

MINUTES OF MEETING

Meeting Number 21

CLG	Kedron Community Liaison Group				
Location:	Visitor Information Centre, Lutwyche	Date:	14 July 2010	Time:	6:30pm

Chaired By: Barrie Spring	Minuted by: Anthea Craig	Distribution Date: 29 July 2010
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Attendees:

CLG members - Derek Mathews (DM), Anastasia Dick (AD), Maria Lawson (ML), Kate Macdonald (KM), Bruce Davis (BD), Elizabeth Rowland (ER), Michael Brown (MB), Col Harrington (CH), Diane Curtain (DC)

Project Personnel – Gail Furnas (GF)-TJH, Luke Chippindale (LC)-TJH, Nicola Mitchell (NM)-TJH, Louise Litchfield (LL)- CNI, Lauren Diamond (LD)-CNI, Tim Lennon (TL)-TJH, David Rankin (DR)–BCS, Michelle Barisic (MB)–BCS, David Ide (DI)–TJH, Galen Mitchell (GM)–TJH, Kenneth Fyfe (KF)-TJH

Apologies: Charles MacDonald – BCS Deirdre McCue - TJH,

Distribution (Method e.g. email): Email

Item	Action	By Whom
1.0	WELCOME AND APOLOGIES	BS
	A CLG member suggested that the group consider conducting General Business at the beginning of the meeting.	ML
	The Facilitator advised that this matter had been raised before. General Business was moved on the agenda for one previous meeting due to a backlog of issues. This was not a permanent move as that requires a formal vote and the last couple of meetings have not been attended by all the members.	BS
	The Facilitator advised that General Business will be the closing item as per the agenda for this evenings meeting.	
	<i>Post-meeting note:</i> The members can vote to change the order of the agenda but it should be noted that in normal circumstances there will still only be only 30 minutes allocated to General Business. It is also helpful if CLG members can advise the Facilitator prior to meetings if they feel there is an unusually high amount of issues to be addressed in General Business or questions they need specialised answers/information for.	
	The Facilitator asked that members hold all questions relating to the presentations until the end of each section.	
	A CLG member suggested that to streamline presentations they include more information about the purpose of the element or component being discussed and less focus on the engineering aspects.	ER
	A CLG member asked if presentations could be made available prior to the meeting for the groups review so that questions can be asked.	KM
	TJH advised that the presentations required explanation to ensure assumptions were not made and that the members' understanding of activities is accurate.	GF

