



## Meeting Notes

### Noise Liaison Group Meeting No. 27

03 October 2013, 10:00 to 11:30

Venue: FRC Project Office, Rosyth



#### Attendees:

Steven Brown	FRC Employer's Delivery Team (EDT) (Chair)
Andrew Mackay	FRC Employer's Delivery Team (EDT)
Martin Butterfield	FRC Employer's Delivery Team (EDT)
Andy Butler	FRC Employer's Delivery Team (EDT)
Dermot Connolly	City of Edinburgh Council (CEC)
Brian Carmichael	West Lothian Council (WLC)
Colin Goodsir	Forth Crossing Bridge Constructors (FCBC)
Martin Wilson	Forth Crossing Bridge Constructors (FCBC)
Steve Honeybone	Forth Crossing Bridge Constructors (FCBC)

#### Apologies for Absence:

David Climie	FRC Employer's Delivery Team (EDT)
Richard Greer	FRC Employer's Delivery Team (EDT)
David Redden	Fife Council (FC)
Tracy Wyllie	Fife Council (FC)
David Brewster	West Lothian Council (WLC)
Niall Corbet	Scottish Natural Heritage (SNH)
Carolyn Clark	Scottish Natural Heritage (SNH)
Mike Bland	Marine Scotland (MS)
Colin Megginson	Marine Scotland (MS)
Thomas Nilsson	Forth Crossing Bridge Constructors (FCBC)
Neil Abraham	Forth Crossing Bridge Constructors (FCBC)

Item	Subject	Description	Action
1	Introductions and Apologies	EDT welcomed all parties to the meeting. Apologies were received from those parties listed above. FCBC introduced Steve Honeybone the Marine Operations Manager. Steve attended the meeting to give an overview of the forthcoming Marine Works at Pier S4.	
2	Safety Procedures	All present were advised regarding safety and evacuation procedures.	
3	Minutes and Actions from Previous Meeting	The minutes of Meeting No. 26 held on 5 September were agreed. With the following minor amendments:-  Item 4(b)(ii) removal of 'and' from first line Item 4(b)(viii) -.last line should read 'at the same <u>time</u> as'  Actions from the previous meeting are as noted in items 4(a) and 4(b) below.	
4(a)	M9 Junction 1A	<b><u>Actions from Previous Meeting No. 26</u></b>	
	(i)	EDT confirmed that the SRB monitoring report will be circulated to the NLG.	EDT

4(b)	Principal Contract	<b><u>Actions from Previous Meeting No. 26</u></b>	
	(i)	FCBC indicated that the third quarter Underwater Noise Report would be issued by the end of the month.	FCBC
	(ii)	<u>FCBC to forward the Vibration Report for the Scotstoun area complaint by 11<sup>th</sup> October.</u>	FCBC
	(iii)	<u>Other actions were discussed under the separate agenda items below.</u>	
		<b><u>Plans for Control of Noise and Vibration</u></b>	
	(iv)	FCBC advised that the following PCNVs had been approved in the period: <ul style="list-style-type: none"> <li>• 0021 Mod 8 – South Earthworks (A904 Works)</li> <li>• 0021 Mod 11– South Earthworks (Echline Fence)</li> <li>• 0021 Mod 12A – South Earthworks(Society Road works)</li> </ul>	
	(v)	FCBC advised that the following PCNVs have been submitted <ul style="list-style-type: none"> <li>• 0011 Rev 6 – Land Based Piers This has been resubmitted following receipt of comments</li> <li>• 0020 Rev 13 – Marine Foundations This has been resubmitted following receipt of comments</li> <li>• 0008 Rev 04 –Network Structures South</li> </ul> <p>The above PCNVs are currently with the EDT for review.</p>	EDT
	(vi)	FCBC advised that the following PCNV revisions would be submitted to the Employer for review in due course: <ul style="list-style-type: none"> <li>• 0010 Mod 7 – North Networks - Pavement Testing</li> <li>• 0010 Rev 05 North Network Areas</li> </ul>	FCBC
		<b><u>Monitoring</u></b>	
	(vii)	<u>Maximum Noise Level Threshold Exceedances</u> <p>FCBC advised that 3 Night-time and 4 daytime exceedances of the maximum noise level thresholds had been recorded. The night-time exceedances were as follows:</p> <ul style="list-style-type: none"> <li>• 1 at Clufflat; and</li> <li>• 1 at Inchgarvie Lodge</li> <li>• 1 at Butlaw Fisheries</li> </ul> <p>all had been caused by the Society Road works.</p> <p>The Daytime exceedances were as follows:</p> <ul style="list-style-type: none"> <li>• 1 at Dundas Home Farm during the formation of earth bund adjacent to the properties;</li> <li>• 1 at Clufflat Brae during grass cutting works</li> <li>• 1 at Springfield during grass cutting works and</li> <li>• 1 at Butlaw Fisheries during removal of trial pit piles.</li> </ul> <p>No further exceedances were recorded and no complaints had been received due to noise occurring at the same time as the exceedances.</p>	
	(viii)	FCBC provided a review of the exceedances and the investigations undertaken. The exceedances and possible mitigation were discussed at length	

