

[REDACTED]

From: [REDACTED]
Sent: 30 January 2013 11:21
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: GW0 364- A12 Bury Lane Monitoring
Attachments: SKMBT_42313013011150.pdf

[REDACTED]

Attached signed GW0 364

[REDACTED]

From: [REDACTED]
Sent: 29 January 2013 12:16
To: [REDACTED]
Cc: [REDACTED]
Subject: GW0 264- A12 Bury Lane Monitoring

[REDACTED]

Please find attached GW0 364 for A12 Bury Lane and Station Road Monitoring scheme that Chris Sadler's team is involved with.

I'd be grateful if you could review and approve at your earliest opportunity.
Many thanks

[REDACTED]

This email and any attached files are confidential and copyright protected. If you are not the addressee, any dissemination of this communication is strictly prohibited. Unless otherwise expressly agreed in writing, nothing stated in this communication shall be legally binding.

The ultimate parent company of the Atkins Group is WS Atkins plc. Registered in England No. 1885586. Registered Office Woodcote Grove, Ashley Road, Epsom, Surrey KT18 5BW. A list of wholly owned Atkins Group companies registered in the United Kingdom and locations around the world can be found at <http://www.atkinsglobal.com/site-services/group-company-registration-details>

Consider the environment. Please don't print this e-mail unless you really need to.

This email was received from the INTERNET and scanned by the Government Secure Intranet anti-virus service supplied by Cable&Wireless Worldwide in partnership with MessageLabs. (CCTM Certificate Number 2009/09/0052.) In case of problems, please call your organisation's IT Helpdesk. Communications via the GSi may be automatically logged, monitored and/or recorded for legal purposes.

GW0 No.	364
---------	-----

Scheme Title	A12 Bury Lane and A12 Station Road Bridge Monitoring	
File Reference	A 04 07 364	
Date	28/01/2013	(Submitted to HA for Consideration by Project Sponsor)

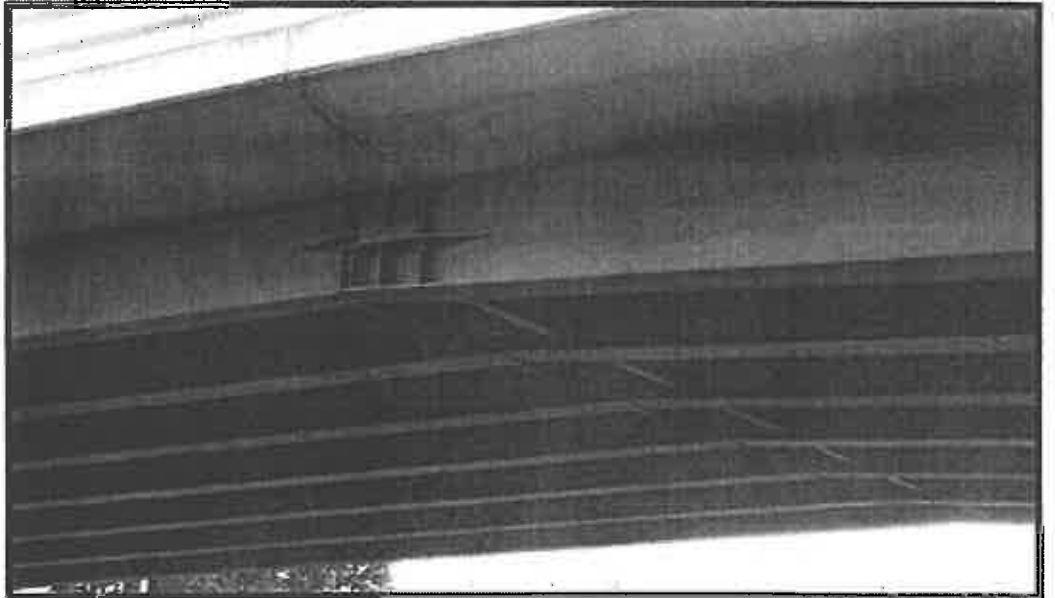
Location Plan	<p>A12/50.0 Bury Lane Bridge (Structure Key 5826)</p>
Overview of Proposed Scheme	<p>A12 Bury Lane bridge is a three span steel concrete composite structure, the centre spans is a 'drop-in' span with steel half joints. Allowance for expansion is provided at the western half joint over the A12 northbound carriageway. The expansion half joint becomes locked up during summer months due to reasons to be identified/confirmed.</p> <p>It is proposed that monitoring equipment is installed to better understand the nature and impact of the issue. The monitoring equipment will be structural, and will help to establish whether any movement has stabilised, and whether stresses applied due to thermal expansion are having any significant detrimental impact.</p> <p>Once installed, monitoring equipment will allow 'remote' monitoring. The collection, collation, and interpretation of the data will be carried out by a specialist, who will issue a report detailing findings periodically. Formal reports will be issued to the HA on a 12 monthly (yearly) basis. These reports will be uploaded into SMIS.</p> <p>Further monitoring equipment will be installed at the adjacent and structurally similar Station Road Bridge, to act as a 'control' for comparison when analysing data.</p>
Justification for the Work	<p>Monitoring has been proposed in lieu of major works to remedy the structural problems at Bury Lane. The monitoring will establish whether the movement is ongoing and of significant concerns, or conversely whether the bridge has stabilised.</p>