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2.0	<p>ACTION ITEMS</p> <p>Action 1 – remains open</p> <p>ACTION 2 - CNI to confirm who the document was sent to and request it be sent to the CLG member. CNI reported that the Minister’s office had confirmed advice that the information had been provided to the individual. CLG member confirmed that the information had not been received to date and that requests to the Minister’s office for the documentation have been made to numerous representatives.</p> <p>CNI confirmed that the that the member will need to continue pursuing the request with the Minister’s office</p> <p>TJH confirmed that the issue does not relate to the Community Liaison Group.</p> <p>ACTION 3 - TJH / BrisConnections to provide a presentation about how the ventilation system will operate. The Community Liaison Group confirmed that it would be interested in a 10 minute presentation at some point.</p> <p>ACTION: Ventilation Station Presentation to be added to the forward agenda.</p> <p>ACTION 4 - TJH to include bridge elevations above Kedron Brook and Lutwyche Road / Gympie Road intersection and gradients in the minutes. Ideally these will be equated to house levels for ease of understanding. TJH advised that the standard steel light post (8mts high) on local streets represents the height to the underside of the flyover at its highest point and a standard steel light post (12mts high) along Gympie Road represents the highest point of the flyover to the top of the barrier.</p> <p>An artist impression of the area was provided to the group.</p> <p>Discussion and questions arising from action items:</p> <p>A CLG member asked if this had been changed since the Change Report (May 2008) consultation period. TJH advised that no changes had been made to the height of the bridge structures in this area.</p> <p>ACTION 5 - TJH to provide artist impression images of the permanent design in the Kedron area TJH advised that artist impressions are available at the CLG and on display at the Visitor Information Centre.</p>	<p>LD</p> <p>GF</p> <p>BS</p> <p>GF / GM</p> <p>GF</p> <p>CH</p> <p>GM</p> <p>GF</p>
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	<p>ACTION 6 - TJH will investigate request to have air quality composition assessment conducted. TJH advised that composition of air quality will not be assessed because it is not a requirement of the project.</p> <p>ACTION 7 - TJH to advise both the height of the existing Kedron Brook Building and the Ventilation Station Outlet to provide clarity. TJH advised that the Ventilation Station is 20metres high, approximately 8m higher than the Kedron Brook Building and that Ventilation Station Outlet is approximately 10m higher again.</p> <p style="padding-left: 40px;">Kedron Brook Building – 12 metres Ventilation Station – 20 metres Ventilation Station Outlet – 30 metres</p> <p>TJH advised that the design of the Ventilation Station is being erected among other structures such as the Department of Community Services building, Kedron Brook Building and Kedron State High School.</p> <p>TJH advised that the first level of the Ventilation Station is now visible behind the Kedron Brook Building</p> <p>Discussion and questions arising from action items:</p> <p>A CLG member asked if the Station is the same size as the Clem 7 Station? Bowen Hills ventilation outlet is 38.5 mts and Woolloongabba ventilation outlet is 42.5 mts.</p> <p>A CLG member asked how many commercial stories does the Ventilation Station equate to? TJH advised that it is equivalent to approximately six stories without the ventilation shaft. The ventilation shaft is 10 metres high (three stories) and 6.5mts wide.</p> <p>ACTION 8 - TJH to investigate repositioning of light to reduce impact to pathway users. TJH advised that the lighting had been adjusted.</p> <p>Discussion and questions arising from action items:</p> <p>A CLG member confirmed that the adjustment had made a noticeable difference and that the problem had been resolved.</p> <p>ACTION 9 – TJH to provide an overview of how the logarithmic average is calculated to generate noise monitoring results. TJH provided the formula used to calculate the logarithmic average of a 15 minute noise monitoring session. <i>Additional logarithmic information in minutes Appendix A</i></p>	<p>TL</p> <p>DI</p> <p>GF</p> <p>GF</p> <p>ML</p> <p>ER DI</p> <p>GF</p> <p>KM</p> <p>TL</p>
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<p>Taken from</p> <p>AS.1055.1-1997</p> <p><i>Acoustics—Description and measurement of environmental noise</i></p> <p><i>Part 1: General procedures</i></p> <p>3.5 Time average A-weighted sound pressure level ($L_{Aeq,T}$)—the value of the A-weighted sound pressure level of a continuous steady sound that, within a measurement time interval (T), has the same mean square sound pressure as a sound under consideration whose level varies with time. It is given by—</p> $L_{Aeq,T} = 10 \log_{10} \left[\frac{1}{t_2 - t_1} \int_{t_1}^{t_2} \frac{p_{A(t)}^2}{p_0^2} dt \right] \quad \dots (3)$ <p>where</p> <p>$p_{A(t)}$ is the instantaneous A-weighted sound pressure of the sound signal at time t</p> <p>p_0 is the reference sound pressure equal to 20 μPa</p> <p>t_2, t_1 are the start and finish times of the measurement time interval T.</p> <p>NOTES:</p> <ol style="list-style-type: none"> 1 Time average A-weighted sound pressure level during time interval T is also called equivalent continuous A-weighted sound pressure level with the averaging time interval usually indicated in the format, e.g. 1-hour average A-weighted sound pressure level, $L_{Aeq,1h}$. 2 Equivalent continuous A-weighted sound pressure level is sometimes also used for assessment of occupational noise exposure (see AS 1269). <p>Discussion and questions arising from action items:</p> <p>A CLG member asked what the A-weighting means. The A-weight refers to the sound pressure of a continuous steady sound.