

**PROJECT NAME: North-South Bypass Tunnel Project  
South / Central Community Liaison Group Meeting#16**

<b>Venue:</b>	Leckhampton House, Shafston Avenue
<b>Date:</b>	22 January 2008
<b>Time:</b>	6:00pm
<b>Attendees:</b>	CLG MEMBERS: Bob Eiszele, Joy Loggie, Adam Douglas, Don Look,  PROJECT TEAM: Malcolm Barnham (BCC), Julie Spencer (BCC), Anthony Havers (RCM), Michelle Holden (LBB JV), Kirsten Crook (LBB JV), Martin Mulhearn (LBB JV), Tim Ellis (LBB JV), Rod Varney (LBB JV), Peter Kouparitsas (LBB JV), Andrew Osborne (EDAW), Ian Don (EDAW), Emma Carlisle (Bassett), Callum Campbell (Chair)
<b>Apologies:</b>	Barry Peach, Ross Carlson, Dieter Gerschwitz, John Cristaudo
<b>Distribution:</b>	Attendees, Apologies & Tony Spink

Item	Description	Action
1	<p><b>Previous Minutes</b></p> <p>CC went through minutes from last meeting.</p> <p>CLG member questioned the meeting record in relation to site distances on the cnr Albert and Dibley Street. He said it had been acknowledged that it did not meet the standards and not as indicated in the minutes of the last meeting. MB explained that while the member claimed it did not meet the AusRoad Standards PR of LBB had advised that it did meet the QDMR standards required in the Project Deed.</p> <p>Minutes were recorded as true and accurate with the above clarification.</p>	Noted
2	<p><b>South community issues paper</b></p> <p>MH distributed and outlined the purpose of the issues paper to the group. MH stated that the paper was prepared in response to issues raised by three Woolloongabba community members (two CLG members) to Council officers and the Ward Councillor on 19 Dec 07 and 9 Jan 08. The paper will also be issued to the local community and will include landscaping drawings. The issues related to:</p> <ul style="list-style-type: none"> <li>• Noise walls</li> <li>• Dust</li> <li>• Construction Noise</li> <li>• Design</li> <li>• Community Consultation</li> </ul> <p>MH introduced design team to the group to comment on the paper and answer any other questions the group had. MH stated that a series of landscaping drawings were attached to the paper.</p> <p><b><u>NOISE WALLS – Emma Carlisle, Bassett Acoustics</u></b></p> <p>EC outlined:</p>	

- CoG Conditions of approval prescribed operational noise level goals
- Bassett engaged - refer acoustic design reports provided to the CLG
- Project deed specified materials for noise walls
- Temporary barriers required between Park and Lockhart until Mid 2009 – to be sealed and painted green

EC explained some of the different elements that are taken into consideration when modelling the height and location of noise barriers, including:

- Traffic speed
- Volume of traffic
- Distance between traffic
- Distance to houses/businesses
- Topography of area

EC said when the height is established, EDAW complete the urban design.

ID explained EDAW's process for the landscape design and of the finishes for the noise walls.

**CLG member raised the issue about gaps in the temporary noise walls near Park Road.** RV said the gaps were being filled in and would be complete by the end of the week.

RV said the temporary noise walls would be painted green to provide the community with a more aesthetically pleasing view until the permanent barriers are installed.

**CLG member asked where the noise barriers are currently being built and if they were plywood.**

RV outlined:

- Permanent noise barriers are currently being built across the bridge structures over Ipswich Road
- Barriers are made from approximately 30mm plywood (depending on span) and painted
- BCC would need to direct LBB JV to use alternate material other than wood
- Height and thickness of barriers vary in different locations as explained by EC
- Temporary barriers will be replaced with permanent barriers as final work progresses
- Mesh screen will be used on the bridges as well as barriers - screens are to protect motorists from falling objects.

**CLG member asked if any additional noise attenuation treatments were being applied to the noise barriers.** EC said there is no need to place additional treatments on the walls to buffer sound for the residential side.

**CLG member asked if reflective sound be taken into account when designing the barriers.**

EC said the design is based on the principle noise source and it was not possible to account

for reflections from inside the area to be protected

**CLG member asked if the permanent barriers will be painted.**

RV and ID outlined the barriers will be painted but only on the motorway side. There are three colours different in shade, but from the same colour palette. Resident side will not be painted.

