

# MINUTES OF MEETING

Meeting Number 16

CLG	Toombul Community Liaison Group				
Location:	Centro Toombul Training Room	Date:	9 February 10	Time:	6:00pm

<b>Chaired By: Pauline Bourke</b>	<b>Minuted by: Rebecca Lenan</b>	<b>Distribution Date: 26 February 2010</b>
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Item	Action
1.0	<p><b>Meeting opened</b></p> <ul style="list-style-type: none"> <li>• Apologies</li> </ul>
2.0	<p><b>Last month action items</b></p> <ul style="list-style-type: none"> <li>• The CLG was asked for feedback on the possibility of additional CLG members. A request has been received from a community member. The terms of reference allow for up to 10 members and if the current members do not have any issues with this, a notice can be put out to the community asking for expressions of interest. <ul style="list-style-type: none"> <li>○ CLG member believes it's a good idea and maintains the request has come from a worthy community member.</li> <li>○ TJH advised that there are some areas of the community not yet represented by the CLG, such as those areas east of Sandgate Road.</li> <li>○ CLG member stated that the new members must add value to group in terms of representing a section of the community.</li> <li>○ As there are no objections, PB will discuss with TJH upcoming opportunities to notify the community,</li> </ul> </li> <li>• Letter received from CNI in response to the letter to the Coordinator General's office previously tabled by the CLG. <ul style="list-style-type: none"> <li>○ CNI advised that the letter had actually gone out on 23 December but had been incorrectly addressed.</li> <li>○ CNI advised that the response to the CLG's letter has involved a discussion and review of TJH's program of work, communications process, and community impact.</li> <li>○ CNI advised they have submitted a detailed report to CoG on the impacts of night work on the community. CNI await feedback from the CoG and anticipate being able to discuss this further with the CLG at the next meeting. It is unlikely that CLG members will see the report in its entirety as it contains personal details of individual residents.</li> <li>○ CLG member stated that he believes that noise should be controlled enough on site that it shouldn't have to come down to TJH providing individuals with property mitigation. CLG member believes that TJH's ability to work 24/7 has come down to a loophole or interpretation of the CoG conditions. States that during the EIS the community were advised that 24/7 work would not occur.</li> <li>○ CNI advised that they have reviewed TJH's community consultation and complaint management. Advised that the goals for the project are specific to internal monitoring, which makes the process of monitoring noise complaints more difficult. Some actions have been taken to reduce impacts and these have been successful.</li> </ul> </li> <li>• CLG member queried how far along is the excavation of the launch box. <ul style="list-style-type: none"> <li>○ TJH advised that excavation is approximately 80% complete and the focus is now on constructing the base slab. Prop installation is effectively complete with the exception of a few to go near the railway line. The excavation is working from west to east with the base slab being constructed behind it.</li> </ul> </li> <li>• CLG member queried how long TJH took off over Christmas. <ul style="list-style-type: none"> <li>○ TJH advised from 24 December 2009 to 4 January 2010.</li> </ul> </li> <li>• CLG member stated that going by the community notification distributed prior to Christmas, which stated that excavation was only 40% complete, TJH cannot possibly make the program date for the TBM launch. <ul style="list-style-type: none"> <li>○ TJH advised that excavation is around 2-3 weeks behind where TJH would like to be. It is likely the first TBM will be launched in June. TJH is currently focusing on construction of the TBM launch box and TBM shed.</li> </ul> </li> <li>• CLG member asked when TJH will be able to confirm that the TBM is on track for its launch. Are there any critical paths for this?</li> </ul>

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	<ul style="list-style-type: none"> <li>○ TJH advised that there are several critical paths for this, including construction of the base slab. Many things have the potential to interrupt the program.</li> <li>• CLG member queried whether the broader program aim is to achieve the project on time or before time in order to make a profit? <ul style="list-style-type: none"> <li>○ BrisConnections advised that the work being done is being done only to ensure that the project is complete on time. Advised that at this stage it's very unlikely that the project will be completed early. This project is not in a situation like that of the Clem 7, where they were able to finish 6 months early.</li> </ul> </li> <li>• CLG member stated that the main argument seems to be whether or not TJH are making excessive noise.</li> <li>• CLG member stated that there have been noise exceedences.</li> <li>• CLG member queried how many noise exceedences must be made to be considered excessive? <ul style="list-style-type: none"> <li>○ CNI advised that the goals set in the CoG conditions are not necessarily limits so it's difficult to answer. States that TJH is actively working towards meeting the goals. Two vacant properties on Kalinga Street have internal monitoring on a frequent basis to enable TJH to work toward the goals. CNI view this noise monitoring in order to get a measure of compliance or consistency with the goals. The properties are not necessarily representative of all residences, but they are unmitigated properties. The monitoring data collected is available on the BrisConnections website.</li> <li>○ CNI advised that an extensive review of TJH's monitoring and mitigation has been undertaken and recommendations have been made about improvements in measuring and monitoring.</li> <li>○ CNI advised that a number of other conditions have to be considered with regard to how TJH are complying with the goals. Independent monitoring has been undertaken and has been used in an analysis and investigation in addition to the data provided by TJH. CNI have undertaken several site visits. The process of communication and culture has been reviewed. CNI will recommend that training in cultural management is progressed so that the wider workforce is further educated. Once the CoG confirms that he is satisfied with the content of the recommendations made, CNI will sit with TJH to discuss the recommendations in more detail.</li> </ul> </li> <li>• CLG member stated that there are a number of different monitoring methods available and queries whether these are being pursued. Believes that the CoG appears to be helping TJH rather than the community. Believes that there should be permanent monitoring. <ul style="list-style-type: none"> <li>○ CNI advised that one of the recommendations in the report will be permanent monitoring. However, there are a number of challenges in terms of finding a location that is representative of conditions and that takes into account other noise sources in the area such as trains, planes etc.</li> </ul> </li> <li>• CLG member commented that it seems too late for the project to be considering these things it has already been underway for approximately 18 months. There are more and more people complaining about interrupted sleep. Feels that a duty of care is being ignored by CNI, TJH and the CoG.</li> <li>• CLG member commented that there are compounding factors including the R rating for monitoring and noise goals being for internal, behind closed windows. Believes the conditions are not stacked in a way to help the community, but rather to help the construction company. The community feels misled and at some point there needs to be a point where somebody steps in between the contractor and the community. The community feels that CNI has been implemented as a barrier between the community and the agencies it represents. <ul style="list-style-type: none"> <li>○ CNI advised that they are set up to manage the contract not as a barrier. CNI are managing compliance with the CoG's conditions. DERM looks after the legislation and this is not something that CNI would interfere with.</li> </ul> </li> <li>• CLG member confirmed that the community approached TJH and requested that TJH look at the 24/7 work and see if a few nights of work could be given back to the community.</li> </ul>