</p> <p>A CLG member asked what the difference between the logarithmic average and normal average is. TJH advised that the logarithmic average is as per the formula tabled as opposed to the calculation used to generate a normal or standard average. Use of the logarithmic average is required as per the Australian Standard.</p> <p>A CLG member stated that it is difficult to understand how a loud noise occurring instantaneously during the monitoring period is reflected if the remaining monitoring period records low levels. TJH advised that it will be picked up and be reflected in the results. This is because both LAeq steady state and LA10 is recorded and reported in accordance with the Coordinator General's conditions.</p> <p>A CLG member asked what the components are that generate the logarithmic average. A logarithmic average is used because the scale is a logarithmic scale and the Laeq is recorded as a logarithmic average. A normal average cannot be used in this situation.</p> <p>A CLG member asked if an illustration can be provided of the overall noise levels record in a 15 minute interval.</p>	<p>AD</p> <p>TL</p> <p>AD</p> <p>TL</p> <p>AD</p> <p>TL</p> <p>ER</p> <p>TL</p>
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	<p>recently rebuilt Lutwyche Road (west bound off ramp)</p> <ul style="list-style-type: none"> • Piling will commence across the old Lutwyche Road intersection within Kedron Park Road – between July and September 2010 • Piling has commence in old Hotel car park – between July and August. <p>Gympie Road (Kedron Brook to Arnott Street)</p> <ul style="list-style-type: none"> • Service Relocation Work – electrical and water line continuing • Continue to excavate beneath the realigned Gympie Road and structural works to tunnel have commenced. <p>Kedron Brook</p> <ul style="list-style-type: none"> • Excavation / preparation works for roof slab / tunnel ongoing. • Works to new bridge now complete as far as possible, until roof on southern side complete • Night works for water treatment monitoring at Kedron Brook <p>Discussion and questions arising from presentation: Ultimately, traffic will travel a new bridge and the old bridge will be demolished</p> <p>Gympie Road</p> <ul style="list-style-type: none"> • Broughton and Somerset Roads have reopened. Homebush and Brookfield Roads have closed. NOTE: Somerset Road will need to close again at some point soon as previously advised • CC 702 piling complete mid July. Excavation and continuation of roof slab will follow. <p>Stafford Road (Gympie Road to Clarence Road)</p> <ul style="list-style-type: none"> • Portal excavation • Airport Link Operation Centre (ALOC) building site at Stafford Road Superstructure commenced • CC216 Piling complete, other piling complete late July Excavation / Structural works to CC216 and retaining wall ongoing • Amelia Park stormwater installation ongoing. <p>Discussion and questions arising from presentation:</p> <p>A CLG member asked when the Stafford Road alignment was changed from that shown in the Change Report (May 2008) to the current permanent design alignment, was the change agreed to by the Coordinator General, why wasn't the public consulted or notified and who were the parties involved in the change to the original plan.</p> <p>BrisConnections advised that the Stafford Road alignment upon completion of the project will remain very similar to that presented during the consultation conducted during May 2008.</p> <p>TJH advised that it is the Airport Link Operation Centre that has been moved, not the Stafford Road intersection.</p> <p>There is a temporary alignment change to the Stafford Road between Gympie Road and Stafford Road intersection and Clarence Road to facilitate construction. This will occur from December 2010 to February 2011.</p>	
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	<p>goals</p> <ul style="list-style-type: none"> • Air quality monitoring of TSP (permanent) was carried out at four locations. • TSP monitoring results were reported but there is no goal applied by the COG. The results are compared to the yearly standards as outlined by the EPP goal. • Results continue to demonstrate downward trend. 	
	<p>A CLG member asked what caused the peak in the TSP on 11 June?</p> <p>TJH investigated what might have been the cause of the peak including assessment of site diaries, activities, wind velocity and weather. TSP peaked at all monitoring locations, however the cause is not known. The wind direction on the day was west, south westerly.</p>	KM TL
	<p>A CLG member asked why a machine was taken out for maintenance following the recording of a peak. CLG member is skeptical as to why this would occur and believes that a trend is emerging.</p> <p>TJH advised that it carries out maintenance of its monitors as required and that there is no deliberate correlation between the maintenance of machines and recorded peaks.</p> <p>TJH advised it is not required to report TSP but does so as indication of management tools used by TJH.</p>	KM TL
	<p>A CLG member asked if there were any particular activities occurring at the worksites that day that may have caused the peak?</p> <p>TJH advised that the investigation undertaken did not identify that a particular activity had caused the peak.</p>	DC TL
	<p>A CLG member asked TSP was the acronym for?</p> <p>TJH advised that TSP was Total Suspended Particulate.</p>	BD TL
	<p>Noise Monitoring Results:</p> <ul style="list-style-type: none"> • Noise monitoring was carried out at two properties. • Exceedance recorded at 30 Windsor Ave w windows open but reduced with windows closed • Currently liaising with resident to coordinate mitigation 	TL
	<p>A CLG member asked if the results presented could be considered misleading because a logarithmic average is used to calculate the level.</p> <p>TJH advised that noise monitoring and results were carried out in accordance with and as per the Australian Standard and the goals outlined by the Coordinator General.</p>	AD TL
	<p>A CLG member asked how the noise levels are applied if noise is loudest for a short period of time during the 15 minute session being monitored eg. 5 minutes.</p>	CH