**CLG member asked whether the finished paint surface will be in matt.**

ID said it will be matt.

**CLG member said he was concerned with the finish as some paints produce a glare effect in wet weather.**

**CLG member said the noise wall erection is underway/complete which makes it difficult for residents to now change. Member said noise has been an issue in the area before the project and now with additional traffic from the tunnel the noise level will increase.**

MB advised CLG member that all Coordinator General Guidelines and requirements have been met with regard to the location and height of the barriers.

**CLG member asked if the height and locations of the barriers could be changed.**

MB and JS advised member that there is a formal process that can be undertaken. This process was outlined at the CLG meeting in November, at the meeting in the ward office in December and again at the street meeting on 9 January. Process involves a formal application to local Councillor whom will need to decide to support it and therefore submit the change request to full council for approval.

**CLG member asked how long this would take and that it would take six months and the walls would then be built**

JS stated it is not possible to say how long as this would need to be discussed with local Councillor. If support was received immediately and it needed to be addressed immediately, she would need to take it to Council for approval. There would be a need to further investigate costs requirements etc.

**CLG member asked how much it would cost to raise the height of the barriers.**

RV said that it was difficult to produce an estimate at the meeting. EC advised that by increasing the barrier by 1m /or/1dba the human ear would not detect the difference.

EC explained that to achieve a decrease in 3dba, which would be heard by the human ear it would require the barriers to be double and in some cases tripled in height. This would produce a barrier of approximately 16m in height to lower the target level to 63dba.

**CLG member asked if concrete provided better noise attenuation than timber**

EC explained that while concrete has higher attenuation potential the height of the wall is the defining parameter hence the material is irrelevant except in very special instances

***CLG member asked if there was any way to stop LBB JV from continuing with their current work on the permanent noise barriers.*** MB advised there was not, unless a formal submission was sent to council for approval. RV explained there was a requirement to get them completed as soon as possible due to noise complaints from residents.

## **DUST – Martin Mulhearn LBB JV**

MM outlined:

- Monthly deposition primary measure
- Particulate measure supplements deposition to provide trends
- Exceedences – implement mitigation measures suitable for residents/construction activity/dust source

MH stated that data and results are available to the community via the website and outlined dust mitigation measures in place such as:

- Water carts
- Geofabrics to contain area – where this is being used
- Hydromulch to contain area – where this is being used
- Street sweepers – frequency, locations and duration
- Street sweepers

MM stated that it is common practice to use this machine and that:

- Water is used when the machine is operating
- Road can't be washed with the machine
- Use of machine constantly being monitored
- Machines being checked and replaced if necessary

***CLG member said he has never seen water being used on the machine.***

RV advised that the carts regularly refill their tanks with water from the site. Additional tanks have been placed on site to enable the sweepers to have easy and fast access to additional water sources. The water that comes out is a very fine spray not a large visible blast of water.

***CLG member said there are clouds of dust coming off the machine and going into people's houses and that it would be better to not have the machine going up and down the street.***

MM advised it is a requirement to avoid tracking dirt on the public roads. TE added that due to the current detour in the CLG member's street the machine could also be using the street to travel from one side of the project to another and that it would not always be using its sweepers and water.

MH stated that the project will re-examine the use of street sweepers and report back to the group.

LBB to investigate alternative methods

***CLG member said the time the machine comes through is inappropriate.***

TE explained the machines are sent through at the end of the construction day to ensure the entrances and streets near the work site are clean; and out of peak traffic times so that local traffic is not impacted. RV stated that he has already reduced the frequency of the visits and will look into stopping the night time sweeps. He will also reduce the sweepers to once every two days to see if that helps.

RV to investigate timing of sweeps

***CLG member said in a recent street meeting, that he organised, the local councillor asked the meeting attendees whether any of them were experiencing respiratory conditions. He said half the attendees put their hands up. He said that it was possible to see swirls of dust coming off the sweepers as they were not using water.***

JS requested CLG member consider the following solutions to assist in the matter:

- CLG member, or any member of the local community contact KC (1800 no) immediately when a machine is seen coming through his area and not using water.
- The environmental team trial a sweeper only once every two days to see if this helps.
- All night sweeps be cancelled.

***CLG member stated that residents had lost lots of sleep due to the sweepers and that could never be returned.***

Environmental and Construction team agreed to the above points and would immediately investigate any sweepers not using water. KC agreed to take immediate action on calls.