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	<ul style="list-style-type: none"> <li>• PB advised the CoG response letter will be scanned and emailed out to the CLG. PA to also send an email to CNI and CoG confirming acceptance of letter and advising that because it's late haven't had a chance to look through property. PB to request a copy of the report in advance of the next meeting. CNI environment representative to attend the next meeting to answer questions regarding the report.</li> <li>• CLG member commented that he believes TJH finished early the day before Christmas. CLG member maintains TJH went "hell for leather" the day before Christmas to finish and made as much noise as possible so the guys could go home half a day earlier.</li> </ul>
3.0	<p><b>Urban design overview</b></p> <p>TJH provided overview of urban design at Toombul including landscaping, pathways &amp; flood mitigation.</p> <p><b>Questions:</b></p> <ul style="list-style-type: none"> <li>• CLG member enquired whether there will be a bridge at the end of Elliott Street leading through to parkland? <ul style="list-style-type: none"> <li>○ TJH advised that there will be a land bridge</li> </ul> </li> <li>• CLG member queried where the ventilation station outlet will be and who is responsible for how it will look. <ul style="list-style-type: none"> <li>○ TJH advised TJH are responsible for its appearance.</li> <li>○ BrisConnections advised it's the same configuration as at the time of the bid.</li> </ul> </li> <li>• CLG member queried whether the designers are working to a height of 25 metres. <ul style="list-style-type: none"> <li>○ TJH advised the current design stands at 23.5m. The outlet will be metal clad and there will be fibre optic lighting and a change of texture across the ellipse.</li> </ul> </li> <li>• CLG member asked how high the steel shed in Kalinga Park is. <ul style="list-style-type: none"> <li>○ TJH advised it's approximately 28m</li> <li>○ BrisConnections advised that the design of the VSO was one of key things in the original CoG conditions as he was looking for a more sensitive design for the community. This was a key change of the BrisConnections design.</li> </ul> </li> <li>• CLG member queried whether the flood mitigation work is complete. <ul style="list-style-type: none"> <li>○ TJH advised there's still shaping to happen at the end.</li> <li>○ TJH advised that the design for flood mitigation is restricted to a level of 1.6m above sea level for a flood plain and reduced to taking trees out of the design and putting in low planting. The proposed pedestrian bridge between Sandgate Road and Toombul Centro has had to be taken out as a result of flood mitigation and the path has had to be moved closer to the creek. TJH is working closely with the Department of Fisheries in terms of what will be planted and what will be done along the banks of the creek. This is all done according to their guidelines.</li> </ul> </li> <li>• CLG member queried whether the flood mitigation work will improve the flooding through the area? <ul style="list-style-type: none"> <li>○ TJH advised no, the flooding situation will remain the same.</li> <li>○ TJH advised the requirement of the design is that TJH cannot make the flooding worse than what it already is.</li> </ul> </li> <li>• CLG member stated that water has been in the shopping centre during heavy rain events in the past. <ul style="list-style-type: none"> <li>○ TJH advised that the cycle/pedestrian path will not be improved in terms of flooding susceptibility as a result of the project.</li> </ul> </li> <li>• CLG member enquired what planting will be done alongside East-West Arterial Road. <ul style="list-style-type: none"> <li>○ TJH advised a selection of marine species. A list of these was provided to CLG member.</li> </ul> </li> <li>• CLG member queried what happens to the bicycle path to Centro Toombul? <ul style="list-style-type: none"> <li>○ TJH advised cyclists will go across Widdop St and along the pathway to Kalinga Park. Due to flood mitigation requirements, the pedestrian/cycle bridge originally proposed across Schulz Canal is no longer possible.</li> </ul> </li> </ul>

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	<ul style="list-style-type: none"> <li>• CLG member queried whether another bridge can be built that doesn't affect the flooding. CLG member concerned that the roadside path is not family friendly.               <ul style="list-style-type: none"> <li>◦ TJH advised this is not possible due to flood mitigation requirements.</li> </ul> </li> <li>• CLG member asked if mature trees will go back in to replace those that were removed.               <ul style="list-style-type: none"> <li>◦ TJH advised there will be a component of larger trees.</li> </ul> </li> <li>• CLG member asked if the Kalinga Park site will be decommissioned via the access road and not local streets?               <ul style="list-style-type: none"> <li>◦ TJH to provide response.</li> </ul> </li> <li>• TJH advised that with regards to Diggers Drive, a planting of trees will occur along the original alignment of the Drive and a commemorative plaque will be mounted to recognise it.</li> <li>• CLG member queried whether there is a record of all the trees that were removed.               <ul style="list-style-type: none"> <li>◦ TJH advised yes, it's part of the permit that they be surveyed and recorded.</li> <li>◦ TJH advised that the species selected for re-planting are chosen based on what's local/appropriate and according to BCC's wishes also.</li> </ul> </li> <li>• CLG member commented that natural vegetation that was there before, such as the clump of bamboo that was at the end of Elliott Street, acted as a noise barrier. The design drawings show plant beds running longitudinally rather than acting as a sound barrier against Sandgate Road and the tunnel portals.               <ul style="list-style-type: none"> <li>◦ TJH advised the plant beds run that way as part of the design for irrigation. Not sure if they would actually mitigate the noise by turning them 90 degrees.</li> </ul> </li> <li>• CLG member stated he can hear the noise from Sandgate Road a lot more now, which he believes is a result from the removal of some trees.</li> <li>• CLG member asked when initial communication/plans about the VSO will go out to the community.               <ul style="list-style-type: none"> <li>◦ TJH advised that there is currently a plan for the next community newsletter to contain information on the VSOs across the entire project alignment and then more specific information will be distributed to the community after that.</li> </ul> </li> </ul>
4.0	<p><b>Construction update – to March 10</b> TJH presented overview of current and upcoming construction activities to March 2010.</p> <p>Upcoming work activities – to March 10</p> <ul style="list-style-type: none"> <li>• Excavation and construction of TBM launch box base slab ongoing west of railway line 24/7</li> <li>• Canopy tubes under railway line ongoing 24/7</li> <li>• Diaphragm wall construction at CC430 - adjacent to Sandgate Road</li> <li>• Cut and cover CC430 construction roof construction</li> <li>• Commence construction of electrical substation on Sandgate Road</li> <li>• Commence construction of ventilation station roof</li> <li>• Bridge widening work over Schulz Canal on Sandgate Road ongoing</li> <li>• Roadwork on East-West Arterial Road from Sandgate Road to ARU, including some work at night – preparation work for traffic realignment</li> <li>• Finish bridge BR403 over Widdop Street</li> <li>• Work on Sandgate Road west and in Ross Park, associated with Sandgate Road widening.</li> </ul> <p><b>Questions:</b></p> <ul style="list-style-type: none"> <li>• CLG member enquired whether the noise barrier that has been removed along the railway line can go back up now that canopy tube installation has been moved to the other side of the rail.               <ul style="list-style-type: none"> <li>◦ TJH advised they do not think anything was removed from the western side of the rail as there was no wall on that side. TJH to look into this.</li> </ul> </li> <li>• CLG member asked when the TBM cutter head will be dropped in the launch box.               <ul style="list-style-type: none"> <li>◦ TJH advised they are aiming for May 2010.</li> </ul> </li> <li>• CLG member asked how long it will take to put together.</li> </ul>

