

MINUTES OF MEETING

Meeting Number 9

CLG	Toombul Community Liaison Group				
Location:	Centro Toombul Training Room	Date:	9 June 09	Time:	6:00pm

Item	Action
1.0	<p>Meeting opened:</p> <ul style="list-style-type: none"> • Apologies • Introduced Alex De Aboitz from City North Infrastructure and Katy Ryan from Thies John Holland
2.0	<p>Last month action items:</p> <ul style="list-style-type: none"> • TBM tunnelling presentation <ul style="list-style-type: none"> ◦ Tony Bermingham to present at tonight's CLG. • Fixed construction monitoring station at Alma Road <ul style="list-style-type: none"> ◦ Awaiting completion of sewer work – temporary monitor currently installed. • Vehicle emissions for operational phase of the Airport Link tunnel <ul style="list-style-type: none"> ◦ Facilitator sent link to PI Arc conference materials and website with the minutes from previous meeting. • Non- compliance reports <ul style="list-style-type: none"> ◦ TJH confirmed non-compliance reports are internal documents and are not for external distribution. • Extension of line marking on northern footpath <ul style="list-style-type: none"> ◦ TJH organised for additional line marking along the northern footpath. • Surface treatment of cleared area adjacent to Sandgate Road in Kalinga Park. <ul style="list-style-type: none"> ◦ TJH advised this area would be progressively covered with a piling platform including gravel. • Preconstruction monitoring data correction – from last meeting's minutes <ul style="list-style-type: none"> ◦ CNI confirmed that preconstruction air quality modelling had been undertaken, not monitoring. • Staff designated car park off Widdop Street <ul style="list-style-type: none"> ◦ CNI advised they are investigating the Widdop Street carpark issue, as the car park is a requirement as part of BrisConnection's contract with the State. CNI is currently communicating with BrisConnections seeking an explanation as to why the car park has not been established. ◦ CLG member commented about the length of time in investigating the issue. CLG member stated there have been flow-on effects in the community as a result of the car park not being in place.
3.0	<p>Tunnelling update: TB provided tunnelling presentation –</p> <p><i>Tunnel team mobilisation to Kalinga Park</i> To support TBM tunnelling operations in Kalinga Park, supporting structures, machinery and equipment will be required including:</p> <ul style="list-style-type: none"> • Installation of sub stations – June 2009. • Construction of acoustic shed – July/Aug 2009. • Installation of water treatment plant – Sept/Oct 2009. • Installation of grout plant – Sept/Oct 2009. • Installation of chiller plant – Sept/Oct 2009. • Construction of conveyor system – Jan 2010. <p><i>TBM facts</i></p>

MINUTES OF MEETING

Meeting Number 9

CLG	Toombul Community Liaison Group				
Location:	Centro Toombul Training Room	Date:	9 June 09	Time:	6:00pm

Item	Action
	<ul style="list-style-type: none"> Each TBM costs A\$45 million 12.48 metres diameter – the largest TBMs ever used in Australia. 190 metres long Each TBM will excavate on average between 4,500 and 6,000 tonnes of spoil There will be approximately 24 people working on each TBM per shift Crews will work 55-60 hours per week <p><i>TBM #1 Update</i></p> <ul style="list-style-type: none"> 1st project TBM currently being built in Schwanu, Germany by Herrenknecht Factory acceptance testing scheduled to occur August 2009 Delivery of TBM to Australia scheduled for Jan 2010 Assembly of TBM will take approximately 3 months Tunnelling from Kalinga Park scheduled to commence April 2010 <p><i>TBM #2 Update</i></p> <ul style="list-style-type: none"> Construction of TBM #2 is also underway in Germany and is 2 months behind TBM #1 Delivery of TBM #2 to Australia scheduled for March 2010 Assembly of TBM will take approximately 3 months & will begin excavation May 2010 <ul style="list-style-type: none"> CLG members were invited to vote on a colour for the TBM acoustic shed. Options included Shale Grey, Bushland, Pale Eucalypt. <ul style="list-style-type: none"> Eucalypt was selected. Presentation shown on how a TBM operates.
	<p>Questions:</p> <ul style="list-style-type: none"> CLG member enquired whether the conveyor will cross the creek. <ul style="list-style-type: none"> TJH advised the conveyor does not cross the creek. CLG member queried whether the conveyor will make any noise. <ul style="list-style-type: none"> TJH advised the conveyor cover will protect against the majority of noise. CLG member enquired when the delivery of precast segments will occur. <ul style="list-style-type: none"> TJH advised this will mostly occur during the day; however there may be times when deliveries are required at night. CLG member queried why the TBMs from NSBT cannot be used for Airport Link. <ul style="list-style-type: none"> TJH advised the TBMs are custom made for the geology and size of the tunnel – NSBT TBMs are not suitable. CLG member enquired how the diameter of the tunnel is determined. <ul style="list-style-type: none"> TJH advised it is determined by requirements such as number of lanes, width of the lanes and lighting/fans. CLG member asked how the TBM is steered underground. <ul style="list-style-type: none"> TJH advised surveying and laser beams are used for underground orientation. CLG member asked how the TBM segments are secured in place. <ul style="list-style-type: none"> TJH advised they are secured with large bolts and grouted in place. CLG member asked what materials the segments are comprised of. <ul style="list-style-type: none"> TJH advised segments are made of concrete with poly-prop. CLG member enquired about the maximum deflection of the TBMs. <ul style="list-style-type: none"> TJH advised they could not provide information at this time.
4.0	<p>Environmental monitoring update:</p> <ul style="list-style-type: none"> Provided monthly update on noise and air quality monitoring results (see table at end of minutes for locations and results).