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	<p>TJH advised that two different goals are applied to record intermittent noise and steady noise and that the logarithmic average is applied to generate the result for each.</p>	TL
	<p>A CLG member asked how this was applied when traffic noise is reduced.</p>	CH
	<p>TJH advised that there are night time goals applied for sleep disturbance.</p>	TL
	<p>A CLG member asked if a different generator could be used in the Brookfield Road as the one currently being used is causing sleep disturbance.</p>	CH
	<p>TJH advised that two lighting towers with generators are in place to provide suitable lighting for pedestrians. The type of lighting plants being used has been reviewed and the quietest models available are now in place.</p>	GM
	<p>A CLG member asked when the quieter generators were installed</p>	DC
	<p>TJH advised that they were installed approximately two weeks ago.</p>	GM
	<p>TJH asked if the generators were still causing disturbance.</p>	GF
	<p>CLG members advised that the disturbance had continued.</p>	DC/CH
	<p>A CLG member asked if shielding could be installed to reduce the noise from the generators.</p>	CH
	<p>TJH advised that it would investigate use of an acoustic enclosure or baffle.</p>	TL
	<p>ACTION: TJH to advise outcome of investigation into installation of an acoustic enclosure around the lighting generators.</p>	
	<p>A CLG member asked how noise monitoring can be coordinated.</p>	ER
	<p>TJH advised that community members interested in having noise monitoring carried out at their property could call the 24 hour Community Hotline 1800 721 783.</p>	TL
	<p>A CLG member asked what the response time would be for monitoring requested via the community hotline as he was aware of an instance where monitoring had not been carried out.</p>	MB
	<p>TJH advised that it had not received any specific requests for noise monitoring via the 24 hour Community Hotline.</p>	GF
	<p>A CLG member asked where the residential categories for the application of noise goals were derived from.</p>	AD
	<p>TJH advised that the residential categories were outlined in Brisbane City Council's <i>Noise Impact Assessment Planning Scheme Policy (NIAPSP)</i> and due to the two arterial roads located at Kedron, the area was classified as being in the R4-6 category as defined in this document.</p>	TL/AC
	<p>ACTION: TJH to provide a link to the NIAPSP in the meeting minutes.</p>	