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	<ul style="list-style-type: none"> <li>○ TJH advised about 11 weeks.</li> <li>• CLG member asked whether CNI and DERM have been involved in the noise modelling for canopy tube installation.               <ul style="list-style-type: none"> <li>○ CNI advised they have reviewed it, like they do with any other activity.</li> </ul> </li> <li>• CLG member asked how many tubes are driven through at once.               <ul style="list-style-type: none"> <li>○ TJH advised there will be three auger machines operating, not necessarily all at once – probably two out of three will be working simultaneously.</li> <li>○ TJH advised they have put ply around three sides of the canopy tube work area and shielded the machine itself to minimise noise. The vacuum has been positioned down the side of the embankment to further reduce noise impacts.</li> </ul> </li> <li>• CLG member asked whether the canopy tube installation will take three months.               <ul style="list-style-type: none"> <li>○ TJH advised the current plan is to finish at the end of April. TJH has hit a lot of obstructions, as described previously, such as the old bridge structure. Work is currently on hold whilst discussions are held with QR regarding settlement concerns. There are possible delays to the program because of these issues.</li> </ul> </li> <li>• CLG member states he understands 24/7 work when it's on the railway but he cannot understand the rest of the 24/7 work as it's not special circumstances. Feels it's because of a loophole in the conditions. Believes that there is a growing amount of evidence that canopy tubes will be a noisy activity, on top of everything else that's already happening on site.               <ul style="list-style-type: none"> <li>○ TJH advised that the noise modelling is not too bad for canopy tubes on its own, but given that it's on top of the rest of the site activities, it does add to the noise so additional mitigation needs to be considered.</li> </ul> </li> <li>• CLG member stated that some of the homes in Elliott Street are higher than the noise wall. Can another lot of shipping containers be put up or the noise wall heightened so that it is higher than the houses?               <ul style="list-style-type: none"> <li>○ TJH advised that when this has been modelled in the past and increased from 6 metres to 9 metres, it has not made a significant difference to the noise levels.</li> <li>○ TJH advised they are trying to mitigate the noise at the source, but also at the receiver where necessary.</li> </ul> </li> <li>• CLG member asked when the footpath on Sandgate Rd west will open.               <ul style="list-style-type: none"> <li>○ TJH advised a temporary roundabout will be built later this year at the Sandgate Road intersection and at this time the western footpath will open, while the eastern footpath will close. When the roundabout is removed in approximately April next year, both footpaths will open in their permanent position.</li> </ul> </li> <li>• CLG member asked what date in May TJH is working towards for the completion of the launch box?               <ul style="list-style-type: none"> <li>○ TJH advised the current program for completion of the box is around 10 May 2010.</li> </ul> </li> <li>• CLG member asked whether a program for the year ahead can be given out.               <ul style="list-style-type: none"> <li>○ TJH advised an amended version will be sent out to CLG members.</li> </ul> </li> <li>• CLG member queried whether the program is based on working 24/7.               <ul style="list-style-type: none"> <li>○ TJH advised yes, with canopy tubes, launch box and assembly of TBM as the 24/7 work. This 24/7 work will continue up to approximately July 2010. After that 24/7 will include pushing the boxes under the railway line and work associated with that.</li> </ul> </li> <li>• CLG member stated that tunnelling work will also be 24/7.               <ul style="list-style-type: none"> <li>○ TJH advised yes that's right.</li> </ul> </li> <li>• CLG member described a noise that he has been hearing from his home and asked what it is.               <ul style="list-style-type: none"> <li>○ TJH advised that if it sounded like water than it was probably water blasting within the TBM box, which was changed to a day time operation a few weeks ago as a result of community feedback.</li> </ul> </li> <li>• CLG member queried whether TJH could use a conveyor system for the launch box rather than dropping a bucket in and filling it up?               <ul style="list-style-type: none"> <li>○ TJH advised the angle doesn't allow for that and there is also different kinds of material</li> </ul> </li> </ul>

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	being excavated so is not suitable for a conveyor.
5.0	<p><b>TBM tunnelling update – to March 10 (not presented due to time constraints)</b></p> <p>Site mobilisation - February</p> <ul style="list-style-type: none"> <li>• Kalinga Park shed <ul style="list-style-type: none"> <li>○ TBM assembly crane bay complete</li> <li>○ 40T crane bays to commence 15/2</li> <li>○ Target completion of steel structure by Easter</li> <li>○ Site area filling</li> <li>○ Piling for grout plant – complete this week</li> <li>○ Concrete works for grout plant/chiller/compressors until end February</li> <li>○ Silo's installation March</li> </ul> </li> </ul> <p>Spoil/Overland conveyor</p> <ul style="list-style-type: none"> <li>• Build February/March</li> <li>• Covers to be installed after belt installation - April</li> </ul> <p>TBM update</p> <ul style="list-style-type: none"> <li>• TBM 1 <ul style="list-style-type: none"> <li>○ Cutterhead welding ongoing</li> <li>○ Tail shield welding commenced</li> <li>○ TBM assembly planned start April</li> </ul> </li> <li>• TBM 2 <ul style="list-style-type: none"> <li>○ ETD Rotterdam 10/2</li> <li>○ ETA Brisbane Port 18/3</li> <li>○ 20 Containers delivered to Eagle Farm site from 12/2</li> </ul> </li> </ul>
6.0	<p><b>Environmental monitoring update</b></p> <p>Provided monthly update on noise and air quality monitoring results (see presentation at end of minutes for results).</p> <p><b>Questions:</b></p> <ul style="list-style-type: none"> <li>• CLG member stated that he sees no point in the dust monitoring as TJH never seem to breach the limits but he still sees dust everywhere. <ul style="list-style-type: none"> <li>○ CNI advised they can only look at the conditions that the project has been asked to comply with.</li> </ul> </li> <li>• CLG member queried whether the EPA prosecutes noise exceedences over 3 decibels. <ul style="list-style-type: none"> <li>○ BrisConnections advised that they can't comment on that as the CoG goals determines what constitutes a non-compliance on this project. These goals are based on BCC's planning scheme.</li> </ul> </li> <li>• CLG member asked for acknowledgement that the noise goals cannot be met without mitigating certain properties. <ul style="list-style-type: none"> <li>○ BrisConnections confirmed that this is the case at certain properties.</li> </ul> </li> <li>• CLG member stated that TJH told the authorities that they would not create excessive noise if they went 24/7. <ul style="list-style-type: none"> <li>○ BrisConnections and TJH advised that at no point was that said when going to the agencies. A noise model and mitigation plan was taken to them.</li> </ul> </li> <li>• CLG member requested a copy of the figures from the noise modelling. Asked what the CoG is doing regarding any noise exceedences. <ul style="list-style-type: none"> <li>○ CNI advised that as the noise goals are linked to compliance with all of the other conditions such as communication processes etc the review has included these other aspects.</li> </ul> </li> <li>• CLG member queried who actually wrote the conditions.</li> </ul>

