



Meeting Notes

Noise Liaison Group Meeting No. 9

1 March 2012, 10:00 to 12:30

Venue: FRC Project Office, Rosyth



Attendees:

David Climie	FRC Employer's Delivery Team (EDT) (Chair)
Andrew Mackay	FRC Employer's Delivery Team (EDT)
Richard Greer	FRC Employer's Delivery Team (EDT)
Martin Butterfield	FRC Employer's Delivery Team (EDT)
David Condie	FRC Employer's Delivery Team (EDT)
Oliver Atack	FRC Employer's Delivery Team (EDT)
Steve Williamson	City of Edinburgh Council (CEC)
Dermot Connolly	City of Edinburgh Council (CEC)
David Redden	Fife Council (FC)
Brian Carmichael	West Lothian Council (WLC)
Carolyn Clark	Scottish Natural Heritage (SNH)
Colin Megginson	Marine Scotland (MS)
Neil Abraham	Forth Crossing Bridge Constructors (FCBC)
Meinolf Droste	Forth Crossing Bridge Constructors (FCBC)
Paul Hillman	Forth Crossing Bridge Constructors (FCBC)
Ray Browne	Forth Crossing Bridge Constructors (FCBC)
Stephen Glynn	Forth Crossing Bridge Constructors (FCBC)
Phil Mutch	Forth Crossing Bridge Constructors (FCBC)
Roland Tarrant	SRB Civil Engineering Ltd (SRB)
Micheal O'Connell	SRB Civil Engineering Ltd (SRB)
Barry O'Riordan	SRB Civil Engineering Ltd (SRB)
Richard Docherty	John Graham (Dromore) Ltd (JG)

Apologies for Absence:

Steven Brown	FRC Employer's Delivery Team (EDT)
Tracy Wyllie	Fife Council (FC)
David Brewster	West Lothian Council (WLC)
Niall Corbet	Scottish Natural Heritage (SNH)
Mike Bland	Marine Scotland (MS)

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	EDT advised regarding safety and evacuation procedures.	
3	Minutes and Actions from Previous Meeting	The minutes of Meeting No. 8 held on 2 February 2012 were agreed. Actions from the previous meeting are as noted in items 4(a) to 4(c) below.	
4(a)	Principal Contract	<u>Actions from Previous Meeting No. 8</u>	
	(i)	EDT confirmed having issued the finalised noise information note to	

		the NLG.	
	(ii)	FCBC confirmed they had completed installation of the noise monitors. FCBC also advised that several monitors had been damaged and were currently being repaired.	
	(iii)	FCBC has still to finalise its weather station proposals and close out with submissions to the Employer as necessary.	FCBC
	(iv)	FCBC confirmed that some percussive piling may be necessary at the southern viaduct foundations. EDT to review with FCBC to establish the finalised proposals and advise the NLG.	EDT/FCBC
	(v)	EDT advised that it had completed its review of the Contractor's management systems and provided an overview of the main findings. EDT to write to the Contractor regarding the findings which included: <ul style="list-style-type: none"> • Good compliance with PCNVs when carrying out the works; • Greater level of clarity required regarding specific roles and responsibilities as the developed working procedures differed in some cases from those set out in the NVMP; and • Revisions would be necessary to the NVMP as different (and in some cases improved) working procedures were being followed compared to those originally envisaged when the NVMP was prepared. EDT noted that the revised NVMP would be required in advance of the next NLG meeting for review at the meeting 	EDT FCBC
	(vi)	FCBC confirmed that noise monitoring data for November/December 2011 and January 2012 had been formally submitted. EDT noted that FCBC had improved their performance on monitoring and reporting since the last NLG meeting and that it hoped to have the monitoring data for November/December 2011 on the project web site by early w/c 5 March 2012. EDT would review and provide any comments necessary on the January 2012 data.	EDT
	(vii)	FCBC provided an update on attended monitoring carried out at the start of new phases of work to demonstrate the noise characteristics being recorded and checks being undertaken.	
	(viii)	It was noted that PCNV0015 covering dredging works had been submitted, reviewed by the Noise Liaison Group and approved, subject to a meeting being held after approximately a week to review the works being carried out and any noise issues.	
	(ix)	FCBC issued an updated copy of their PCNV schedule.	
	(x)	FCBC confirmed having issued PCNVs covering milling works and tidal excavation works on Beamer Rock.	
	(xi)	EDT confirmed that NLG comments had been provided to FCBC regarding PCNV0011.	
	(xii)	EDT noted that FCBC contact details for evening works carried out 2 February 2012 on the A904 had been provided to CEC.	
	(xiii)	EDT confirmed that they had met with FCBC to review their preparation of noise monitoring reports and that as noted previously information was now being received from FCBC.	
		<u>Plans for Control of Noise and Vibration</u>	
	(xiv)	PCNV0007 – a modification covering Sunday working at the site offices at Echline fields was to be submitted. The works were associated with fitting out the offices and would therefore be carried inside and would not involve any heavy plant or machinery at the office location. CEC queried whether a generator would be on full time. FCBC advised that the generator would be super-silenced and would not be necessary for during March, but thereafter would be required until the main power supply was in place. EDT to review the PCNV and issue to the NLG for review.	FCBC
	(xv)	PCNV0008 – a modification to include construction of protection to existing services has been submitted by FCBC and is being reviewed. EDT to review and approve as appropriate.	EDT
	(xvi)	PCNV0010 – A modification to include earthworks at Castlandhill Road has been submitted. FCBC noted that the plant involved was generally accounted for in the PCNV for the excavations at Whinny	