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	<p>http://www.brisbane.qld.gov.au/bccwr/lib181/appendix2_noiseimpact_psp.pdf</p> <p>A CLG member asked if there is a standard for monitoring noise in residential areas or only for construction sites.</p> <p>TJH advised that monitoring is carried out to Australian Standards and that the standard sets the method of monitoring adopted.</p> <p>A CLG member asked if Brookfield Road residents were likely to experience noise from use of a quick cut-saw during the early hours of the morning eg. 2am again.</p> <p>TJH confirmed that it was aware of the instance that the CLG member was referring too and advised that the work taking place at that time was required as materials were being made to fit during construction activities that where taking place on the road.</p> <p>TJH advised that this type of activity may need to be undertaken again during service work.</p> <p>A CLG member asked if services were being relocated multiple times.</p> <p>TJH advised that this was not happening, that extensive service work was required in the area and that during the coming weeks profiling of the roads were service relocation had occurred would be undertaken to reinstate road services.</p> <p>A CLG member asked if monitoring was carried out during the pre-cast beam installation and if the data could be presented as a comparative gauge.</p> <p>TJH advised that this work was carried out as special circumstances work, in this case meaning that the work was done at night time to avoid disruption to traffic and therefore the noise goals do not apply. As this is the case, TJH will not be presenting any noise monitoring results.</p> <p>TJH advised that the use of exhaust brakes or cars with modified exhausts would represent a noise level above the Coordinator General's goals.</p> <p>A CLG member stated that he does not accept that work carried out as special circumstances should be permitted to cause sleep disturbance.</p> <p>A CLG member asked if it would be possible to close Stafford and Gympie Roads during the day.</p> <p>TJH advised that it is carrying out as much work as possible during day work however any work carried out on the road way was subject to the approval and hours determined by the road authority.</p> <p>Authorities generally take the view of how many people are impacted by the work. For example thousands of motorists may be disturbed during peak hour lane closures as opposed to the number of residents disrupted during the work if it is carried out at night time.</p>	<p>KM</p> <p>TL</p> <p>CH</p> <p>GF</p> <p>MB</p> <p>GF</p> <p>DC</p> <p>TL</p> <p>KF</p> <p>CH</p> <p>CH</p> <p>GM</p>
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	<p>A CLG member stated that she believes that the level of noise the community is being exposed can cause or increase the potential of damage to people’s hearing and believes that TJH has a duty of care to the community as well as its employees.</p>	KM
	<p>TJH advised that Occupational Health and Safety indicates that damage to hearing is experienced when an individual is exposed to eight solid hours ie. No tea or lunch breaks, of noise at a reading of 85dba. This is the equivalent to standing next to a piling rig. Residents are not being exposed to this level and duration of noise.</p>	TL
	<p>A CLG member asked if the CLG had previously extended an invitation to a senior member of the road authorities to advise them of the impact night work, carried out during the current permit hours is having on local residents and if the group is able to do so.</p>	ML
	<p>TJH advised that an invitation had been extended to BCC previously however that no response had been received.</p>	GF
	<p>ACTION: Extend an invitation to attend a Kedron Community Liaison Group meeting to Brisbane City Council and the Department of Main Roads and Transport.</p>	
	<p>A CLG member commented that she was advised that BCC has no control over the hours the project works when it has a 24 hours permit for road closure on BCC roads.</p>	KM
	<p>CNI advised that BCC issues the hours of road occupancy when it issues the permit and that this is documented on the permit.</p>	LL
	<p>TJH advised that a permit is also issued by the Queensland Police Service and that this also indicates the time for road occupancy. The occupancy period is requested by TJH subject to advice and previous approvals received from the road authorities.</p>	GF / GM
	<p>A CLG member advised that they would make further enquiry and advise the group of the outcome.</p>	KM
	<p>ACTION: CLG member to advise outcome of enquiry to Brisbane City Council</p>	KM
	<p>Vibration and Blast Vibration Monitoring:</p> <ul style="list-style-type: none"> • Blast vibration results are within the Coordinator General’s goals • Vibration monitoring was carried out at 11 locations 	TL
	<p>Discussion and questions arising from presentation:</p> <p>No questions</p>	