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7.0	<p><b>Community Relations overview (not presented due to time constraints)</b></p> <ul style="list-style-type: none"> <li>• Community complaints and enquiries/issues received via the project hotline and email during January 2010: <ul style="list-style-type: none"> <li>o Complaints = 78</li> <li>o Enquiries/issues = 25</li> </ul> </li> <li>• Response/actioning of complaints <ul style="list-style-type: none"> <li>Noise from Sandgate Road night work <ul style="list-style-type: none"> <li>o Temporary relocation was offered to affected residents</li> </ul> </li> <li>Night work for conveyor installation <ul style="list-style-type: none"> <li>o Temporary relocation was offered to affected residents</li> </ul> </li> <li>Worker parking issues <ul style="list-style-type: none"> <li>o Implementation of car park at Aviation High School for approximately 200 vehicles</li> <li>o Survey of residents regarding proposal to take additional land in Kalinga Park</li> </ul> </li> </ul> </li> <li>• Six notifications were distributed in Toombul in January including: <ul style="list-style-type: none"> <li>o Sandgate Road widening night work</li> <li>o Sandgate Road water installation night work</li> <li>o Sandgate Road sewer maintenance work</li> <li>o East West Arterial Road night work</li> <li>o Installation of spoil conveyor bridge over Widdop Street</li> <li>o Installation of tunnel support equipment, Kalinga Park</li> </ul> </li> <li>• Total of 2,640 flyers</li> <li>• Community relations activities during November 2009 included: <ul style="list-style-type: none"> <li>o Doorknock of Lewis Street residents regarding geotechnical work</li> <li>o Surveying of residents regarding Kalinga Park car park proposal</li> <li>o Doorknock of Alma and Sandgate Road residents regarding relocation of noise wall and construction of sub-station</li> <li>o Coffee morning in Jackson Street – Saturday 6 February (approx 18 attendees)</li> <li>o Consultation with Centro Toombul regarding closure of Widdop St during conveyor system erection <ul style="list-style-type: none"> <li>o Ongoing meetings with residents and businesses as required</li> </ul> </li> </ul> </li> <li>• Upcoming community relations activities include: <ul style="list-style-type: none"> <li>o Project update meeting with Arch Bevis MP – Federal Member for Brisbane</li> <li>o Project update meeting with Cr David McLachlan – Hamilton Ward</li> <li>o Project update meeting with Tim Nicholls MP – State Member for Clayfield</li> <li>o Coffee Morning for Elliott, Mabel Stuckey Road residents – Saturday 4 April</li> </ul> </li> </ul>
8.0	<p><b>General Business:</b></p> <ul style="list-style-type: none"> <li>• CLG member requested an updated cycle and pedestrian plan, given the removal of the proposed pedestrian/cycle bridge due to flood mitigation.</li> <li>• CLG member asked for the advertisement for new CLG members to be done ASAP.</li> <li>• CLG member noted the car parking situation is still unsatisfactory everywhere around Kalinga Park. <ul style="list-style-type: none"> <li>o TJH advised the car park at Aviation High is now open and much larger than what was proposed for Widdop St initially. TJH is utilising every possible method to encourage staff, contractors and visitors to park there. TJH has approached Cr McLachlan regarding worker parking issues and have surveyed residents in the affected streets. TJH is working with Cr McLachlan to look at alternatives such as permit parking and to get community feedback on these options.</li> </ul> </li> <li>• CLG member stated that TJH have failed to provide parking. <ul style="list-style-type: none"> <li>o TJH advised that alternatives have been provided but workers cannot be forced to use</li> </ul> </li> </ul>

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Item	Action
	<p>them. TJH can only encourage them.</p> <ul style="list-style-type: none"> <li>• CLG member requested a list of the unions involved on the project so that he can speak with them about how their members feel about not having access to parking on this project. <ul style="list-style-type: none"> <li>○ TJH advised that the main union involved in the project is the CFMEU.</li> </ul> </li> <li>• CLG member stated that he is confused regarding the dates given for finishing the launch box and the start date of tunnelling <ul style="list-style-type: none"> <li>○ TJH advised that assembly of the TBM begins as soon as the tunnelling team gains access to the front of the launch box.</li> <li>○ BrisConnections advised that Airport Link is a complex project with the need for overlapping of activities.</li> <li>○ TJH offered to take CLG member through the program in more detail (occurred after the meeting).</li> </ul> </li> <li>• CLG member stated that the excavation taking place on a Sunday does not alleviate the noise caused just because the spoil is not hauled off site. Believes this to be another loophole found in the goals.</li> </ul>
9.0	<p><b>Next meeting:</b></p> <ul style="list-style-type: none"> <li>• Next meeting: Tuesday 9 March 2010 6pm – 8pm Centro Toombul training room.</li> </ul>

BRISCONNECTIONS | airportlink northernbusway winning to last mile | ENR | JOHN HORN | Queensland Government

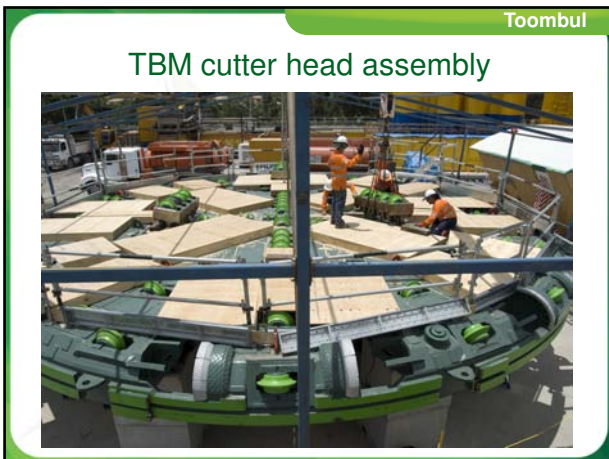
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# Construction Update

Russ Beynon

9 February 2010

smarter ways to move



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Excavation of launch box – night work



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TBM gantry crane

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Installation of canopy tubes under North Coast railway



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Installation of diaphragm walls – between railway line and Sandgate Rd

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Sandgate Road bridge decks



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East-West Arterial Road widening



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### Widdop Street bridge widening

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### Upcoming work activities – to March 10

- Excavation and construction of TBM launch box base slab ongoing west of railway line 24/7
- Canopy tubes under railway line ongoing 24/7
- Diaphragm wall construction at CC430 - adjacent to Sandgate Road
- Cut and cover CC430 construction roof construction
- Commence construction of electrical substation on Sandgate Road
- Commence construction of ventilation station roof

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### Upcoming work activities – to March 10

- Bridge widening work over Schulz Canal on Sandgate Road ongoing
- Roadwork on East-West Arterial Road from Sandgate Road to ARU, including some work at night – preparation work for traffic realignment
- Finish bridge BR403 over Widdop Street
- Work on Sandgate Road west and in Ross Park, associated with Sandgate Road widening.

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## TBM Tunnelling Update

David Hake

smarter ways to move

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### TBM Tunnelling Update

- Site mobilisation - February
  - Kalinga Park shed
    - TBM assembly crane bay complete
    - 40T crane bays to commence 15/2
    - Target completion of steel structure by Easter

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### TBM Tunnelling Update

- Site mobilisation – February
  - Site area filling
  - Piling for grout plant – complete this week
  - Concrete works for grout plant/chiller/compressors until end Feb
  - Silos installation Mar

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### TBM Tunnelling Update

- Spoil/Overland conveyor
  - Build February/March
  - Covers to be installed after belt installation - April

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### TBM Tunnelling Update

- Nudgee Road facility
  - Nudgee Road
    - Spoil shed foundation completed
    - Spoil bay concrete walls in Feb
    - Shed erection March 2010
    - Conveyor tripper installation April 2010

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### TBM Tunnelling Update

- TBM
  - TBM 1
    - Cutterhead welding ongoing
    - Tail shield welding commenced
    - TBM assembly planned start April

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### TBM Tunnelling Update

- TBM Delivery
  - TBM 2
    - ETD Rotterdam 10/2
    - ETA Brisbane Port 18/3
    - 20 Containers delivered to Eagle Farm site from 12/2