***CLG member asked whether lead testing was being done as it is now an issue in the north.***

MM said lead testing is not being done and explained that we are excavating Brisbane Tuff / rock, which has little/no lead in its composition. Brisbane Tuff has been used in construction around Brisbane for many years.

**CONSTRUCTION NOISE – Martin Mulhearn LBB JV**

MM outlined:

- Noise complaints – Woolloongabba
- CoG noise goals
- Monitoring station at Abingdon Street
- Monthly results on website
- Mitigation measures
- Working hours
- Restrictions on day work and night activities
- Reversing beepers

MM discussed use of alarms on project and advised:

- Smart alarms had been trialled on the project as an alternative to the reverse beeper
- Other alarms either did not produce the required level of sound to alert workers or

produced an unfamiliar sound

- Reverse beepers are commonly used throughout the construction industry as part of an overall safety procedure
- All machines coming onto the site from sub contractors would need to have the same alarm
- Smart Alarms have been used in mines, however this project unlike mines has many vehicles and workers on the ground in small spaces

***CLG member said safety alarms are not a requirement under the Health and Safety Act***

MH said the Act states the project has to provide a safe working environment on site and the use of the reverse beeper is how the project provides this for the workers.

***CLG member asked if any studies have been done on the health of people impacted by constant use of reverse beepers.***

EC said she was not aware of specific reports, but tests have been done on noise impacts in general.

CLG member asked about the dba level on a reverse beeper. EC said she could not answer that, but a single tone is more distinctive and can be heard.

***CLG member said residents are being psychologically impacted by the noise.***

Noted

**DESIGN – Peter Kouparitsas MPB**

PK explained a project of this scale is constantly evolving from the initial “concept design” as designs are improved through the “detailed design stage”. The project is currently in the last stages of detailed design stage and so further information is now available.

Ian Don outlined the landscaping design including the philosophy:

- Connectivity
- Buffering done through planting
- Amenity
- Separate pedestrian and cycle conditions
- Lighting and safety
- Constructability

ID explained images available to CLG members.

***CLG member said images were great and would help to assist with explaining the work. CLG member said the community will want to comment on these designs.***

MH explained that was the purpose of providing the information pack to the community and will be followed up with an Information Session on 7 February. The designers will be on hand to answer questions. The drawings will then be erected in the appropriate locations (ie design showing Abingdon – at the end of the street) for residents to view.

**CLG member asked if it was possible to change the species selection – asked if ID had a Poinciana in his backyard as they were very messy**

ID stated that he did have one in his backyard and that the species were chosen as part of a theme keeping in with the existing fauna.. Feedback on the selected species were certainly welcome. Obviously any changes would be considered within the landscaping principles applied and the Council and QDMR approving authorities.

CLG member stated there were a number of professional landscapers within the community who would like to provide feedback.

**CLG member asked about the bridges over Ipswich Road.**

RV outlined work and the number of bridge structures.

**CLG member asked if the bridges were going to look like LA structures, with graffiti and plain concrete – ie underneath the bridges.**

MB advised that the design of this aspect is currently being developed. ID explained there will be prominent planting and landscaping to soften the structures, different types of mesh and security screens, stairs, lighting, and artwork on the stairs. RV also stated that it will look very different underneath Ipswich Road because half of the road will be an underpass.

**Albert Street/Dibley Street Intersection**

PK discussed final design for this intersection including:

- Increased sight lines and distances
- Landscaping

**CLG member stated that was a good outcome and asked when this work would commence.**

RV to investigate and report to the group. RV discussed current Park Road Dibley Street detour and broad completion dates. Work would not be done at the same time as Park/Dibley Intersection.

**CLG member stated that this was not acceptable as LBB were reinstating an unsafe intersection once again.**

JS advised additional work would need to be done on the road with regard to a high voltage cable.

**CLG member stated that it was obviously due to bad planning from LBB and this should have been considered months ago.**

JS stated it could not be done at the same time as Park Road as it would require the closure of this intersection and therefore traffic would have no way to get through. The focus was to complete Park Road intersection as close as possible to school starting so the two way system could be reinstated as soon as possible and traffic could be removed from Albert Street.

EDAW will investigate preparation of images to depict what this will look like

LBB to respond to timeframe

**COMMUNITY – Michelle Holden**

MH provided information

- CLG member presentations
- Frequency of meetings
- Attendance by elected representative

MH said the CLG meeting is there as a platform for discussion and feedback on the project. MH said she was happy for CLG members to speak as long as they like.

