



Meeting Notes Noise Liaison Group Meeting No.37



07 August 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)
Martin Butterfield	FRC Employer's Delivery Team (EDT)
Andy Butler	FRC Employer's Delivery Team (EDT)
Andrew McArthur	FRC Employer's Delivery Team (EDT)
Dermot Connolly	City of Edinburgh Council (CEC)
David Redden	Fife Council (FC)
Colin Goodsir	Forth Crossing Bridge Constructors (FCBC)
David Keable	Forth Crossing Bridge Constructors (FCBC)
Sean Wichman	Forth Crossing Bridge Constructors (FCBC)
Alan Irvine	Forth Crossing Bridge Constructors (FCBC)
Jared Carlson	Forth Crossing Bridge Constructors (FCBC)

Apologies for Absence:

Andrew Mackay	FRC Employer's Delivery Team (EDT)
Richard Greer	FRC Employer's Delivery Team (EDT)
Andy Officer	FRC Employer's Delivery Team (EDT)
Brian Carmichael	West Lothian Council (WLC)
Tracy Wyllie	Fife Council (FC)
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. EDT summer student was introduced to the meeting.	
2	Safety Procedures	All present were advised regarding safety and evacuation procedures.	
3	Minutes and Actions from Previous Meeting	The minutes of Meeting No.36 held on 03 July 2014 were agreed. Actions from the previous meeting are as noted below.	
4	Principal Contract	<u>Actions from Previous Meeting No. 36</u>	
	(i)	FCBC confirmed that the ESQ04 beam lifts will take place late September early October	Note
	(ii)	Other actions were discussed under the separate agenda items below.	

		<u>Plans for Control of Noise and Vibration</u>	
	(iii)	<ul style="list-style-type: none"> • FCBC advised that the following PCNVs had been submitted in the period: • 0008 Rev 08 – Network Structures South • 0010 Mod 17 – North Works Area – A904 Duct Works • 0020 Rev 17 – Marine Foundation Works • 0020 Mod 02 – Marine Foundations – Long Reach Excavator • 0020 Mod 03 – Marine Foundations – S3 Plug pour • 0021 Mod 23 – South Works Area – Inclusion of Road Planer • 0022 Rev 03 – Marine Structures – Tower and Pier Works • 0022 Mod 2 – Marine Structures – Piers S3 & S4 <p>No issues were raised regarding the above.</p>	
	(iv)	<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"> • 0008 Mod 12 – Network Structures South ESQ04 cofferdam • 0010 Mod 18 – North Works Areas - North Launch • 0010 Mod 19 – North Works Area –Temp Batching Plant • 0028 Rev 00 – Marine Structure Works Deck Segments <p>The PCNV lookahead programme would be forwarded to members after the meeting</p>	<p>Note</p> <p>FCBC</p>
	(v)	<p>PCNV00028</p> <p>FCBC presented and explained the sequence of works which is required at all towers for installation of the first deck segments. Temporary steelwork would be erected at each tower utilising a floating crane. This steelwork will be transferred from the port area and erected starting at the central tower. Once the central tower is erected the process will be repeated at the north tower followed by the south tower. FCBC indicated that the north and south towers may be erected concurrently but this is dependent on tides and weather conditions. Due to the nature of the works it will be carried out on a 24hr basis. There will be noise generated mainly from air and hydraulic impact wrenches and hammering of wedges during initial setting out of the steelwork. FCBC will endeavour to keep the noisier works to daytime hours but there will inevitably be some during the evening and night time periods.</p> <p>The NLG requested that FCBC check power tool noise ratings during the procurement stage to ensure that the quietest equipment is purchased where practicable.</p> <p>The NLG also requested details of the noise levels expected from the crane barge.</p> <p>Respite will be provided similar to that currently provided on the tower works.</p> <p>Attended monitoring will be undertaken at the start of, and periodically during, the works. Initial tool noise levels have been taken to allow the PCNV to be progressed and issued for review. EDT requested that the PCNV was issued as soon as possible for review.</p>	<p>FCBC</p> <p>FCBC</p> <p>FCBC</p>
	(vi)	<p>PCNV00010</p> <p>FCBC engineer in charge of the North Approach Viaduct explained the sequence of works to be carried out. Due to the thickness of steel involved in the viaduct the works will require to be carried out on a</p>	