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6.0	<p>COMMUNITY RELATIONS UPDATE –</p> <ul style="list-style-type: none"> • Increase in complaints as a result of PUPs work at night time in most cases. • Relocation offered • Service relocation notice has been very effective and assists people to understand the work and how to contact the hotline. • Extensive door-knocks, particularly about blasting. <p>Discussion and questions arising from presentation:</p> <p>A CLG member advised that the community could tolerate construction noise during the day but stated that the noise at night time was incredibly difficult and was not acceptable to the community.</p> <p>A CLG member asked what can be done about parking issues TJH advised that it is working to educate personnel about appropriate parking and that registered vehicles are able to park on a public road and that TJH could not stop personnel from doing so if driving a private vehicle.</p> <p>A CLG member stated that workers are ignoring the signs that have been installed to prevent parking issues. TJH advised that it conducts regular patrols of staff parking.</p> <p>A CLG member asked if Brisbane City Council was enforcing the parking restrictions it had placed in the area and believes it is BCC's responsibility to also assist with parking issues. TJH advised that it is doing everything it can to prevent parking issues at Brookfield Road including 7.30am and 12pm patrols.</p> <p>A CLG member advised that she had contacted the hotline one evening due to disturbance from noise and requested relocation. The member claims she was advised that relocation was not being offered at the time by the project. TJH advised that it notifies the community of scheduled work and that it is the responsibility of the individual to contact the project should they be concerned about the work scheduled to take place, including requests for relocation. TJH will accommodate people wherever possible, however it is not always possible to relocate people during the night if prior arrangements have not been made.</p> <p>A CLG member requested confirmation that residents must be pre-emptive of likely impacts and contact TJH to assist with the coordination of relocation. TJH advised that this is correct. TJH advised that the notification is distributed to inform the residents of work activities taking place during out-of hour works. If a resident is in doubt and requires additional information, contacting the Community Hotline during business hours to</p>	<p>GF</p> <p>CH</p> <p>MB</p> <p>GF</p> <p>MB</p> <p>GF/GM</p> <p>DC</p> <p>GF</p> <p>KM</p> <p>GF</p> <p>AD</p> <p>GF</p>
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	discuss possible impacts with the Kedron Community Relations Team may prove beneficial.	
7.0	<p>GENERAL BUSINESS</p> <p>A CLG member requested that a copy of the Coordinator General's Project conditions be distributed so that new members are able to review the document. The Facilitator agreed that a link to the report could be included in the meeting minutes</p> <p>Coordinator General's <i>Change Report (May 2008)</i> - http://www.dip.qld.gov.au/resources/project/aiport-link-tunnel/airport-link-change-report1.pdf Coordinator General's <i>Change Report (May 2008) Appendix 1 Conditions</i> - http://www.dip.qld.gov.au/resources/project/aiport-link-tunnel/appendix-1-change-report-airport-link.pdf</p> <p>A CLG member asked if the presentation made by CNI at the May or June meeting in 2009 could be distributed to members. CNI advised that this presentation could be redistributed.</p> <p>ACTION: Distribute the presentation about Project roles and responsibility to CLG members.</p> <p>A CLG member thanked TJH for rectifying the parking issue at Leckie Road when advised of the issue by a community member.</p> <p>A CLG member advised the group that a community member had requested Park Terrace to remain closed permanently and the permanent noise wall be extended. This is because vehicles park on either side of the road and the area has a history of rat running. CNI advised that this issue has been raised previously and that the decision of how Park Terrace will operate in the future will be determined by the Department of Transport and Main Roads and Brisbane City Council. The road authorities have previously advised that Park Terrace will reopen and that it will be monitored.</p> <p>TJH advised that the Group may be able to raise this issue if DTMR and BCC attend a CLG meeting.</p> <p>A CLG member advised that there was concern that a coffee shop at Park Terrace, as suggested in CNI consultation material would attract traffic including restricted access, parking issues etc and suggested that the area be kept residential with commercial activities remaining on the western side of Gympie Road. CNI advised that this feedback would be included in the consultation report and that concept design presented in the consultation material was of an area owned outright. All developments will be subject to Brisbane City Council Development Approvals as outlined in the consultation material.</p> <p>A CLG member asked what the exact operating volume of the pile driver located at Bradshaw Street on Wednesday 9 June 2010 was. TJH advised that noise levels were not monitored next to the machine on that date and advised that the noise levels apply to internal goals; however, it would investigate the specifications.</p>	<p>ER BS</p> <p>ER LL</p> <p>CNI/BS</p> <p>ER</p> <p>ER LL</p> <p>GF</p> <p>ER LL</p> <p>KM TL</p>

