community relations update: Key communication initiatives include:</p> <ul style="list-style-type: none"> • www.brisconnections.com.au • 24 hour community hotline (1800 721 783) • contactus@tjh.com.au • Business reference group • Community notifications <ul style="list-style-type: none"> o Monthly construction updates and night work updates • Visitor information centre at Centro Lutwyche • SMS updates • Traffic changes, stoppages and detours • Email updates <ul style="list-style-type: none"> o Traffic changes, notifications and construction report <p>Key issues raised – Aug to Oct</p> <ul style="list-style-type: none"> • Dust impacts • Debris along Airport Drive • On-road cycling facilities • Access during construction – staff and customers • Traffic changes – Nudgee Road <p>Community relations activities</p> <ul style="list-style-type: none"> • Project briefings with local businesses • Doorknocks with local businesses • Presentation to Stockland Hendra Distribution Centre tenants • Information display at Hendra State School • Two week information display at Brisbane Airport Corporation – Airport Village <ul style="list-style-type: none"> o Project model on display o Staffed two days a week <p>Upcoming community relations activities</p> <ul style="list-style-type: none"> • Ongoing meetings with businesses • Notifications • SMS / Email alerts • Project updates to business staff and tenants as required • Site tours • Business reference group meeting – December 	RM	
6.0	<p>General business:</p> <ul style="list-style-type: none"> • BRG member queried where the bus stops on East-West Arterial Road will be relocated to as there are staff members who finish work at 7:30pm and will have to walk to the bus stops. <ul style="list-style-type: none"> o TJH confirmed the current plan is for the bus stop on the northern side of the road to be relocated in front of Serpentine Road, but there will also be an interim minor shift, once approved by Translink. The plan for the relocation 		

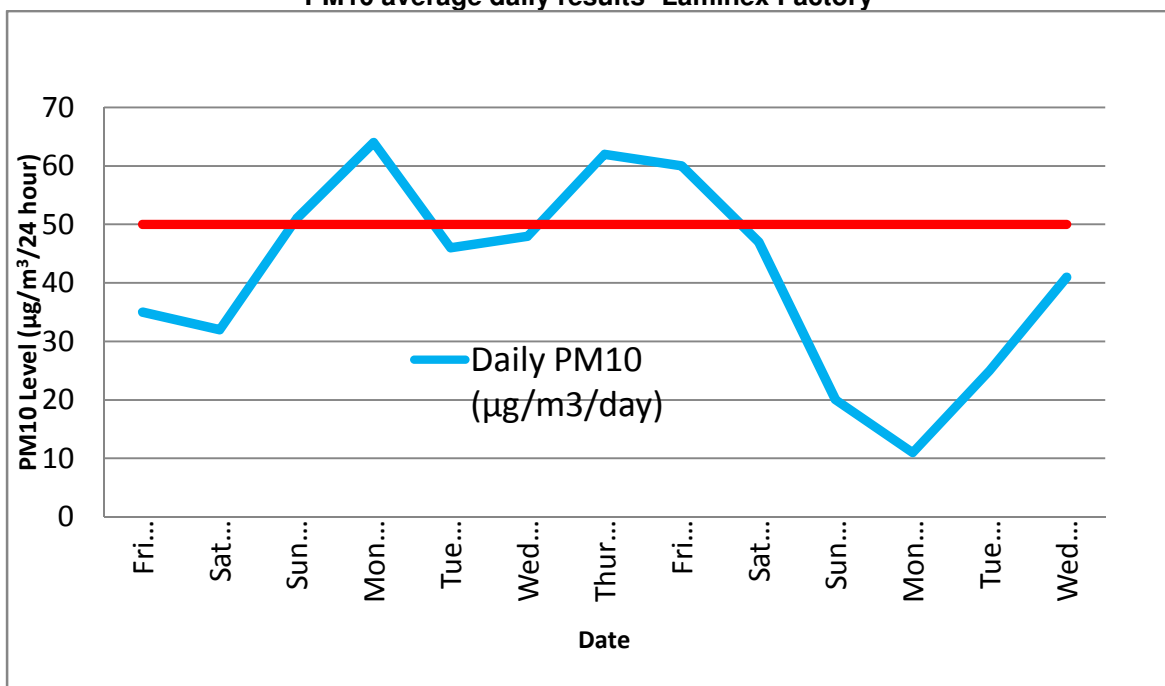
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	<p>of the bus stop on the southern side is yet to be finalised.</p> <ul style="list-style-type: none"> BRG member stated that many workers in the area use the bus stop and at times cross East-West Arterial Road to get to it. BRG member would ideally like to see a footpath built so that staff can safely walk from end of Hedley Ave onto Nudgee Rd. <ul style="list-style-type: none"> TJH confirmed that the widening of East West Arterial Road is extensive and continues to the edge of the distribution centre, so the installation of a footpath may be difficult. TJH confirmed they will investigate and get back to member with response. BRG member enquired if it would be an option to negotiate with Stockland to move their fence back and create room for a footpath. <ul style="list-style-type: none"> TJH noted the suggestion and advised they would investigate all options. BRG member enquired if the permanent bus stop will be at the intersection of Nudgee and East-West Arterial Roads. <ul style="list-style-type: none"> TJH advised they need to confirm and get back to member. BRG member enquired if the Airport Roundabout Upgrade model is at the BAC Viallage this week and next. <ul style="list-style-type: none"> TJH advised that it will be there this week only and will be manned for a period on Wednesday and Friday. 		
7.0	<p>Next meeting:</p> <ul style="list-style-type: none"> Next meeting to be held in December. Invitations will be sent out in advance. 	RM	

