



Meeting Notes



Noise Liaison Group Meeting No. 26

05 September 2013, 10:00 to 11:30

Venue: FRC Project Office, Rosyth

Attendees:

David Climie	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)
David Redden	Fife Council (FC)
Tracy Wyllie	Fife Council (FC)
Colin Goodsir	Forth Crossing Bridge Constructors (FCBC)
Neil Abraham	Forth Crossing Bridge Constructors (FCBC)
Martin Wilson	Forth Crossing Bridge Constructors (FCBC)

Apologies for Absence:

Steven Brown	FRC Employer's Delivery Team (EDT)
Richard Greer	FRC Employer's Delivery Team (EDT)
David Brewster	West Lothian Council (WLC)
Brian Carmichael	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)

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. 25 held on 1 August 2013 were agreed. With the following minor amendments:- Item (ix) The Action column should show this as a "Note" and not an action for FCBC. Actions from the previous meeting are as noted in items 4(a) and 4(b) below.	
4(a)	M9 Junction 1A	<u>Actions from Previous Meeting No. 25</u>	
	(i)	EDT confirmed that a response had been sent to SRB regarding post construction noise monitoring. A briefing note will be prepared and issued to the NLG members.	EDT

4(b)	Principal Contract	<u>Actions from Previous Meeting No. 25</u>	
	(ii)	EDT confirmed that the underwater noise reports covering the first two quarters of 2013 had been received. These had been returned to FCBC for more detail to be added. FCBC were advised that future underwater noise reports must be provided in a more timely manner. FCBC to ensure that the third quarter report to be with EDT by second week of October.	Note
	(iii)	<u>Other actions were discussed under the separate agenda items below.</u>	
		<u>Plans for Control of Noise and Vibration</u>	
	(iv)	FCBC advised that the following PCNVs had been approved in the period: <ul style="list-style-type: none"> • 0021 Rev 6 – South Earthworks • 0021 Mod 6 – South Earthworks • 0021 Mod 7 – South Earthworks • 0022 Rev 0 – Tower and Pier Structural Works 	
	(v)	FCBC advised that the following PCNVs have been submitted <ul style="list-style-type: none"> • 00011 Rev 6 – Land Based Piers • 0020 Rev 13 – Marine Foundations These are currently with the EDT for review.	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"> • 0008 Rev 4 – Network Structures South - Programme Update • 00021 Mod 8 A904 Night Works 	FCBC
	(vii)	<u>EDT noted that some of the timescales requested by FCBC for the NLG review of modifications to PCNVs are very short. FCBC noted that they had reviewed this with their construction teams and but would keep the timescales under review.</u>	Note
		<u>Monitoring</u>	
	(viii)	<u>Maximum Noise Level Threshold Exceedances</u> FCBC advised that 3 Night-time and 6 daytime exceedances of the maximum noise level thresholds had been recorded. The night-time exceedances were as follows: <ul style="list-style-type: none"> • 1 at Butlaw Fisheries; and • 2 at Inchgarvie Lodge all due to had been caused by the Society Road works. The Daytime exceedances were as follows: <ul style="list-style-type: none"> • 4 at Dundas Home Farm during the formation of earth bund adjacent to the properties; • 1 at Scotstoun due to fence works adjacent to the noise monitor; and • 1 at Linn Mill due to plant moving within Echline field. No further exceedances were recorded and no complaints had been received due to noise occurring at the same time as the exceedances.	

	(ix)	FCBC provided a review of the exceedences and the investigations undertaken. No comments were made by the NLG in relation to the exceedences.	
	(x)	<p>FCBC advised that attended monitoring had been undertaken during the following activities:</p> <ul style="list-style-type: none"> • Society Road night works • Central tower night shift. <p>Toolbox talks for marine works had been given to the workforce.</p>	
	(xi)	<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. Portable acoustic screens were placed around the noisiest plant. A summary of the noise levels was provided and FCBC advised that they would be updating their plant list to take account of the measured levels for use in future PCNVs.</p> <p>At the Central Tower the work involved lifting formwork from the barge and placing it in the cofferdam. Predominant noise included traffic from the FRB, intermittent walky-talky and speech, intermittent low level clangs, and plant noise from a cherry-picker used to guide the formwork. Crane noise was very quiet. A summary of the noise levels was provided.</p>	
	(xi)	FCBC advised that underwater noise data had been obtained during the piling works at the north tower and provided a summary of the data. Analysis of the underwater monitoring of the piling at the North tower is to be provided to EDT by Friday 13 September.	FCBC
		<u>Community Engagement</u>	
	(xii)	<p>FCBC advised that they had received two complaints regarding noise and vibration.</p> <ol style="list-style-type: none"> 1. Noise from 24/7 working – Resident in Society Road – HGVs travelling past, Dust issues & noise from the Estuary (received 16/08/13) <p>FCBC had visited the resident and listened to his concerns. It was established that the HGVs were not part of the FCBC works but associated with the Scottish Gas networks operations. A noise monitor was placed in the resident's garden. The dominant noise source was traffic on the FRB. Noise from the South Tower concrete pour was barely audible. The monitoring results showed very low readings and were passed to the resident who was satisfied with response.</p> <p>A further enquiry was received on 03/09/13 regarding a banging and pounding noise. FCBC arrived at the property within one hour. Gas works were ongoing within 20m of the property. Measurements were taken and all noise levels were found to be within thresholds. Noise did not appear to be attributable to FCBC works.</p> <ol style="list-style-type: none"> 2. Vibration – Scotstoun Park - Resident complained that some masonry had fallen from the roofs of three properties. <p>FCBC visited the resident and explained the works being carried out. A vibration monitor was set up at the resident's property for a week. Results show that vibration levels are well below</p>	

		<p>threshold limits and levels that could be considered likely to cause damage. A permanent monitor which is closer to the works than the resident showed a similar pattern of readings. The results were explained to the resident. FCBC is to provide analysis of the vibration results, including taking account of any transfer functions to assess vibration levels within the properties at upper levels of the property.</p>	FCBC
		<u>Forward Programme</u>	
	(xii)	<p>FCBC noted that delivery of the south viaduct units will commence on September 9th and be initially for approximately 4 months although the total timescale will be closer to 1 year.</p>	Note
	(xiii)	<p>The following items were discussed</p> <ul style="list-style-type: none"> • Central tower concrete w/c 9 September • North Tower -Rebar formwork w/c 9 September • South Tower/ S3 piling works w/c 16 September • S4 remainder of base pour w/c 30 September. <p>Concrete works for the South Tower caisson underwater concrete are expected to be completed on 5 September.</p>	FCBC
	(xiv)	<p>Pier S4 concrete works are expected to restart w/c 30 September and will be land based with deliveries through Echline. FCBC to ensure that residents are kept informed of this work as it will be a 24hr operation.</p>	FCBC
	(xv)	<p>Works to install 3 gantries on the A90 and M90 spur will be carried out on nightshift to maintain traffic flows. FCBC to progress the PCNV for these works. It was requested that piling for the gantry furthest from the nearest receptor be carried out first. FCBC will pass this request to their construction team.</p>	FCBC
5	Next Meeting	<p>The next meeting (No.27) will be held on 3 October 2013, 10am at the Ferrytoll site office.</p>	
6	Any Other Business	<p>EDT has reviewed the feedback surveys and will report these at the next NLG.</p>	EDT