MH also asked whether the CLG wanted to continue with a monthly meeting as had been the case throughout 2006/2007 or would they like to start having the meeting every six weeks as previously voted on in the last meeting.

MH stated that the group had been operating for over a year and that their feedback is important to the effectiveness of the group. MH explained that a survey will soon be distributed to all CLG members for their feedback including frequency of meetings.

**CLG member said his local councillor wants to come back to ensure the CLG is functioning correctly.**

MH stated that LBB do not have a problem with this as long as it is acceptable to the other members of the group.

CLG member stated that as long as the Councillor did not take over the forum then it would be fine.

JS said the CLG was a forum for community members to voice the concerns, discuss issues and provide feedback; not a platform for councillors to discuss their issues. Group agreed with this.

**CLG member said he was impressed with the calibre of professionals attending the meetings and the information provided.**

MH discussed other issues including:

- Notice period for construction work
- Format of notices for construction work

MH explained that concerns had been raised with the format and frequency of the community notifications and that following discussions with Council new templates would be created.

MH explained that the same experts attending the meeting would be available for community members to ask questions at the planned information session in Feb.

JS asked CLG members if they were happy if the information pack was sent out to the community in this format.

Chair to  
distribute  
survey

	<p><i>The majority of the CLG members said they are happy with the current format and the level of information presented to the community in the information pack.</i></p>	
3	<p><b>Ongoing Action Items</b> Actions response required for next meeting: <b>MH to follow up with removal of Connor Street closure signage</b> Traffic team are currently looking into removing the signage</p>	
4	<p><b><u>CLG Member Feedback</u></b></p> <p><b>Joy Loggie</b> - No comments or feedback from the community <b>Bob Eiszele</b> - No comments or feedback from the community</p> <p><b>Adam Douglas</b></p> <ul style="list-style-type: none"> <li>Requested BCC direct alternate materials be used for noise barrier construction</li> <li>Requested ongoing feedback and discussion about noise barriers</li> </ul> <p>CLG member's questions were also answered throughout meeting. CLG member thanked LBB JV, BCC, EDAW and Bassett for their response to his issues.</p> <p><b>Don Look</b></p> <ul style="list-style-type: none"> <li>Lead testing to be done as part of dust monitoring</li> <li>Stated that there is an increasing dust issues around Stones Corner</li> <li>Welcomed ongoing feedback and discussion about noise barriers</li> </ul>	MM to take lead monitoring request to project director
5	<p><b><u>Construction Update (including Traffic) – Rod Varney LBB JV</u></b></p> <p><b><u>Ipswich Road</u></b></p> <p><b>Work completed in last 4 weeks:</b></p> <ul style="list-style-type: none"> <li>Stage 1 of Ipswich Road widening west between O'Keefe and Harrogate St.</li> <li>Piling – Ipswich Road Underpass</li> </ul> <p><b>Work to be undertaken next four weeks</b></p> <ul style="list-style-type: none"> <li>Pile caps and preparation for detailed excavation – Ipswich Road Underpass</li> <li>Park Rd corner raising – road closures – expected completion (subject to weather) – 31 Jan</li> <li>Noise wall erection – PMW bridge across Ipswich Road</li> </ul> <p><b>Traffic changes/night work</b></p> <ul style="list-style-type: none"> <li>Burke Street drainage – lane closures</li> <li>Ipswich Road drainage at the Norman Hotel – lane closures</li> <li>Asphalting of Ipswich Road at Golden Casket</li> <li>Park Road work to install diversion back to original state end Jan (delayed due to rain)</li> </ul> <p><b><u>Pacific Motorway North</u></b></p> <p><b>Work completed in last 4 weeks</b></p>	

- Stage 3 piling on CC02, portal roof slab pour prior to Xmas, ongoing capping beams, ongoing anchors, ongoing excavations and haulage from site.

**Work to be completed in the next four weeks**

- Reinstate SET busway, setup ready for roof planks, ongoing anchors, ongoing excavation and haulage from site.

