

**Bridge Owners' Forum**  
**BOF28 Tuesday 19<sup>th</sup> January 2010**  
**King's College, Cambridge**

## **Actions arising from BOF28**

(excluding actions relating to the organisation of the International Bridge Forum)

<b>Item</b>	<b>Action By</b>	<b>Action Required</b>	<b>Completed</b>
BOF28 Section 4a	CHAIRMAN Brian Bell	<b>CIRIA Best practice guides</b> Brian Bell expressed concerns with CIRIA's copyright constraints on the electronic documents; Cam Middleton and Brian Bell will review whether these are against the spirit of the contract.	
BOF28 Section 4b	Stephen Pottle	<b>Training and qualification of Bridge Inspectors (Phase I)</b> Following his final approval, Stephen Pottle (Project Steering Group convener) was asked to arrange publication and to report on the contractor's performance.	
BOF28 Section 4c	All PSG Convenors	<b>Project Steering Groups</b> The Convenors of all Project Steering Groups (PSGs) were asked to submit minutes of meetings of any progress meetings to John Menzies for publishing in the private area of the BOF website.	
BOF28 Section 4d	Ronnie Wilson	<b>Bridge deck slabs with non-metallic reinforcement</b> Brian Bell reported that the DfT order for the work has been with Queen's University Belfast for several months and no contact has yet been made by the BOF Project Steering Group. Ronnie Wilson highlighted the project at Thompson's Bridge and offered to send details to Albert Daly.	
BOF28 Section 4e Action 1	Brian Bell	<b>Carbon composites for the strengthening of steel structures</b> Brian Bell proposed Paul Russell (BASF) for the PSG, and will confirm this at the next meeting.	
BOF28 Section 4e Action 2	Brian Bell	<b>Carbon composites for the strengthening of steel structures</b> Brian Bell offered to arrange an exchange of ideas with the IMAGINE project, a DTI/Technology Strategy Board project investigating in-service monitoring of FRPs.	
BOF28 Section 4f Action 1	Stephen Pottle	<b>Automated Bridge Inspections</b> TRL had produced an initial internal report; Stephen Pottle was asked to send this to John Menzies so it could be put on the private area of the website.	
BOF28 Section 4f Action 2	Paul Foskett for Andrew Oldland (DfT)	<b>Automated Bridge Inspections</b> Alex Wright and Stuart McRobbie had presented their intention to postpone the project start until May 2009, delaying the completion until April 2010 (in the following financial year). Andrew Oldland was asked to investigate any impact on the project funding.	
BOF28 Section 4f Action 3	Stephen Pottle	<b>Automated Bridge Inspections</b> The next PSG meeting was scheduled for 2 September 2009. TRL were asked to submit a report to BOF but this had not been received; the PSG convener was asked to request it.	

BOF28 Section 4g Action 1	CHAIRMAN John Menzies	<b>NDT of Macalloy bars tying prestressed beams</b> No progress had been made on this project. Brian Bell reported that its priority had been reduced; Mike Ford had consequently been asked to reprice it, but had not yet done so. The CHAIRMAN and John Menzies were asked to investigate funding opportunities.	
BOF28 Section 4g Action 2	Graham Cole Peter Brown	<b>NDT of Macalloy bars tying prestressed beams</b> The project has no PSG. Graham Cole and Peter Brown were asked to seek volunteers from CSS. Brian Bell suggested than sharing members with the carbon composite project would reduce the cost of travelling to meetings.	
BOF28 Section 4h	CHAIRMAN John Menzies Neil Loudon	<b>Scanning of HA Research Reports</b> Neil Loudon reported that he had the reports in his office in Bedford. He, The Chairman and John Menzies will meet to identify which should be scanned and to produce a draft specification for the scanning.	
BOF28 Section 4k	Andy Phillips	<b>Decision Support Tool Phase 2 (Non-BOF Project)</b> This does not fall under BOF's remit; Andy Phillips was asked to investigate whether it should be added to the list of projects which BOF reviews.	
BOF28 Section 5a Action 1	John Menzies	<b>Asset Management</b> Paul Foskett advised that, if the case could be made for a link between asset management and this research project (Bridge Inspectors Competence Training) and BOF members were prepared to contribute towards the costs of the latter, he would consult colleagues on whether DfT funding could be found in 2009/10 for the Bridge Inspector Competence Training research. John Menzies to forward Stephen Pottle's draft specification and business case for the Bridge Inspection Competence project to Paul Foskett.	
BOF28 Section 5a Action 2	Peter Brown	<b>Asset Management</b> Peter Brown to document how Inspection Competence relates to asset management.	
BOF28 Section 5a Action 3	CHAIRMAN John Menzies	<b>Asset Management</b> Chairman and John Menzies to document the funding contributions (to the Bridge Inspectors Competence project) offered by others	
BOF28 Section 5a Action 4	Graham Cole	<b>Asset Management</b> Graham Cole advised that work that Surrey County Council had undertaken was an example of using benefit:cost ratios to demonstrate the value for money of expenditure of major maintenance schemes. Graham was asked to send information on this case to John Menzies for distribution to BOF members.	
BOF28 Section 5b Action 1	Paul Foskett	<b>Research funding</b> Paul Foskett stated that UKRLG had submissions for 2010/2011 funding from all the Boards, but had not yet made any decisions. Paul was asked to forward an indicative research budget for next year.	
BOF28 Section 5b Action 2	Paul Foskett	<b>Research funding</b> Paul Foskett was asked to forward list of the current status of UKRLG projects.	