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## Environment Update

Chris Morris

9 February 2009

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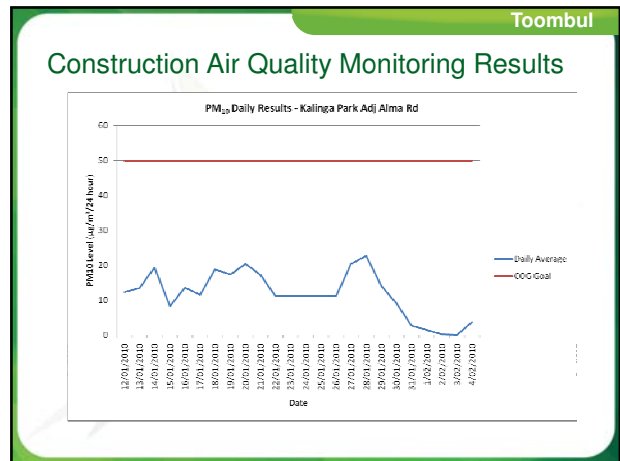
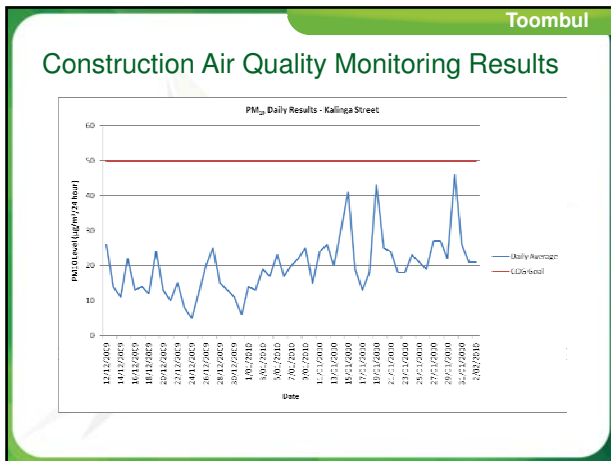
### Construction Air Quality Monitoring Locations

**PM10 Monitoring Locations:**

1. Kalinga Park Adjacent to Alma Road
2. Kalinga St

**Dust Deposition Gauges:**

1. Kalinga Street
2. Kalinga Park adjacent to Alma Road
3. Toombul Indoor Sports Complex



### Toombul

## Construction Air Quality Monitoring Results

Toombul Construction Air Quality Monitoring			
Location	Measured Air Quality TSP - g/m <sup>3</sup>	COG Goal TSP - g/m <sup>3</sup>	Monitoring Period
Kalinga Street	2.9	4	20/11/2009 – 21/12/2009
Kalinga Park Adj Alma Road	<b>6.9</b>	4	20/11/2009 – 21/12/2009
Toombul Indoor Sports – Bage Street	1.1	4	20/11/2009 – 21/12/2009

Kalinga Park adjacent Alma Road gauge is located within 5m of construction activities and within the 6m Noise Wall.

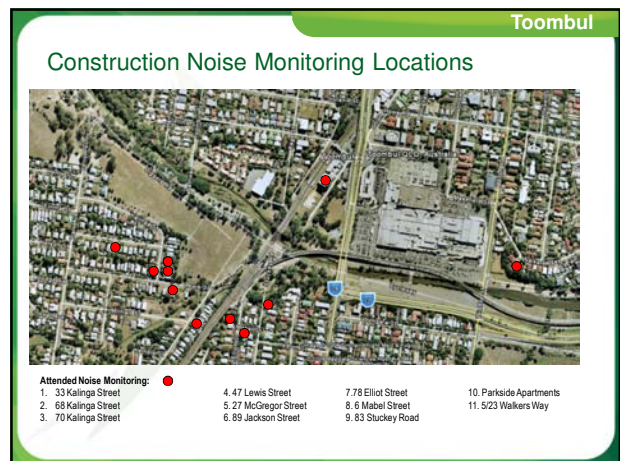
Approval is being sought from DMR to use the backyard of 916 Sandgate.



### Toombul

## Construction Air Quality Monitoring Results

Toombul Construction Air Quality Monitoring			
Location	Measured Air Quality TSP - g/m <sup>3</sup>	COG Goal TSP - g/m <sup>3</sup>	Monitoring Period
Kalinga Street	1.4	4	21/12/2009 – 20/01/2010
Kalinga Park Adj Alma Road	1.5	4	21/12/2009 – 20/01/2010
Toombul Indoor Sports – Bage Street	1.1	4	21/12/2009 – 20/01/2010



Toombul							
Daytime Construction Noise Monitoring Results							
Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
70 Kalinga Street	37.6	45	36.0	55	9/12/2009 12:40-12:54pm	Internal, Attended	Monitoring indicates COG goals are being met.
	44.9	45	37.0	55	9/12/2009 12:59-1:13pm	Internal, Attended	
	38.6	45	38.6	55	9/12/2009 3:50-4:04pm	Internal, Attended	
70 Kalinga Street	42.8	45	42.8	55	14/12/2009 9:57-10:11am	Internal, Attended	Monitoring indicates COG goals are being met.
	34.2	45	34.8	55	14/12/2009 2:59-3:15pm	Internal, Attended	

Toombul							
Daytime Construction Noise Monitoring Results							
Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
70 Kalinga Street	37.0	45	36.4	55	14/12/2009 10:44-10:58am	Internal, Attended	Monitoring indicates COG goals are being met.
	36.5	45	38.5	55	14/12/2009 11:06-11:20am	Internal, Attended	
70 Kalinga Street	44.0	45	43.0	55	18/12/2009 2:18-2:28pm	Internal, Attended	Monitoring indicates COG goals are being met.
	33.1	45	33.6	55	18/12/2009 2:34-2:48pm	Internal, Attended	
70 Kalinga Street	38.5	45	39.0	55	5/01/2010 9:11-9:25am	Internal, Attended	Monitoring indicates COG goals are being met.
	37.4	45	38.4	55	5/01/2010 1:09-1:23pm	Internal, Attended	
	39.0	45	39.0	55	5/01/2010 1:29-1:43pm	Internal, Attended	
	39.0	45	37.8	55	5/01/2010 3:22-3:36pm	Internal, Attended	

Toombul							
Daytime Construction Noise Monitoring Results							
Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
70 Kalinga Street	33.0	45	34.0	55	15/01/2010 8:50-9:04am	Internal, Attended	Monitoring indicates COG goals are being met.
	33.2	45	34.1	55	15/01/2010 10:45-10:59am	Internal, Attended	
	38.1	45	36.4	55	15/01/2010 11:45-11:59am	Internal, Attended	
	34.4	45	35.1	55	15/01/2010 3:28-3:42pm	Internal, Attended	
70 Kalinga Street	40.4	45	40.9	55	25/01/2010 2:06-2:20pm	Internal, Attended - Window Open	Monitoring indicates COG goals are being met.
	32.0	45	33.0	55	25/01/2010 2:25-2:39pm	Internal, Attended - Window Closed	

Toombul							
Daytime Construction Noise Monitoring Results							
Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
70 Kalinga Street	42.3	45	41.4	55	4/2/2010 10:19-10:33am	Internal, Attended - Window Open	Monitoring indicates COG goals are being met.
	43.5	45	30.6	55	4/2/2010 10:37-10:51am	Internal, Attended - Window Closed	
	43.2	45	45.1	55	4/2/2010 2:45-2:59pm	Internal, Attended - Window Open	
	33.5	45	36.5	55	4/2/2010 3:02-3:16pm	Internal, Attended - Window Closed	