		Hill. EDT to review and approve as appropriate.	EDT
(xvii)		PCNV0015 – FCBC advised that the PCNV covering blasting works had been submitted. EDT confirmed it had provided a response and issued its comments to the NLG. EDT confirmed it had a number of comments relating to the Contractor demonstrating compliance with vibration thresholds; monitoring programme and underwater noise issues. FCBC to revise pCNV and resubmit for approval.	EDT FCBC
(xviii)		PCNV0021 – FCBC advised they had submitted a PCNV covering earthworks on the southern side of the Forth. EDT to review the PCNV and issue to the NLG for review.	EDT
(xix)		PCNV0020 – FCBC advised that they were preparing a PCNV covering marine foundation works. An interim copy excluding calculations had been issued to the EDT for comment. FCBC advised that the marine works would include works outside of normal working hours and that explanations of why this was necessary were set out in the PCNV. FCBC to finalise and issue the PCNV formally.	EDT FCBC
(xx)		PCNV0019 – FCBC confirmed that modifications to PCNV0019 covering milling works and tidal working for excavations on Beamer Rock had been submitted. FCBC gave an overview of monitored noise levels from the milling trial and from previous tidal working during drilling works on Beamer Rock. It was noted that noise levels were below the relevant assessment category levels and that during previous working no complaints due to the works being carried out had been received. It was agreed that approval be given to the works progressing and that a review is carried out, together with a review of dredging works, w/c 12 March 2012.	EDT ALL
		<u>Monitoring</u>	
(xxi)		FCBC provided an overview of their updated procedures to be followed in the event of any exceedences of noise level thresholds. EDT advised that the procedure would have to be reflected in their NVMP.	FCBC
(xxii)		FCBC provided an overview of the weekly checks carried out on noise monitors including checks on the data connection to the monitors, calibration, system memory and log.	
(xxiii)		FCBC gave an overview of attended monitoring carried out for works at St Margaret's Marsh indicating calibration checks carried out and data recorded.	
(xxiv)		FCBC gave an overview of noise monitoring for January and February 2012. FCBC noted that a number of exceedences of maximum noise level thresholds had occurred but investigations carried out demonstrated that none were attributable to construction works and that the main causes were adverse weather conditions, monitor maintenance, non-construction noises at property, existing traffic, birds etc.	
		<u>Community Engagement</u>	
(xxv)		FCBC gave an overview of community engagement activities undertaken within the last month covering notifications, neighbourhood visits and consultations, school visits and presentations given.	
(xxvi)		FCBC confirmed a complaint had been received from a resident in Lin Mill sensitive to vibration. Investigations, including siting a vibration monitor at the affected property, indicated that works associated with the suite compound at Echline had been the cause of the complaint but that only low levels of vibration had occurred. FCBC planned to focus on additional advance notification of works because of the higher sensitivity of the resident to vibration.	
		<u>Forward Programme</u>	

	(xxvii)	<p>FCBC identified the following as key forthcoming works:</p> <ul style="list-style-type: none"> • Blasting for the north abutment, Whinny Hill and pier N2 • Marine foundations covering the main crossing towers and approach viaducts, including caissons, dredging and cofferdam trial • Earthworks top the south and west of South Queensferry, with drainage works, service diversions and site clearance works 	
4(b)	M9 Junction 1a	<u>Actions from Previous Meeting No. 8</u>	
	(i)	EDT confirmed having issued the finalised noise information note to the NLG.	
	(ii)	EDT noted that the final version of the baseline monitoring report was outstanding. EDT to review comments with SRB to allow report to be closed out.	EDT/SRB
	(iii)	SRB confirmed that PCNV023 regarding earthworks construction had yet to be completed.	SRB
	(iv)	SRB tabled their updated cumulative noise assessment. The assessment was noted and SRB are to include in the assessment for the next meeting an evening and night time assessment.	SRB
	(v)	SRB tabled a report on short term attended noise monitoring carried out in January and February 2012. The report was noted.	
	(vi)	EDT confirmed that the November and December 2011 monitoring results had been reviewed and were being compiled in a noise monitoring report to be published on the project website.	EDT
	(vii)	SRB advised that an updated NVMP would be available in the next few weeks. NLG asked that it be provided in advance of the next NLG meeting so that it could be discussed at the meeting	SRB
	(viii)	EDT noted that updated monitoring information covering January 2012 had been issued by SRB and was being reviewed.	EDT
	(ix)	The difference between continuous and intermittent vibration was discussed. EDT confirmed that works that caused vibration of a continuous nature were subject to the lower vibration thresholds in the CoCP even if the works themselves were not continuous for entire daily periods. Therefore works such as compaction using vibratory rollers were subject to lower vibration thresholds. SRB to note for vibration monitoring reports.	SRB
		<u>Plans for Control of Noise and Vibration</u>	
	(x)	<p>SRB tabled their updated PCNV schedule and noted the following:</p> <ul style="list-style-type: none"> • PCNV023 – ongoing • PCNV028/029 covering gantry erection – to be submitted • PCNV035 covering safety barriers has been submitted. EDT confirmed having provided comments. SRB to address comments. • PCNV036 covering painting structures has been submitted. EDT to review. 	<p>SRB SRB SRB EDT</p>
	(xi)	SRB noted that high vibration dose value levels (VDV) were being predicted for properties adjacent to the M9 relating to use of vibratory rollers during earthworks (PCNV0023). SRB advised that they had reviewed alternative methods but high VDV's were still predicted. SRB advised that their preferred construction methodology was to use vibratory rolling given the location of the embankment between a cut/fill line and structure and that it was benching into an existing embankment. NLG agreed that use of a vibratory roller was preferred from an engineering and end-product perspective. EDT advised that they had concerns regarding the assessment of VDV being so high and undertook to review this with SRB. SRB noted that they would be focussing on community engagement and monitoring during the works at this location given the potential for disturbance due to vibration. Following review of the VDV assessment, SRB is to finalise and	EDT/SRB