MINUTES OF MEETING

Meeting Number 9

CLG	Toombul Community Liaison Group				
Location:	Centro Toombul Training Room	Date:	9 June 09	Time:	6:00pm

Item	Action
	<ul style="list-style-type: none"> Dust deposition gauge is now located at the Toombul Indoor Sports Centre. TJH advised the fixed air quality monitoring station will be located in Kalinga Park – adjacent to Alma Road. There is currently a portable station in a nearby location. The services team is currently undertaking sewer relocation work at the permanent location. <p>Questions:</p> <ul style="list-style-type: none"> CLG member asked whether the monitoring station at 68 Kalinga was operational. <ul style="list-style-type: none"> TJH confirmed monitoring station is operational. CLG member commented the Elliott Street noise wall had been up for sometime but was not reducing the noise. <ul style="list-style-type: none"> TJH advised there will be noticeable change once the gap at the cul-de-sac end is closed with shipping containers. TJH advised wet weather had delayed the gap being closed - it is now scheduled for the end of June. CLG member asked if the QR railway line noise wall would be replaced. <ul style="list-style-type: none"> TJH confirmed that the QR noise wall will not return during construction. CLG member enquired if the noise monitoring can be broken down into day-by-day data. <ul style="list-style-type: none"> TJH advised this is possible – to be provided at the next meeting.
5.0	<p>Community Relations update:</p> <ul style="list-style-type: none"> Community complaints and enquiries/issues received via the project hotline and email during May 2009: <ul style="list-style-type: none"> Complaints = 10 Enquiries/issues = 30 Six notifications (2,645 flyers) were distributed in Toombul/ARU in May including: <ul style="list-style-type: none"> Sandgate Road gas night work continued Groundwater monitoring QR corridor night work. Piling work in Kalinga Park. Sewer work in Kalinga Park. ARU site establishment update. Community relations activities that have occurred during May 2009 include: <ul style="list-style-type: none"> Door knocking regarding sewer work in Alma Road, Stuckey Road, Elliott Street and Mabel Street. Doorknocking regarding stormwater work in Elliott Street and Mabel Street. Meetings with Australia Trade Coast and Brisbane Airport Corporation regarding start of construction on ARU project. Information stand at Nundah State School fair on Saturday 23 May. Project update meeting with Tim Nicholls MP (State member for Clayfield). Residents and businesses are now able to subscribe to receive notifications via email and traffic alerts via SMS. Register at www.brisconnections.com.au <p>Questions:</p> <ul style="list-style-type: none"> CLG member enquired about the out of hours work in Kalinga Park and why the work continually occurs after 6:30pm. <ul style="list-style-type: none"> TJH advised the concrete pours are not planned to go past 6:30 pm but inhibiting circumstances have resulted in the work continuing past 6:30pm. CNI advised safety has to be maintained with all work on site and that they are working with TJH to manage the issue.
6.0	<p>Monthly construction update – to July 09:</p> <ul style="list-style-type: none"> Commencement of TBM shed (foundations) D-wall construction west of railway continues CC410 roof construction (Kalinga Park), which includes excavation down below original park level

MINUTES OF MEETING

Meeting Number 9

CLG	Toombul Community Liaison Group				
Location:	Centro Toombul Training Room	Date:	9 June 09	Time:	6:00pm