PM10 average daily results- Laminex Factory



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Noise monitoring – Formule 1 Hotel Hendra

Location	Monitoring Period	Average L_{Aeq} (15 min) (dBA)	EAR Goal L_{Aeq} (15 min) (dBA)	Average L_{A10} (15min) (dBA)	EAR Goal L_{A10} (15min) (dBA)	Average L_{Amax} (15 min) (dBA)	EAR Goal L_{Amax} (15 min) (dBA)	Comments
Rm 232	Tues 18/8/09 10.16-10.32am	47.9	60	48.8	N/A	68.8	N/A	
Rm 232	Thurs 20/8/09 2.22-2.38pm	45.8	60	47.6	N/A	60.4	N/A	
Rm 232	Tues 25/8/09 10.32-10.48pm	38.6	N/A	N/A	N/A	56.1	50	L_{Amax} exceedances caused by passing motorbikes, general non-TJH traffic (refer Figure 2).
Rm 232	Tues 25/8/09 11.15-11.31pm	40.2	N/A	N/A	N/A	59.6	50	
Rm 232	Wed 26/8/09 10.39-10.55pm	41.3	N/A	N/A	N/A	61.0	50	TJH activities involved tracking of crane, use of crane to pitch concrete piles. Exceedances caused by general traffic (refer Figure 4).
Rm 202	Tues 15/9/09 10.05-10.21am	39.2	60	40.3	N/A	45.9	N/A	General construction (no piling) plus general traffic.
Rm 202	Tues 15/9/09 10.22-10.38am	51.7	60	56.9	N/A	61.1	N/A	Piling Pier 1 (directly opposite F1), general construction plus general traffic.

Vibration monitoring – Formule 1 Hotel Hendra

Date / Time Range	99 th Percentile Peak Particle Velocity (mm/s)	Peak Particle Velocity EAR Goal (Human Comfort) (mm/s) ^a	Peak Particle Velocity EAR Goal (Building Structures) (mm/s) ^b	Comments
Tues 18/08/2009 8.27am to Wed 19/08/2009 5.44pm	0.4	0.8	15	Piling during day-time in roundabout approx 50m from Formule 1 Hotel.
Fri 21/08/2009 7.02am to Sat 22/08/2009 6.37pm	0.48	0.8	15	
Thur 3/09/2009 12.14pm to Sat 5/09/2009 4.56am	0.23	0.8	15	