(ix)		<p>FCBC advised that attended monitoring had been undertaken during the following activities:</p> <ul style="list-style-type: none"> <li>• Society Road night works. Readings were taken for individual items of plant and these results will be used in future noise assessments.</li> </ul> <p>Toolbox talks had been given to the workforce as a result of the monitoring.</p>	
(x)		<p>FCBC provided an overview of the attended monitoring results.</p> <p>At Society Road, noisiest works were conducted during evening hours. Acoustic screens were erected adjacent to the nearest receptor, Inchgarvie Lodge. The noisiest works recorded were when the breaker was being used to trim joints.</p>	
(xi)		<p>FCBC gave an summary of proposed Noise Monitoring that is to be carried out in October. This was not an exhaustive list.:-</p> <p>NT Concrete Pour – Early October  S3 Piling Works – Early October  S4 Concrete Pour – Early October  NT Night Works – Rebar and Formwork – Late October</p>	FCBC
		<b><u>Community Engagement</u></b>	
(xii)		<p>FCBC advised that they had received two complaints regarding noise and vibration.</p> <p>Both complaints were raised by residents of Society Road.</p> <p>Complaint No1 – HGVs passing along Society Road to facilitate surfacing works.</p> <p>Complaint No2 – A similar complaint but also relating to the noise from works adjacent to Clufflat.</p> <p>An NCR has been raised against the Contractor for breaching the terms of the Code of Construction Practice with regard to access along Society Road.</p> <p>A second NCR has been raised by the Contractor for the overrun of works beyond the times specified in the PCNV. The overrun was caused by delays in excavation of the tie-in points.</p> <p>Additional toolbox talks were given to the operatives prior to the start of the second nightshift.</p> <p>The NLG questioned the process for the planning and execution of the works that led to the complaints. Improved planning of the works was considered necessary so that appropriate action could be taken to advise the local community of works that would be necessary at night, including delivery of materials. FCBC to action. EDT noted that further discussions with FCBC's construction team would be held regarding the completion of the works at Society Road and that they would be responding to the residents' complaints.</p>	<p>Note</p> <p>FCBC</p> <p>EDT</p>
		<b><u>Forward Programme</u></b>	
(xiii)		<p>FCBC noted that delivery of the south viaduct units had commenced although the delivery times were not as expected, units had been</p>	

		arriving late evening rather than early morning.	
	(xiv)	<p>The following items were discussed</p> <ul style="list-style-type: none"> <li>• M90/A90 Gantry Structures – Test Piles</li> <li>• FRB North leg hydrophone</li> <li>• North Tower/South Tower/ S3 piling works</li> <li>• S4 remainder of base pour.</li> <li>• ESQ02/03 bridge beam delivery</li> </ul>	FCBC
	(xv)	Works to install test piles at the 3 gantries on the A90 and M90 spur are currently being planned. FCBC to progress the PCNV for these works.	FCBC
	(xvi)	FCBC noted that the results from the Hydrophone mounted on the FRB North Pier showed that there had been no disturbance from the North Tower piling works. FCBC consider that the hydrophone is no longer needed and will formally request permission to remove it.	FCBC
	(xvii)	North Tower/ South Tower/ Pier S3 piling works for crane gantries. These works are expected to commence in early October. It is envisaged that a maximum of two out of the three areas will be undertaken at any one time, FCBC to advise the sequence when known.	FCBC
	(xviii)	The completion pour to the Pier S4 concrete works was due to be carried out on Saturday 5 <sup>th</sup> October. Due to difficulties cleaning the base within the cofferdam this has been postponed. Residents will be kept informed as to when this will now take place The pour is expected to be around 18hrs duration. Access will be via Echline Field as it is not possible to supply concrete from the marine side due to tidal restrictions. FCBC explained that due to availability of concrete wagons, the pour is likely to be undertaken on a Saturday. This was queried by the NLG and following clarification by FCBC was accepted as being necessary.	FCBC
	(xix)	ESQ02/03 bridge deck beams. It was noted that these beams are likely to be delivered early morning. FCBC were asked to ensure that the beams arrived prior to 06.30 or after 09.30 to ensure that traffic disruption was kept to a minimum.	
5	Next Meeting	The next meeting (No.28) will be held on 31 October 2013, 10am at the Ferrytoll site office.	
6	Any Other Business	EDT gave a brief overview of the feedback surveys. A more detailed report will be circulated around the NLG in due course.	EDT