BOF28 Section 7	Peter Brown	<b>Asset valuation – LoBEG vs CIPFA</b> Members expressed concern that results would be highly dependent on the accuracy of assumed intervention intervals and on the quality of inspections. Peter Brown was asked to forward ‘Lifecycle and Financial Planning Presentation’ to the CHAIRMAN for circulation to BOF members	
BOF28 Section 8c Action 1	CHAIRMAN John Menzies	<b>Network Rail update (Risk-based inspection)</b> The CHAIRMAN volunteered to arrange for Stephen Pottle, Andy Phillips, Brian Bell and Gary Sterritt (Atkins) to present a summary of work at a future BOF. John Menzies was asked to produce a summary of risk-based assessment research from last 5-10 years, with input from those involved.	
BOF28 Section 8c Action 2	Paul Foskett	<b>Network Rail update – contractual issues</b> Brian Bell described problems with contractual arrangements on a partnership project with the Highways Agency (HA), highlighting the difficulty of ensuring that all contributors received proportionate control over the work. Paul Foskett offered to raise these concerns with his procurement team.	
BOF28 Section 8g	CHAIRMAN	<b>US Scanning Tour</b> The CHAIRMAN reported that the US scanning tour had produced list of areas of interest, which he would distribute.	
BOF28 Section 9b	Neil Loudon	<b>Action plan post Minnesota Bridge Collapse</b> Neil Loudon presented the HA's current work to investigate vulnerable structures. Neil Loudon to forward edited presentation to CHAIRMAN for distribution.	
BOF28 Section 10	CHAIRMAN	<b>Other Research</b> The CHAIRMAN tabled a draft version of a ‘Guide to Bridge Technology’ from Australia, and offered to put it online in the private area. The final version will be made public when it is available.	

## Actions remaining from previous BOFs

Item	Action By	Action Required	Completed
BOF27 Section 5	CHAIRMAN	<p>BOF 28 Draft Minutes</p> <p>The new BOF Terms of Reference had not been submitted to the UK Bridges Board.</p> <p>BOF 27 Minutes</p> <p>It was agreed that these new Terms would be submitted for the consideration of the UK Bridges Board.</p> <p>Action: CHAIRMAN</p>	
BOF27 Section 9	CHAIRMAN	<p>BOF 28 Draft Minutes:</p> <p>Stuart Matthews had not yet been invited to make a presentation on Concrete Repair at a BOF meeting. Neil Loudon suggested that John Fairley (secretary of the Concrete Repair Association/Corrosion Prevention Association) could provide input, and highlighted a new Concrete Society report 'Repair of concrete structures with reference to BS EN 1504' in this area. Both are to be added to the list of possible speakers for future BOF meetings.</p> <ul style="list-style-type: none"> <li>•</li> <li>•BOF 27 Minutes</li> </ul> <p>It was thought it would be useful to invite Stuart Matthews to make a presentation on this subject at a future BOF meeting.</p> <p>Action: CHAIRMAN</p>	
BOF27 Section 10e	John Menzies	<p>BOF 28 Draft Minutes:</p> <p>The CSS draft report on Repair of Masonry Arch Bridges had not been distributed to members; John Menzies was asked to arrange for it to be put on the private area of the BOF website.</p> <p>Action: John Menzies</p> <ul style="list-style-type: none"> <li>•</li> <li>•BOF 27 Minutes:</li> </ul> <p>Graham Cole presented his tabled paper 'CSS Research on the Assessment of Masonry Arch Bridges'. Some disappointment was expressed that the control of the work following the views expressed by Bill Harvey had been lost to BOF but it was indicated that the main aim of the County Surveyors Society had been to move the debate on. It was agreed that Graham Cole will arrange for the draft report to be distributed to interested BOF members for comment as follows:</p> <p style="padding-left: 40px;">Rod Howe Brian Bell John Clarke Bill valentine Ronnie Wilson Albert Daly</p> <p>Action: Graham Cole</p>	

Item	Action By	Action Required	Completed
BOF26 Section 12	CHAIRMAN	<p>BOF 28 Draft Minutes:            Brian Bell's comments on the Montreal collapse report had not been distributed to BOF members.            Action: CHAIRMAN</p> <p>BOF27 Minutes:            Actions had been completed apart from:            Minute 1: The issues of concern to Network Rail            ACTION: Brian Bell</p> <ul style="list-style-type: none"> <li>•</li> <li>•BOF 26 Minutes:            It was agreed that Brian Bell's comments on the summary of the Montreal collapse report – email to Chairman: 2 June 2008 – would be distributed to BOF members and the subject would be included on the Agenda for BOF27. The possibility that BOF might a position paper on this subject was mooted.            Action: CHAIRMAN</li> </ul>	