**Night work**

- Linemarking / signage Hawthorne Street overpass to Ipswich Road\_area  
Anchoring work (strictly limited to non-noisy activities) over the next three or four weeks
- Reinstating the busway (requires occupation of bus lanes) - Mid Feb

**Pacific Motorway South**

**Completed in last month**

- Stormwater drainage Pacific Motorway and Cornwall Street On-ramp
- O'Keefe Street surfacing/drainage
- DoH car park and landscaping O'Keefe Street

**Work to be completed in the next 4 weeks**

- Asphalt work Pacific Motorway inbound from Cornwall St and median (NSBT off ramp)
- Traffic lane re-alignment to Cornwall Street On-ramp
- Noise Walls (Pacific Motorway – Cornwall Street, start and partial completion only)
- Noise Walls (Pacific Motorway Bourne – Ipswich Road bridge)
- Concrete work for new bike path O'Keefe – Morrisey Street
- Continue bridge work for O'Keefe Street bridge widening, QR bridge and new Harrogate Street footbridge

**Night work**

- Subsurface drainage Pacific Motorway median O'Keefe – Cornwall Street
- Traffic lane re-alignment to Cornwall Street On-ramp
- PCBs installed Pacific Motorway O'Keefe – Cornwall St.

**South Ventilation Station**

**Work completed in last 4 weeks**

- 9 of 11m of excavation

**Work to be undertaken in next 4 weeks**

- Complete remaining 1 blast
- Complete shaft excavation
- Complete excavation and ground support for southern fire pump room shaft
- Continue substation work including columns and walls

**Shafston Avenue**

**Work completed last month**

- Service conduits for pedestrian signals
- Piles for overhead gantries across Shafston

	<p><b>Work to be undertaken next 4 weeks</b></p> <ul style="list-style-type: none"> <li>• Commence O'Connell Street median work</li> <li>• Installation of O'Connell pedestrian signals</li> <li>• Continue excavation of main trough by drill and blast</li> <li>• Blasts to occur generally on a daily basis at approx 12.30pm</li> <li>• Blasting times may change in the event of wet weather</li> </ul> <p><b>Traffic changes</b></p> <ul style="list-style-type: none"> <li>• Installation of pedestrian traffic lights at O'Connell</li> <li>• 50 metre exclusion zone and 5 minute stop and go on Shafston daily – approx 12.30 during blasting operations</li> </ul> <p><b>Tunnelling</b></p> <ul style="list-style-type: none"> <li>• 6 roadheaders in operation</li> <li>• Roadheaders now benching mainline northbound</li> </ul> <p><b>Gibbon</b></p> <ul style="list-style-type: none"> <li>• Shed erection has started and steel work is continuing</li> <li>• Excavation will start early February</li> </ul>	
6	<p><b><u>Environmental Update</u> – Tim Ellis LBB JV</b></p> <p>TE outlined</p> <ul style="list-style-type: none"> <li>• All Dust Deposition results were below the CoG Goal of 4.0g/m2/month.</li> <li>• Presented noise monitoring results within goals</li> <li>• Protected fig tree in Lockhart Street</li> <li>• Noise walls in Peterson Street</li> <li>• Replanted fig trees in Regent Street</li> </ul>	
7	<p><b><u>Community Relations</u>- Michelle Holden LBB JV</b></p> <p>MH outlined:</p> <ul style="list-style-type: none"> <li>• Proposed South Information Session 7 Feb at Dutton Park School from 4.30pm</li> <li>• Information session for Kangaroo Point to be arranged in march at the Visitors' Centre</li> <li>• CLG site visit proposed for 23 February</li> <li>• Format of notifications, updates and newsletters proposed to change</li> </ul> <p>KC outlined and categorised complaint trends and actions for November and December 2007. Reduction in complaints noted.</p>	
8	<p><b>Summary of Actions</b></p> <ul style="list-style-type: none"> <li>• MH / KC to distribute information pack to community</li> <li>• Organise Information Session – Dutton Park Primary School</li> <li>• Image of Ipswich Road heading north and into the tunnel, bridges and landscaping</li> <li>• Reschedule street sweeper frequency and investigate alternatives</li> <li>• Investigate lead testing</li> <li>• Add tree species to images provided at CLG</li> </ul>	<p>MH / KC</p> <p>MH</p> <p>ID</p> <p>TE / RV</p> <p>MM / TE</p> <p>ID</p>

9	<ul style="list-style-type: none"><li>• CC advised the next meeting would occur Tuesday 19 February 2008</li><li>• CC thanked the group for their participation and closed the meeting.</li><li>• CC to distribute minutes.</li></ul> <p>Meeting closed at 8.30pm</p>	CC
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