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	<p>ACTION: Advise the outcome of its investigation into the machine's noise level if detailed in the machines specifications.</p> <p>TJH advised that the noise levels recorded at Erskine Avenue reflect piling activities and that a number of different elements can affect noise levels including wind speed and moisture. An example of 100dba would be equivalent to standing on a runway while 747 airplane was taking off.</p> <p>A CLG member thanked TJH for rectifying the lights at the Gympie Road / Stafford Road intersection.</p> <p>A CLG member requested attention be directed to rectify:</p> <ul style="list-style-type: none"> • Kerbing has been destroyed by services work at the corner property on the southeast corner of Suez and Swan Streets • Rose Lane patched from services work • Condition of Swan Street, area recently re-surfaced may be deteriorating and become uneven • Footpath on the southwest corner of Swan Street and Goulburn Street– GF – advised it is an issue with drainage between Telstra, Energen and BCC. <p>ACTION: Advise the outcome at next meeting</p> <p>A CLG member advised that sand had been placed on the nature strip at 2 Jack Street and that this has created drainage issues to this property.</p> <p>ACTION: Investigate the area and issue advised.</p> <p>A CLG member thanked TJH for rectifying issues at the Gympie Road / Stafford Road intersection, the timing issues have been resolved.</p> <p>A CLG member advised that the asphaltting work done at Brookfield Road had improved pedestrian access however, there is still concern approximately 10metres from the intersection where it becomes slippery. The member advised that the traffic controllers are very helpful however; it is difficult to cross if the site is closed and the controllers are not there to assist. The member is aware of one slip incident occurring at this location.</p> <p>ACTION: Investigate the area and issue advised.</p> <p>A CLG member advised that there is currently a sign located on the southeast corner of the Clarence and Brookfield Road intersection which is creating a blind spot for pedestrians when they are attempting to cross the road.</p> <p>TJH confirmed that it understood the location and that it would investigation and rectify the problem.</p> <p>ACTION: Investigate the area and issue advised.</p> <p>A CLG member asked why the notice period for the closing of Norman Avenue was less than two weeks. The member is concerned that residents may not be home during this period due</p>	<p>KF</p> <p>KM</p> <p>KM</p> <p>KM</p> <p>DC</p> <p>DC</p> <p>DC</p> <p>GF</p> <p>ML</p>
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CLG	Kedron Community Liaison Group				
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	<p>to travel etc. TJH advised that people generally don't retain the information if notice is provided more than two weeks prior to the activity or in this case the closure occurring.</p>	GF
	<p>A CLG member stated that Cr King was not advised of the change prior to notice. TJH advised that Brisbane City Council was aware of the closure prior to distribution of the notification and that BCC has its own internal processes in place to communicate changes to its road network.</p>	MB GF
	<p>A CLG member advised that there was currently an issue with the road surface along Lamington Avenue due to an increase in traffic as a result of the Norman Avenue closure. TJH advised that the road is owned and operated by BCC and the member should notify BCC of the issue.</p>	ML GF
	<p>A CLG member tabled photos of an area near Colton Avenue where sewer work had occurred and requested the status of revegetation for this area. TJH advised that it is aware of the community concern for this area and that it is continuing to pursue the issue with the property owner, Department of Transport and Main Roads.</p>	ML GF
	<p>TJH is not authorized to put things back in the Kedron Brook and DTMR approval is essential.</p>	
	<p>A CLG member asked if the article printed in the Sunday Mail on 11 July 2010 which indicated that additional properties had been resumed meant that in some cases property mitigation was not being effective. CNI advised that in some cases property mitigation was not sufficient. This is assessed on a case by case basis and includes consideration for personal circumstances, such as illness.</p>	AD LD
	<p>A CLG member asked if the impacts of the project had been underestimated. CNI disagreed.</p>	AD LL
	<p>A CLG member asked if counseling is available for residents and if this information could be provided. CNI advised that counseling is available and that information about how to receive counseling would be provided.</p>	AD LL
	<p>ACTION: Provide information for counseling services.</p>	
	<p>The Community Liaison Group agreed to confirm the date of the August meeting via email as the scheduled date coincides with a public holiday.</p>	NOTE
	<p>ACTION: The Facilitator to issue email to the group to determine the August meeting date.</p>	