Toombul							
Daytime Construction Noise Monitoring Results							
Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
33 Kalinga Street	44.2	45	44.7	55	17/12/2009 11:24-11:38am	Internal, Attended	Monitoring indicates COG goals are being met.
	41.8	45	42.6	55	17/12/2009 11:43-11:57am	Internal, Attended	
	41.6	45	42.6	55	17/12/2009 3:18-3:32pm	Internal, Attended	
	43.6	45	42.3	55	17/12/2009 3:37-3:51pm	Internal, Attended	
33 Kalinga Street	43.92	45	44.48	55	9/01/2010 8:24-8:38am	Internal, Attended	Monitoring indicates COG goals are being met.
	41.13	45	41.84	55	9/01/2010 11:00-11:14am	Internal, Attended	

Toombul							
Daytime Construction Noise Monitoring Results							
Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
33 Kalinga Street	45.92	45	41.85	55	9/01/2010 11:17-11:31am	Internal, Attended	Exceedance due to non-TJH activities
	43.17	45	43.34	55	9/01/2010 1:47-2:01pm	Internal, Attended	Monitoring indicates COG goals are being met.
33 Kalinga Street	39.8	45	40.5	55	12/1/2010	Internal, Attended	Monitoring indicates COG goals are being met.
33 Kalinga Street	43.1	45	43.0	55	13/01/2010 8:22-8:36am	Internal, Attended	Monitoring indicates COG goals are being met.
	41.8	45	40.4	55	13/01/2010 2:56-3:10pm	Internal, Attended	
33 Kalinga Street	40.8	45	40.8	55	20/1/2010 8:50-9:04am	Internal, Attended	Monitoring indicates COG goals are being met.
	39.5	45	40.2	55	20/1/2010 10:45-10:59am	Internal, Attended	
	41.6	45	42.5	55	20/1/2010 3:19-3:33pm	Internal, Attended	
	40.5	45	41.3	55	20/1/2010 4:27-4:41pm	Internal, Attended	

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### Daytime Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
89 Jackson Street	40.7	45	40.9	55	14/01/2010 9:36-9:50am	Internal, Attended	Monitoring indicates COG goals are being met.
	40.8	45	41.1	55	14/01/2010 9:53-10:07am	Internal, Attended	
	40.2	45	40.7	55	14/01/2010 1:45-1:59pm	Internal, Attended	
	39.6	45	40.2	55	14/01/2010 2:03-2:17pm	Internal, Attended	

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### Daytime Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
Parkside Apartments	41.4	45	41.83	55	15/12/2009 10:29-10:43am	Internal, Attended	Monitoring indicates COG goals are being met.
	41.4	45	41.96	55	15/12/2009 10:47-11:02am	Internal, Attended	
	41.8	45	42.32	55	15/12/2009 3:02-3:16pm	Internal, Attended	
	42.2	45	42.71	55	15/12/2009 3:22-3:36pm	Internal, Attended	

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### Daytime Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
Parkside Apartments	45.2	45	46.03	55	27/1/2010 11:38-11:52am	Internal, Attended - Door closed	Exceedance due to non-TJH activities (Sandgate Road)
	52.9	45	53.92	55	27/1/2010 11:56-12:10pm	Internal, Attended - Door open	
	44.8	45	45.19	55	27/1/2010 2:32-2:46pm	Internal, Attended - Door closed	Monitoring indicates COG goals are being met.
	53.0	45	53.42	55	27/1/2010 2:49-3:03pm	Internal, Attended - Door open	Exceedance due to non-TJH activities (Sandgate Road - no TJH activities heard)

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### Daytime Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
5/23 Walkers Way	46.8	45	47.2	55	18/1/2010 7:35-7:49am	Internal, Attended - Door open	Exceedance due to TJH and non-TJH related activities
	41.3	45	39.1	55	18/1/2010 7:52-8:07am	Internal, Attended - Door closed	Monitoring indicates COG goals are being met.
	46.9	45	47.3	55	18/1/2010 2:04-2:19pm	Internal, Attended - Door open	Exceedance due to TJH and non-TJH related activities
	42.7	45	41.5	55	18/1/2010 2:22-2:36pm	Internal, Attended - Door closed	Monitoring indicates COG goals are being met.

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### Daytime Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
83 Stuckey Road	39.1	45	40.0	55	18/1/2010 10:01-10:15am	Internal, Attended	Monitoring indicates COG goals are being met.
	40.0	45	41.5	55	18/1/2010 10:18-10:32am	Internal, Attended	Monitoring indicates COG goals are being met.
	39.0	45	39.7	55	18/1/2010 3:03-3:17pm	Internal, Attended	Monitoring indicates COG goals are being met.
	41.0	45	41.5	55	18/1/2010 3:20-3:34pm	Internal, Attended	Monitoring indicates COG goals are being met.

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### Daytime Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LA10	LA10			
78 Elliot Street	48.9	45	46.3	55	28/1/2010 9:09-9:23am	Internal, Attended - Doors and Windows Open	Exceedances were due to non-TJH activities (Train, Internal Noises)
	45.2	45	43.7	55	28/1/2010 9:28-9:42am	Internal, Attended - Doors and Windows Closed	

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
33 Kalinga Street	31.1	40	40.7	50	18/01/2010 9:46pm-10:00pm	Internal, Attended	Monitoring indicates COG goals are being met.
	30	40	36.6	50	19/01/2010 1:34am-1:48am	Internal, Attended	
33 Kalinga Street	33.7	40	58.7	50	19/01/2010 8:25pm-8:39pm	Internal, Attended	Exceedance due to non-TJH related activities (Dog Barking)
	32.3	40	46.8	50	20/01/2010 12:40am-12:54am	Internal, Attended	Monitoring indicates COG goals are being met.
33 Kalinga Street	33.5	40	41.1	50	20/01/2010 8:38pm-8:52pm	Internal, Attended	Monitoring indicates COG goals are being met.
	32.8	40	38.1	50	21/01/2010 12:19am-12:33am	Internal, Attended	

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
33 Kalinga Street	31.5	40	46.4	50	21/01/2010 10:07pm-10:21pm	Internal, Attended	Monitoring indicates COG goals are being met.
33 Kalinga Street	47.4	40	53.9	50	22/01/2010 11:59pm-12:13am	Internal, Attended - Windows Open	Exceedance due to TJH related activities (Bob Cat)
	36.7	40	42.2	50	23/01/2010 12:17am-12:31am	Internal, Attended - Windows Closed	Monitoring indicates COG goals are being met.
33 Kalinga Street	35.8	40	43.4	50	23/01/2010 9:21pm-9:35pm	Internal, Attended - Windows Closed	Monitoring indicates COG goals are being met.
	45.9	40	53.9	50	23/01/2010 9:39pm-9:53pm	Internal, Attended - Windows Open	Exceedance due to TJH related activities (BOOM Crane, Banging)

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
33 Kalinga Street	36.7	40	46	50	25/01/2010 8:03pm-8:17pm	Internal, Attended - Windows Closed	Monitoring indicates COG goals are being met.
	44.2	40	57.5	50	25/01/2010 8:20pm-8:34pm	Internal, Attended - Windows Open	Exceedance due to a combination of non-TJH and TJH related activities (Dog Barking, BOOM Crane)
33 Kalinga Street	42.7	40	55.5	50	28/01/2010 8:21 - 8:35pm	Internal, Attended - Windows Open	Exceedance due to TJH related activities (Spoil Loading)
	34.1	40	49.7	50	28/01/2010 8:39 - 8:53pm	Internal, Attended - Windows Closed	Monitoring indicates COG goals are being met.