		<p>24hr basis to maintain the integrity of the welds. The nearest receptor is the Queensferry Hotel and temporary noise fencing will be erected if required once noise readings have been taken at the commencement of the works.</p> <p>The works are expected to commence in October and the PCNV will be issued shortly. It is anticipated that evening and nighttime works will be of a similar nature to those already carried out on the south viaduct which have had no noise or vibration impact on the surrounding area. The viaduct steel will be completed on shore and will require a single pull into position unlike the multiple pulls required for the South viaduct.</p>	
	(vii)	<p>PCNV00022</p> <p>FCBC explained the process for carrying out the S3 mass concrete plug pour. Due to the size of the pour concrete will be provided via the Echline field access. This is due to lack of access during low tides and the requirement for the concrete to be placed as a continuous pour. The availability of sufficient concrete wagons precludes a midweek pour.</p> <p>The exact date of the pour is currently unknown due to ongoing cleaning works. FCBC will advise residents and other parties when known. The pour is expected to take between 40 and 48hrs to complete.</p> <p>The concrete washout will be moved away from sensitive areas</p>	
		<u>Monitoring</u>	
	(viii)	<p>FCBC advised of the following Noise Level Exceedances over the past month:</p> <ul style="list-style-type: none"> • Night time of 9,11,16 & 24/07/14 – Butlaw Fisheries. • Day time of 14&15/07/14 – Linn Mill • Evening/Night 4/7/14 - Echline <p>FCBC advised that exceedances at Butlaw Fisheries resulted mainly from the long reach excavator at S3 during the night. The exceedance at Linn Mill resulted from movement of materials close to the monitor and Echline from the A904 traffic switch operations.</p> <p>No action was required by the NLG in relation to the exceedances.</p>	
	(ix)	Removal of underwater monitors is still being progressed with the relevant third parties.	Note
		<u>Community Engagement</u>	
	(x)	<p>FCBC advised that a number of new complaints had been received.</p> <p>The complaints all emanated from the South side of the Estuary:-</p>	
	(xi)	FCBC had brought a long reach excavator onto site at S3. The ventilation grille for the engine was facing the shore, which caused the reason for the complaint. It was found that when the excavator was rotated the noise level dropped significantly. An NCR had been raised against the Construction team for using plant which had not been included in the PCNV.	Note
	(xii)	A metallic clanging (similar to a church bell) was heard on a couple of occasions. This is similar to the complaint received in June. The noise was not enough to trigger the relevant monitors so it is very difficult to confirm the source of this noise. The resident has been asked to keep a log of any further occurrences. It was suggested that a number of additional monitors with lower threshold settings are placed in various locations in the area to try and locate the source of the sound.	FCBC

	(xiii)	<p>Evening works for traffic management changes on the A904 at Echline prompted a complaint. The main noise was from a heat torch burning off white lines. The torch also produces fumes which was blown towards the properties. Correspondence had been received from the residents at Echline. This had been addressed directly by the Employer.</p> <p>FCBC to ensure that advanced notification to residents is delivered in accordance with the Contract.</p>	FCBC
	(xiv)	<p>The ongoing complaint from a resident in Springfield about night time noise was discussed. FCBC had offered to do internal monitoring of the residence. This was initially accepted but the resident then cancelled late in the afternoon of the planned day of monitoring. The resident has been asked to contact FCBC if the noise returns but there has been no further contact. The NLG consider that all monitoring to date at this property had found no evidence of construction related exceedances and agreed that any further complaints from the resident will be directed to the local authority help line.</p>	FCBC
	(xv)	<p>FCBC advised that one new noise enquiry and further correspondence on an existing noise enquiry had been received.</p>	Note
	(xvi)	<p>The new enquiry related to a cherrypicker being used at the south approach viaduct works out of hours. This was investigated and found to be an isolated incident. The evening workforce had received a refresher toolbox talk to reinforce the limits on working hours for particular activities.</p>	
	(xvii)	<p>Further correspondence has been received from the resident of Lothian View questioning the timing of the recently taken comparison noise levels as it did not in their opinion encapsulate heavy traffic use. The resident has been advised that FCBC will replicate the study but the NLG consider that the post contract noise surveys will address any concerns in due course.</p>	FCBC
5	Next Meeting	<p>The next meeting (No.38) will be held on 4th September 2014, 10am at the Ferrytoll site office.</p>	
6	Any Other Business		