		resubmit the PCNV.	SRB
		<u>Monitoring</u>	
	(xii)	SRB provided an update regarding monitoring works.	
		<u>Community Engagement</u>	
	(xiii)	SRB advised that they had received three enquiries relating to noise and vibration during February: <ul style="list-style-type: none"> Residents at Buie Rigg had requested information regarding shet piling works (refer to NLG minutes 1 February 2012) A resident had requested information regarding noise barriers which had been provided; A resident had indicated that they thought traffic noise levels associated with HGVs travelling at night had increased. SRB had investigated and responded to the enquiry. 	
		<u>Forward Programme</u>	
	(xiv)	SRB provided an overview of the forward programme which includes the following works programmed for March and April 2012: <ul style="list-style-type: none"> Site clearance and topsoil stripping; Layby construction and ducting on the M9 Spur; Erection of gantries on Saturday 3 March 2012 (overnight) Earthworks and piling at the M9 overbridge Earthworks and piling at gantries Earthworks and drainage site wide Works at Niddry and Swine Burns Service diversions 	
4(c)	Fife ITS	<u>Actions from Previous Meeting No. 8</u>	
	(i)	EDT confirmed having issued the finalised noise information note to the NLG.	
	(ii)	EDT confirmed that maps showing fixed monitoring locations would be published on the project website with the next monitoring reports in the next week or so.	EDT
	(iii)	JG confirmed that monitoring data from park lea had been submitted to the EDT on 29 February 2012. EDT to review and comment.	EDT
	(iv)	EDT confirmed that the baseline monitoring report was complete.	
	(v)	JG confirmed that they have yet to provide photographs of the fixed monitors for issue to the NLG and would issue these as soon as possible.	JG
	(vi)	JG confirmed having submitted their request to work outside normal working hours and EDT confirmed that it had been approved as per the discussion at the last NLG meeting.	
	(vii)	JG confirmed that no works had been undertaken outside normal working hours within February.	
	(viii)	JG provided an update regarding gantry installation as part of their forward programme update.	
		<u>Plans for Control of Noise and Vibration</u>	
	(ix)	JG provided an update on the status of PCNVs, noting the following: <ul style="list-style-type: none"> PCNV0009 – Overhead gantry installation – revised version submitted 29 February 2012. EDT to review. PCNV0010 – Southbound carriageway resurfacing – revised version to be submitted w/c 5 March 2012. PCNV0013 – Widening hardshoulder at Admiralty Junction – to be resubmitted w/c 5 March 2012 PCNV0014 – Submitted 17/02/12. EDT confirmed that 	EDT JG JG

		PCNV0014 had been approved.	
		<u>Monitoring</u>	
	(x)	JG confirmed having submitted monitoring information on 29 February 2012 covering works at Park Lea and mineworking consolidation works. EDT advised this was being currently being reviewed.	EDT
		<u>Community Engagement</u>	
	(xi)	JG advised that they had received an enquiry regarding noise associated with burning off road markings which had been responded to and had not reached the stage of becoming a complaint.	
		<u>Forward Programme</u>	
	(xii)	JG provided an overview of their forward programme which includes the following works: <ul style="list-style-type: none"> • Gantry erection – commencing 7 April 2012 and continuing each weekend thereafter • Resurfacing southbound carriageway with night time working from 23 April 2012. 	
	(xvi)	EDT requested a copy of the 3 month lookahead programme be provided for the next meeting.	JG
5	Next Meeting	The next Meeting (No. 10) will be held on 5 April 2012, 10am, Ferrytoll site office.	
6	Any Other Business	NLG noted that for the reporting of maximum noise level threshold exceedences, if the highest exceedence is non-construction related and in any day there are other construction related exceedences, then the reports should be based on the highest construction related exceedence. EDT to confirm to all Contractors.	EDT