



## Meeting Notes Noise Liaison Group Meeting No.38



04 September 2014, 10:00 to 11:30

Venue: FRC Project Office, Rosyth

### Attendees:

David Climie	FRC Employer's Delivery Team (EDT) (Chair)
Steven Brown	FRC Employer's Delivery Team (EDT)
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)
David Redden	Fife Council (FC)
Tracy Wyllie	Fife Council (FC)
Colin Goodsir	Forth Crossing Bridge Constructors (FCBC)
Marcos Gonzalez	Forth Crossing Bridge Constructors (FCBC)
David Keable	Forth Crossing Bridge Constructors (FCBC)
Mariano Serrano	Forth Crossing Bridge Constructors (FCBC)
Juan Jose Consuegra	Forth Crossing Bridge Constructors (FCBC)

### Apologies for Absence:

Richard Greer	FRC Employer's Delivery Team (EDT)
Andy Officer	FRC Employer's Delivery Team (EDT)
Brian Carmichael	West Lothian Council (WLC)
David Brewster	West Lothian Council (WLC)
Mike Bland	Marine Scotland (MS)
Fiona MacKintosh	Marine Scotland (MS)
Niall Corbet	Scottish Natural Heritage (SNH)
Carolyn Clark	Scottish Natural Heritage (SNH)

Item	Subject	Description	Action
1	Introductions and Apologies	EDT welcomed all parties to the meeting. Apologies were received from those parties listed above.	
2	Safety Procedures	All present were advised regarding safety and evacuation procedures.	
3	Minutes and Actions from Previous Meeting	The minutes of Meeting No.37 held on 07 August 2014 were agreed.  Actions from the previous meeting are as noted below.	
4	Principal Contract	<b><u>Actions from Previous Meeting No. 37</u></b>	
	(i)	Other actions were discussed under the separate agenda items below.	

		<b><u>Plans for Control of Noise and Vibration</u></b>	
	(ii)	<p>FCBC advised that the following PCNVs had been submitted in the period:</p> <ul style="list-style-type: none"> <li>• 0008 Mod 12 – Network Structures South ESQ04 cofferdam</li> <li>• 0010 Mod 17 - North Works Area – Duct crossing</li> <li>• 0010 Mod 18 – North Works Area – North Launch</li> <li>• 0010 Mod 19 – North Works Area –Temp Casting Yard</li> <li>• 0010 Mod 20 – North Works Area – Hope Street linemarking</li> <li>• 0010 Mod 22 – North Works Areas – Duct Works</li> <li>• 0022 Mod 02 – Marine Structures S3&amp;S4 piers</li> <li>• 0028 Rev 00 – Marine Structure Works Deck Segments</li> </ul> <p>No issues were raised regarding the above except PCNV0022 Mod 02 which was discussed at length. Refer to item (iv) below.</p>	
	(iii)	<p>FCBC advised that the following PCNV revisions would be submitted to the Employer for review in due course:</p> <ul style="list-style-type: none"> <li>• 0010 Mod 23 – North Works Areas – Line Marking Works</li> <li>• 0010 Mod 24 – North Works Areas – Hope Street Road Works</li> <li>• 0010 Mod 25 - North Works Areas – Hope Street road markings</li> <li>• 0010 Rev 10 – North Works Areas – Programme update</li> </ul> <p>The PCNV lookahead programme will be forwarded to members after the meeting.</p>	<p>Note</p> <p>FCBC</p>
	(iv)	<p>PCNV00022 – Mod 02 – 24hr working Piers S4&amp;S3</p> <p>A trial period agreed by the NLG for 24 hour working was in place from 21 August 2014 for marine based works associated with the viaduct pier construction at S4. A number of complaints had been received in relation to disturbance at a single property caused by the works, although FCBC noted that no noise threshold exceedances had occurred at that property.</p> <p>Members of the Marine Approach Viaduct Piers section were present at the meeting to explain the methods which had been adopted during the trial period for the S4 Pier works and actions that had been taken in response to the disturbance caused.</p> <p>FCBC confirmed that prior to works commencing a toolbox talk was held with relevant staff. Complaints relating to disturbance were investigated, including carrying out additional noise monitoring, and found to relate to the use of hammers mainly while installing shutters and related tie bars. FCBC advised that they had changed the working methods used during the trial period in response and reviewed the operations which would be undertaken during each shift to reduce potential noise levels. As a noise reduction measure steel hammers had been replaced with rubber mallets. FCBC advised that the mallets were not as efficient but the noise reduction was apparent. FCBC also advised that they had changed the working methods so that some activities were not carried out at night and were left until the next morning.</p> <p>In relation to future works at pier S4, FCBC advised that the final reinforcement and concrete installation would be carried out within an enclosed shutter and this should provide further noise reductions.</p> <p>It was noted that the trial period had been agreed by the NLG as the works were a marine based operation and that controls were to be in place to limit disturbance.</p>	

		<p>EDT noted that the NLG had discussed the matter at the weekly conference call and that the concerns of the EDT and NLG were raised with FCBC. EDT also noted that whilst the trial period had identified working practices that could cause a degree of disturbance and they were concerned that it had taken several nights to put in place alternative measures, the investigations carried out had allowed alternative working methods to be identified. It was noted that since the alternative methods had been in place, no further complaints had been received. EDT advised the contractor that any future pier works would have to be carried out using the revised working methods.</p> <p>CEC raised the issue of ensuring compliance with the working methods in the PCNV and the improved approaches now being taken and FCBC confirmed that those measures and approaches would be used.</p> <p>On this basis, the NLG agreed that future works at pier S4 and S3 in accordance with the approved PCNV would be permitted. FCBC confirmed that when the S3 works commence the first two nights would have full attended monitoring, with periodic monitoring thereafter to support the permanent noise monitors in place.</p>	Note
		<b><u>Monitoring</u></b>	
	(v)	FCBC advised that a number of maximum noise level threshold exceedances had been recorded over the past month at the Butlaw and Linn Mill monitors	
	(vi)	<p>Exceedances had been recorded at Butlaw on 9 nights all associated with the works at Piers S4 and S3. These noises were isolated excavation noise and hammering noise.</p> <p>Exceedances at Linn Mill resulted from movement of materials close to the monitor.</p>	
		<b><u>Community Engagement</u></b>	
	(vii)	FCBC advised that a number of new complaints had been received all from the south side of the estuary.	
	(viii)	The 24hr trial at Pier S4 had generated a number of complaints from a single property as discussed in item (iv) above.	
	(ix)	A resident of Echline Drive complained about noise from wagons in the Echline areas at 02.00 and 04.00 on 25 August. No FCBC works were being undertaken at this time involving wagon movements. A noise monitor was installed outside of the property for 3 nights as a precaution. The resident was also asked to keep a log of any disruptive noise heard.	
	(x)	A resident who works frequent night shifts enquired about piling works at the ESQ04 structure (B800). The resident was advised of the Contractor's obligations with regard to the CoCP and asked to keep a log of any time which he is disturbed and the nature of the sound. A monitor was placed at the property to capture any noise from the works. The resident was provided with details of the results.	
	(xi)	An enquiry was received regarding noise and dust in the Scotstoun area from works on the A90. FCBC will monitor and report back to the NLG in due course.	FCBC
	(xii)	FCBC advised that no new correspondence had been received from either of the residents in Springfield or Lothian View.	Note

5	Next Meeting	The next meeting (No.39) will be held on 2 <sup>nd</sup> October 2014, 10am at the Ferrytoll site office.	
6	Any Other Business	It was hoped to arrange a site visit immediately after the October meeting for NLG members.	FCBC