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
33 Kalinga Street	41.1	40	66	50	29/01/2010 7:55-8:09pm	Internal, Attended - Windows Open	Exceedance due to TJH related activities (Spoil Loading)
	33.5	40	40.8	50	29/01/2010 8:13-8:27pm	Internal, Attended - Windows Closed	Monitoring indicates COG goals are being met.
33 Kalinga Street	31.8	40	44.2	50	31/01/2010 1:30am-1:44am	Internal, Attended - Windows Closed	Monitoring indicates COG goals are being met.
	41.4	40	49	50	31/01/2010 1:47am-2:01am	Internal, Attended - Windows Open	Exceedance due to TJH related activities (Plant Activities)

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
33 Kalinga Street	36.4	40	55.8	50	1/02/2010 12:12am-12:26am	Internal, Attended - Windows Open	Exceedance due to non-TJH related activities (House Creaking)
	42.8	40	55.4	50	1/02/2010 12:29am-12:43am	Internal, Attended - Windows Closed	Exceedance due to TJH related activities (Bell Skip)
33 Kalinga Street	31.8	40	48.2	50	2/02/2010 12:54am-1:08am	Internal, Attended - Windows Open	Monitoring indicates COG goals are being met.
	41.2	40	47.7	50	2/02/2010 1:18am-1:32am	Internal, Attended - Windows Closed	Exceedance due to TJH related activities (Excavators, Loaders)

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
33 Kalinga Street	35	40	60	50	2/02/2010 9:11pm-9:25pm	Internal, Attended - Windows Closed	Exceedance due to non-TJH related activities (Dog Barking)
	42.8	40	53.1	50	2/02/2010 9:28pm-9:42pm	Internal, Attended - Windows Open	Exceedance due to non-TJH related activities (Train)
33 Kalinga Street	34.3	40	42.2	50	4/02/2010 1:17am-1:31am	Internal, Attended - Windows Closed	Monitoring indicates COG goals are being met.
	43.8	40	52.7	50	4/02/2010 1:34am-1:48am	Internal, Attended - Windows Open	Exceedance due to TJH related activities (Banging, Plant Operations)

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
33 Kalinga Street	32.3	40	44.6	50	4/02/2010 7:46pm - 8:00pm	Internal, Attended - Windows Closed	Monitoring indicates COG goals are being met.
	43.9	40	56.1	50	4/02/2010 8:06pm - 8:20pm	Internal, Attended - Windows Open	Exceedance due to TJH related activities (Crane, Generator)

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	30.7	40	43.8	50	11/12/2009 8:15-9:30pm	Internal, Attended	Monitoring indicates COG goals are being met.
70 Kalinga Street	27.7	40	37.7	50	17/12/2009 9:05-9:20pm	Internal, Attended	Monitoring indicates COG goals are being met.
	26.4	40	32.6	50	17/12/2009 11:23-11:37pm	Internal, Attended	
70 Kalinga Street	31.2	40	46.2	50	18/12/2009 7:22-7:39	Internal, Attended	Monitoring indicates COG goals are being met.
	30.0	40	37.5	50	19/12/2009 12:59-1:13	Internal, Attended	

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	32.3	40	38	50	4/01/2010 10:05pm-10:19pm	Internal, Attended	Monitoring indicates COG goals are being met.
	35.4	40	39	50	5/01/2010 12:35am-12:49am	Internal, Attended	
70 Kalinga Street	29.4	40	33.9	50	5/01/2010 9:19pm-9:33pm	Internal, Attended	Monitoring indicates COG goals are being met.
	28.2	40	44.2	50	5/01/2010 11:28pm-11:42pm	Internal, Attended	
70 Kalinga Street	31.7	40	38	50	6/01/2010 7:32pm-7:46pm	Internal, Attended	Monitoring indicates COG goals are being met.
	28.7	40	34.6	50	7/01/2010 2:11am-2:25am	Internal, Attended	

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	32.2	40	39.6	50	7/01/2010 9:38pm-9:52pm	Internal, Attended	Monitoring indicates COG goals are being met.
	31.1	40	34.8	50	8/01/2010 11:00am-1:54am	Internal, Attended	
70 Kalinga Street	34.4	40	35.3	50	8/01/2010 8:15pm-8:29pm	Internal, Attended	Monitoring indicates COG goals are being met.
	31.6	40	43.7	50	9/01/2010 12:01am-12:15am	Internal, Attended	
70 Kalinga Street	26.6	40	35.5	50	9/01/2010 7:17pm-7:31pm	Internal, Attended	Monitoring indicates COG goals are being met.
70 Kalinga Street	33.2	40	35.9	50	10/01/2010 7:38pm-7:52pm	Internal, Attended	Monitoring indicates COG goals are being met.

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	25.1	40	31.8	50	11/01/2010 9:31pm-9:45pm	Internal, Attended	Monitoring indicates COG goals are being met.
70 Kalinga Street	27.3	40	43.3	50	12/01/2010 8:53pm-9:07pm	Internal, Attended	Monitoring indicates COG goals are being met.
	23.4	40	32.2	50	13/01/2010 2:21am-2:35am	Internal, Attended	
70 Kalinga Street	29.7	40	41.2	50	13/01/2010 7:54pm-8:08pm	Internal, Attended	Monitoring indicates COG goals are being met.
70 Kalinga Street	28.9	40	43.7	50	15/01/2010 12:07-12:21am	Internal, Attended	Monitoring indicates COG goals are being met.

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	33.7	40	46.1	50	15/01/2010 8:24-8:38pm	Internal, Attended	Monitoring indicates COG goals are being met.
70 Kalinga Street	27	40	42.2	50	16/01/2010 9:57pm-10:11pm	Internal, Attended	Monitoring indicates COG goals are being met.
	28.9	40	39.4	50	17/01/2010 3:05am-3:19am	Internal, Attended	
70 Kalinga Street	29.8	40	38	50	18/01/2010 8:05pm-8:19pm	Internal, Attended	Monitoring indicates COG goals are being met.
	29.4	40	41.4	50	18/01/2010 11:18pm-11:32pm	Internal, Attended	

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	30	40	38.3	50	19/01/2010 11:10pm-11:24pm	Internal, Attended	Monitoring indicates COG goals are being met.
	29.1	40	43.5	50	20/01/2010 3:12am-3:26am	Internal, Attended	
70 Kalinga Street	28	40	41.6	50	20/01/2010 11:04pm-11:18pm	Internal, Attended	Monitoring indicates COG goals are being met.
	32.6	40	37.3	50	21/01/2010 1:32am-1:46am	Internal, Attended	
70 Kalinga Street	31.8	40	43.9	50	21/01/2010 20:07-20:21pm	Internal, Attended	Monitoring indicates COG goals are being met.
	36	40	56.9	50	22/01/2010 0:11-0:25am	Internal, Attended	

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	43.2	40	49.7	50	22/01/2010 20:30-20:44pm	Internal, Attended- Windows Open	Exceedance due to TJH activities (Excavator 'Kicking' Bucket).
	33.9	40	41.9	50	22/01/2010 20:47-21:01pm	Internal, Attended- Windows Closed	
70 Kalinga Street	40.4	40	52.3	50	24/01/2010 2:04am-2:18am	Internal, Attended- Windows Open	Monitoring indicates COG goals are being met.
	32.3	40	44.1	50	24/01/2010 9:42pm-9:56pm	Internal, Attended - Windows Closed	