Preliminary VM Score (SMIS Maintenance Action Score)	N/A			
Risks associated with non delivery	It is agreed that monitoring equipment shall be installed within the 2012/13 financial year, such that the monitoring regime can be established thereafter. The main risk of non-delivery is not being able to understand how the bridge is moving and hence inability to assess future structural risks.)			
Deliverables	Monitoring systems to A12 Station Road and A12 Bury Lane bridges. Periodical monitoring reports.			
Indicative Cost Estimate of the Scheme	[REDACTED] A12 Bury Lane [REDACTED] [REDACTED] A12 Station Road [REDACTED]			
Proposed Programme	Monitoring equipment to be installed in 2012/13 and 2013/14, refer to Annual Plan Programme. Ongoing monitoring thereafter in future financial years.			
Notes:				
Next Step	Recommendation of next step.		Estimate (£)	Tick (✓)
	Include in Feasibility PIN. MP87058	In Year Programme		<input type="checkbox"/>
		Future Programme		<input type="checkbox"/>
	Include in Inspection Access Improvements PIN.....	In Year Programme		<input type="checkbox"/>
		Future Programme		<input type="checkbox"/>
	Include in Bridge Joint Replacements PIN.....	In Year Programme		<input type="checkbox"/>
		Future Programme		<input type="checkbox"/>
	Include in DCP over £5k PIN.....	In Year Programme		<input type="checkbox"/>
		Future Programme		<input type="checkbox"/>
	Include in Small Works PIN.....	In Year Programme		<input type="checkbox"/>
		Future Programme		<input type="checkbox"/>
	Include in Theft and Unforeseen/s PIN.....	In Year Programme		<input type="checkbox"/>
		Future Programme		<input type="checkbox"/>
	Include in Structures Resilience PIN.....	In Year Programme		<input type="checkbox"/>
Future Programme			<input type="checkbox"/>	
Include in [REDACTED] Bury Lane Monitoring.	In Year Programme	[REDACTED]	<input checked="" type="checkbox"/>	
Include in [REDACTED] Station Road Monitoring.	Future Programme	[REDACTED]	<input checked="" type="checkbox"/>	

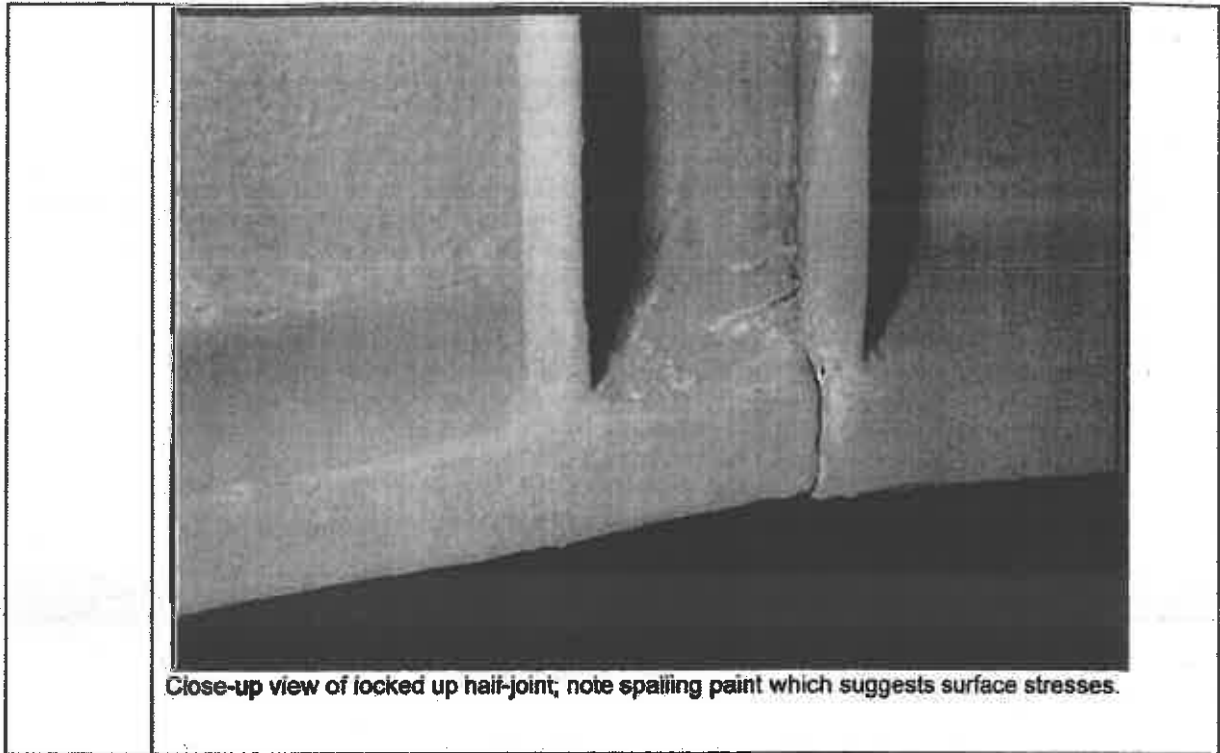
Photos



General view of structure, looking southbound



View of looked up half joint



Submitted on behalf of Atkins			Structures Asset Team Manager <i>LETTEL</i>	
	Signed	Print Name	Position	Date <i>28/1/13</i>

HA Project Sponsor notified.	Name:	Area:	Date:
------------------------------	-------	-------	-------

Comments From HA Project Sponsor / Asset Manager (if required):
*Monitoring to be installed on Bay lane.
 Monitoring @ Station road subject to funding & prioritisation of needs on the Network.*

Next Step Required (Sponsor to indicate)
No further work
Produce TRF1a

Agreed on behalf of the Highways Agency Sponsor			<i>ADT</i>	<i>30/1/13.</i>
	Signed	Print Name	Position	Date