Item	Action
	<ul style="list-style-type: none"> Ground improvement work west of railway line, now only at west end behind the 4 DMR houses at end of Kalinga Street Staged completion of temporary noise walls east of the railway line, after sewer work is complete Piling platforms in Schulz Canal for Sandgate Road bridge widening (delayed due to approval) <ul style="list-style-type: none"> Impact to pathway under Sandgate Road Foundation work (piling) beside East-West Arterial Road Piling work beside railway on east side (start of rail underpass) Sewer relocation at ends of Alma Road, Stuckey Road, Elliott Street, Jackson Street, Kalinga Street, Wongara Street. <p>Questions:</p> <ul style="list-style-type: none"> CLG member enquired whether Bentonite is used with the d-wall pours. <ul style="list-style-type: none"> TJH confirmed Bentonite is used. CLG member enquired whether the d-wall process has to be undertaken in one day. <ul style="list-style-type: none"> TJH advised once the pouring process has begun it cannot be stopped. CLG member if the project was working to program. <ul style="list-style-type: none"> TJH confirmed there had been some issues caused by the rain and the program for some activities had been pushed out two weeks. CLG member enquired about the gravel in Kalinga Park, adjacent to Sandgate Road. <ul style="list-style-type: none"> TJH advised this would be used for the construction of the piling platforms. CLG member queried when the sub stations would be connected. <ul style="list-style-type: none"> TJH advised the TBM substation is currently being constructed and will be switched on by August 2009. CLG member enquired how the smaller TBM being utilised for sewer work is guided underground. <ul style="list-style-type: none"> TJH advised they would provide the information at a later date. TJH offered CLG member a tour of the work.
7.0	<p>General business:</p> <ul style="list-style-type: none"> CLG member asked if the TBM tunnelling shift timetable had been devised. <ul style="list-style-type: none"> TJH advised the shift timetable was still being determined. CLG member enquired how tunnelling staff would access the tunnel. <ul style="list-style-type: none"> TJH advised tunnelling staff will access the tunnel via bus from the site offices through the construction access road. CLG member commented on the conference paper on emissions control reported on the previous meeting's minutes and also referred to BrisConnections court case. <ul style="list-style-type: none"> BrisConnections advised the issue had been dismissed by the court. CLG member commented that the lighting towers in Kalinga Park are still angled towards his property – CLG member requested this for noting, not for action at this stage.
8.0	<p>Next meeting:</p> <ul style="list-style-type: none"> Next meeting: Tuesday 14 July 6pm – 8pm Centro Toombul training room

May Monthly Environmental Monitoring Results:

Toombul Construction Air Quality Monitoring – May Results			
Location	Measured Air Quality PM10 µ/m3	EPP (Air) 24gr Average PM10 µ/m3	Monitoring Period
Kalinga Street	15.2	50	11/05/09 – 19/05/09

MINUTES OF MEETING

Meeting Number 9

CLG	Toombul Community Liaison Group				
Location:	Centro Toombul Training Room	Date:	9 June 09	Time:	6:00pm

Kalinga Park Adj Alma Road	17	50	12/05/09 – 14/05/09
Kalinga Street	68.0*	50	20/05/09
Kalinga Street	332.0*	50	21/05/09
Kalinga Street	29.7	50	22/05/09 – 3/06/09
Kalinga Park Adj Alma Road	9	50	29/05/09 – 31/05/09
Kalinga Park Adj Alma Road	12.4	50	4/05/09 – 5/05/09

Note: The above tabled values are aggregate 24 hour averages of the days listed. 24 hour averages can be provided if required
* Exceedences due to heavy rainfall: 18th May – 24.2mm, 19th May – 101.2mm, 20th May – 149.2mm

Location	Measured Air Quality TSP - g/m2	CoG Goal TSP - g/m2	Monitoring Period
Kalinga Street	2.8	4	20th April – 22nd May
Kalinga Park adj Alma Road	2.4	4	20th April – 22nd May

Toombul Construction Noise Monitoring – May Results

Location	Measured Noise Laeq	COG Goal Laeq	Measured Noise LA10	COG Goal LA10	Monitoring Period	Type	Comments
Lewis Street	37.3	40	37.7	50	14/05/09 6:55am – 7:09am	Attended	
Lewis Street	34.0	40	35.0	50	14/05/09 10:09am – 10:23am	Attended	
Lewis Street	33.5	40	34.3	50	14/05/09 10:24am – 10:28am	Attended	
Lewis Street	45.1	40	46.0	50	03/06/09 7:56am – 8:10am	Attended	Noise wall containers along Kalinga St removed to enable jet grouting
Lewis Street	46.0	40	46.9	50	03/06/09 10:02am – 10:16am	Attended	As above
Lewis Street	47.6	40	48.7	50	03/06/09 1:50pm – 2:04pm	Attended	As above
Elliot Street	47.4	40	48.9	50	03/06/09 2:33pm – 2:47pm	Attended	6m noise wall in process of being constructed
Elliot Street	48.5	40	49.0	50	03/06/09 2:33pm – 2:47pm	Attended	As above
Lewis Street	36.6	40	37.4	50	05/06/09 8:43am – 8:57am	Attended	
Lewis Street	41.4	40	42.1	50	05/06/09 1:21 – 1:36pm	Attended	Noise wall containers along Kalinga Street removed to allow jet grouting to occur
Lewis Street	41.8	40	42.2	50	05/06/09 1:37pm – 1:51pm	Attended	As above
Elliot Street	52.0	40	51.9	50	05/06/09 8:04am – 8:18am	Attended	6m noise wall in process of being constructed
Elliot Street	49.2	40	50.1	50	05/06/09 10:07am – 10:21am	Attended	As above
Elliot Street	42.2	40	41.8	50	05/06/09 2:08pm – 2:22pm	Attended	As above