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	32.3	40	44.1	50	24/01/2010 9:42pm-9:56pm	Internal, Attended - Windows Closed	Monitoring indicates COG goals are being met.
	43.7	40	51.2	50	24/01/2010 9:59pm-10:13pm	Internal, Attended- Windows Open	
70 Kalinga Street	31.1	40	43.5	50	26/01/2010 12:23am-12:37am	Internal, Attended- Windows Open	Monitoring indicates COG goals are being met.
	41.4	40	48.3	50	26/01/2010 12:39am-12:53am	Internal, Attended - Windows Closed	

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	34.1	40	50.1	50	29/01/2010 12:41-12:55am	Internal, Attended- Windows Open	Monitoring indicates COG goals are being met.
	28.5	40	39.9	50	29/01/2010 12:59-1:13am	Internal, Attended - Windows Closed	
70 Kalinga Street	39.2	40	52.2	50	30/01/2010 12:09-12:23am	Internal, Attended- Windows Open	Monitoring indicates COG goals are being met.
	29.5	40	42.9	50	30/01/2010 12:26-12:40am	Internal, Attended - Windows Closed	

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	28.2	40	38.5	50	30/01/2010 8:26pm-8:40pm	Internal, Attended- Windows Closed	Monitoring indicates COG goals are being met.
	41.8	40	47.9	50	30/01/2010 8:43pm-8:57pm	Internal, Attended- Windows Open	
70 Kalinga Street	27.6	40	44.7	50	1/02/2010 8:51pm-9:05pm	Internal, Attended - Windows Closed	Monitoring indicates COG goals are being met.
	39.4	40	49.2	50	1/02/2010 9:07pm-9:21pm	Internal, Attended- Windows Open	

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### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	28.2	40	38.5	50	3/02/2010 1:56am-2:10am	Internal, Attended- Windows Open	Monitoring indicates COG goals are being met.
	36.7	40	48.6	50	3/02/2010 2:12am-2:26	Internal, Attended - Windows Closed	
70 Kalinga Street	32.1	40	40.2	50	3/02/2010 8:42pm-8:56pm	Internal, Attended- Windows Open	Monitoring indicates COG goals are being met.
	42.8	40	50.9	50	3/02/2010 8:58pm-9:12pm	Internal, Attended - Windows Closed	

### Toombul

#### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
70 Kalinga Street	31.8	40	43.9	50	21/1/2010 20:07-20:21pm	Internal, Attended	Monitoring indicates COG goals are being met.
	36.0	40	56.9	50	22/1/2010 0:11-0:25am	Internal, Attended	Exceedance was due to non-TJH related activity
70 Kalinga Street	43.2	40	49.7	50	22/1/2010 20:30-20:44pm	Internal, Attended - Window open	Exceedance due to TJH activities.
	33.9	40	41.9	50	22/1/2010 20:47-21:01pm	Internal, Attended - Window Closed	Monitoring indicates COG goals are being met.
68 Kalinga Street	37.5	40	51.4	50	12/12/2009 11:42-11:56	Internal, Attended	Exceedance due to TJH related activities (Jet Blasting and Banging).

### Toombul

#### Night-time Construction Noise Monitoring Results

Toombul Area Construction Noise Monitoring							
Location	Measured Noise	COG Goal	Measured Noise	COG Goal	Monitoring Period	Type	Comments
	Laeq	Laeq	LaMax	LaMax			
66 Elliot Street	41.6	40	54.0	50	10/01/2010 9:18-9:32pm	Internal, Attended Windows Open	Exceedances due to TJH activities (Jet Blasting). Property Mitigation Provided
	45.8	40	59.9	50	10/01/2010 9:57 - 10:11pm	Internal, Attended, Windows Closed & Aircon on	Exceedances due to TJH activities - Property Mitigation Provided
6 Mabel Street	36.1	40	46.1	50	11/01/2010 11:52pm - 12:06am	Internal, Attended	Monitoring indicates COG Goals are being met.
47 Lewis Street	36.7	40	51.0	50	21/01/2010 1:48-2:02am	Internal, Attended	Property Mitigation Provided Exceedance due to TJH banging.
27 Mc Gregor Street	33.7	40	59.9	50	22/1/2010 1:24-1:38 am	Internal, Attended	Exceedance was due to Non-TJH activities.






## Toombul

# Community Relations Update

Ruth Moody

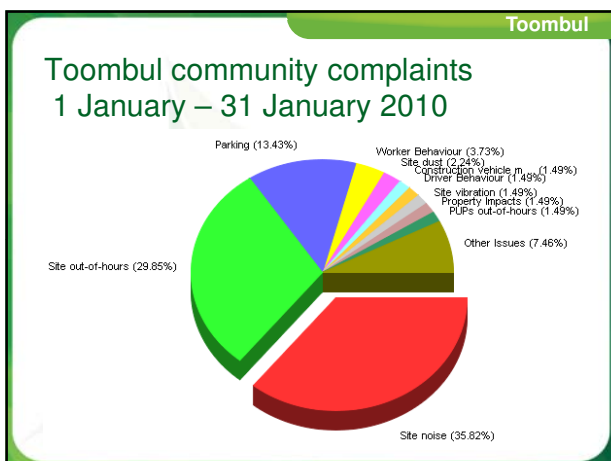
9 February 2010

smarter ways to move

### Toombul

#### Toombul community feedback 1 January – 31 January 2010

Community feedback	Total for January	Total for December	Total for November
Complaints	78	60	68
Issues/enquires	25	29	35



- ### Toombul
- #### Response/Actioning of Complaints
- Noise from Sandgate Road night work
    - Temporary relocation was offered to affected residents
  - Night work for conveyer installation
    - Temporary relocation was offered to affected residents
  - Worker parking issues
    - Implementation of car park at Aviation High School for approximately 200 vehicles
    - Survey of residents regarding proposal to take additional land in Kalinga Park

Toombul

### Community notifications

- Six notifications were distributed in Toombul in January including:
  - Sandgate Road widening night work
  - Sandgate Road water installation night work
  - Sandgate Road sewer maintenance work
  - East West Arterial Road night work
  - Installation of spoil conveyor bridge over Widdop Street
  - Installation of tunnel support equipment, Kalinga Park
- Total of 2,640 flyers

Toombul

### Community relations activities

- Doorknock of Lewis Street residents regarding geotechnical work
- Surveying of residents regarding Kalinga Park car park proposal
- Doorknock of Alma and Sandgate Road residents regarding relocation of noise wall and construction of sub-station
- Coffee morning in Jackson Street – Saturday 6 February (approx 18 attendees)

Toombul

### Community relations activities

- Consultation with Centro Toombul regarding closure of Widdop St during conveyor system erection
- Ongoing meetings with residents and businesses as required

Toombul

### Upcoming community relations activities

- Project update meeting with Arch Bevis MP – Federal Member for Brisbane
- Project update meeting with Cr David McLachlan – Hamilton Ward
- Project update meeting with Tim Nicholls MP – State Member for Clayfield
- Coffee Morning for Elliott, Mabel Stuckey Road residents – Saturday 4 April