Next Meeting: **Monday 9 August 2010**

Location: Visitor Information Centre, Lutwyche

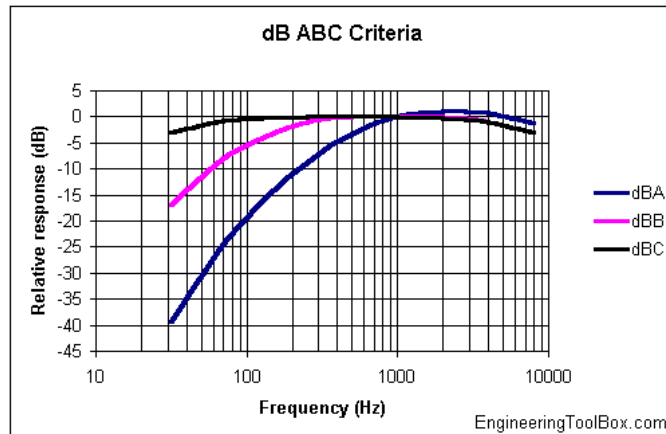
Date: 14 July 2010

Time: 6:30pm

APPENDIX A

Logarithmic information for
Kedron Community Liaison Group
Meeting No 21, 14 July 2010

A-weighted is a logarithmic scale in decibels that represents the response time of the human ear to sound. Hence dB(A). It represented by the following graph (also includes C and B weightings not commonly used):



A logarithmic scale is used to denote the intensity, or pressure level, of a sound relative to the threshold of human hearing.

The quietest sound we can hear is 0 dB; a soft whisper has about 100 times more sound energy and so is about 20 dB. A power lawn-mower has a factor of 10^9 more sound energy and is about 90 dB. A rock band may be as high as 110 dB. Above 120 dB the sound produces discomfort and even pain. The scale is often adjusted to take account of the reduced sensitivity of human hearing to high and low frequencies and is then specified as dB(A). On this adjusted scale (the A-weighted scale), the range of human hearing is about 3 to 140 dB(A).

A logarithmic average is used because the scale is a logarithmic scale and the L_{Aeq} is recorded as a logarithmic average. A normal average cannot be used in this situation

Noise from different sources can be measured or described in different ways. There are alternative ways to measure or describe even the same type of noise source.

In most cases, the sounds and noises we hear are not steady. Apart from variation in tones, the magnitude or the sound pressure level of a sound or noise changes with time.

The n-percent exceeded level, L_n , is the sound pressure level exceeded for n percent of the time.

In other words, for n percent of the time, the fluctuating sound pressure levels are higher than the L_n level. L_n can be obtained by analysing a given noise by statistical means.

The commonly used value of n for the n-percent exceeded level, L_n , are 10, eq, max and 90.

L_{10} is the level exceeded for 10% of the time. For 10% of the time, the sound or noise has a sound pressure level above L_{10} . For the rest of the time, the sound or noise has a sound pressure level at or below L_{10} . These higher sound pressure levels are probably due to sporadic or intermittent events.

L_{90} is the level exceeded for 90% of the time. For 90% of the time, the noise level is above this level. It is generally considered to be representing the background or ambient level of a noise environment.

L_{eq} is the constant noise level which, under a given situation and time period, contains the same acoustic energy as the actual time-varying noise level. As L_{eq} measures the energy content of a noise over a period of time, noise with different characteristics, such as fluctuating (e.g. from traffic) or impulsive noise (e.g. from hammering) give the same L_{eq} Level. When noise or sound is measured in dB(A), it is customary to denote the equivalent continuous sound pressure level as L_{Aeq} . In simple terms the Equivalent Sound Level (" L_{eq} ") is a logarithmic *average* of noise levels due to all sources of noise (for example, rock hammering, traffic, and ambient level in the absence of those sources) in a given area over a stated period of time.