

STIP 2					
Special inspection and testing of bridge bearings and associated steelwork					
Lambeth Bridge					
Vauxhall Bridge					
Battersea Bridge					
Twickenham Bridge (Land cells 1 and 4 only)					
					Total
Specialist (Mistras)	NDT testing of pin bearings/steelwork to Lambeth and Vauxhall bridges. To the areas identified on site on 27 July 2015		Sum	1	
Specialist (Mistras)	Provide rope/harness trained personnel for high level inspection and testing, including equipment/monitors to allow for remote inspection from boat deck level.		Sum	1	
Specialist (Mistras)	Produce factual report on completion of on site testing		Sum	1	
Livetts	Scheldemond 1 barge		day	5	
Livetts	Mob/demob of marine plant and equipment		day	2	
	Scheldemond 1 barge. Lock fees into and out of Tilbury dock		Sum	2	
Livetts	Safety boat in attendance, complete with crew (Dayshift rate Mon to Fri)		day	4	
Livetts	Safety boat in attendance, complete with crew (Nightshift rate Mon to Fri)		day	4	
Livetts	Safety boat in attendance, complete with crew (Dayshift rate Sat and Sun)		day	1	
Livetts	Safety boat in attendance, complete with crew (Nightshift rate Sat and Sun)		day	1	
Livetts	Craneage for lifting equipment on/off barge		Sum	2	
Livetts	Wharfage (Boat mooring and personnel access)		week	2	
Livetts	Arch closure signs 2no		week	2	
Labour	2 ops general duties inc, task lighting, cleaning, fuel, arch closure signage, transportation x 2 shifts/day		week	2	
Labour	2 ops on work boat, paint removal, surface preparation and general attendance during testing and visual		week	2	

	inspection x 2 shifts/day				
Labour	Labour - 4no Lead medicals prior to commencement		item	4	
Labour	Labour - 4no Lead medicals on completion		item	4	
Gen Plant	Compressor, jet wash, needle gun		week	2	
Gen Plant	Lighting, generator and fuel		week	2	
Gen Plant	General plant on/off costs		item	2	
Gen Plant	MEWP access		week	2	
Gen Plant	MEWP access on/off costs		item	2	
Gen Plant	Specialist welfare and accommodation		week	2	
Gen Plant	Welfare and accommodation on/off costs		item	2	
Gen Plant	Crew transport to/from Wharfage		week	2	
Gen costs	Small tools, life jackets, etc		item		
Gen costs	PPE, overalls, masks,etc for lead paint removal		item		
Gen costs	Materials for localised encapsulation of paint		item		
Gen costs	Disposal of lead paint and used PPE on completion		item		
Gen costs	Provision of oil booms and spill kits		item		
PLA	Notice to mariners [REDACTED] surcharge for 14 day notice period		item		
Gen costs	Twickenham Bridge - Provide 1 day confined space access to land cells 1 and 4 for visual inspection. Access to be via chambers in footpath at deck level or via access gates at tow path level		sum		
Staff	RS - PM		week	3	
	WH - Foreman		week	3	
	MA - Section Engineer		week	3	
	AG - [REDACTED]		week	3	
			Nett cost		
		Marine insurance @ [REDACTED]			
		Fee @ [REDACTED]			
		Total:			

Notes and assumptions:

The programme is based on working:

2 days at Lambeth Bridge to undertake paint removal and preparation works, NDT testing and high and low level visual inspections.

2 days at Vauxhall Bridge to undertake paint removal and preparation works, NDT testing and high and low level visual inspections.

1 day at Battersea Bridge to undertake high and low level visual inspections only.

Detailed costs above are for the river based activities associated with inspection and testing of the bridge bearings and adjacent steelwork as identified on site on 27 July 2015 and as detailed in the Atkins Specification document issued on 31 July 2015.

No costs included above for *Contractor*. The above is based on their continued employment by *Employer*

Atkins to provide the necessary personnel/supervision to identify the exact locations of the areas to be prepared for NDT testing on each bridge.

The programme and costs detailed are based on fair weather working, no allowance has been included for 'standing time' associated with adverse weather/tidal conditions.

Port of London NTM application cost included above

No costs are included for any other consents/licences that may be required

STIP 2 - DRAFT Bearing Inspection and Testing Programme 29 July 2015

ID	Total Slack	Task Name	Start	Finish	Duration	
						August September
						M E B M E B M E
1	0 days	STIP 2 - Lambeth, Vauxhall and Battersea Bridges - Bearing Inspection and Testing	Mon 13/07/15	Wed 02/09/15	37 days	
2	0 days	Key Dates	Mon 13/07/15	Wed 26/08/15	33 days	
3	0 days	Initial meeting and review of Task Description document	Mon 13/07/15	Mon 13/07/15	1 day	
4	5 days	Place order with specialist contractor for inspection and testing, installation works	Tue 04/08/15	Tue 04/08/15	0 days	
5	5 days	TfL Procurement - Issue formal order for the works	Mon 03/08/15	Mon 03/08/15	0 days	
6	0 days	Inspection and testing site works complete	Wed 26/08/15	Wed 26/08/15	0 days	
7	2 days	Licences, approvals and medical testing	Fri 31/07/15	Tue 18/08/15	13 days	
8	0 days	Submit Notice to Mariners to PLA	Tue 04/08/15	Tue 04/08/15	1 day	
9	0 days	Notice to Mariners consent period	Wed 05/08/15	Tue 18/08/15	10 days	
10	22 days	BAM Personnel complete lead medicals in advance of the works	Fri 31/07/15	Fri 31/07/15	1 day	
11	0 days	Stage 1 - Preliminary Inspection	Mon 27/07/15	Mon 27/07/15	0 days	
12	0 days	Preliminary inspection	Mon 27/07/15	Mon 27/07/15	0 days	
13	0 days	Stage 2 - Develop Specification and Work Scope	Mon 27/07/15	Fri 31/07/15	5 days	
14	0 days	Develop specification and work scope for inspection and testing works	Mon 27/07/15	Wed 29/07/15	3 days	
15	1 day	Review and approve work scope	Thu 30/07/15	Fri 31/07/15	2 days	
16	7 days	Forward specification and work scope to specialists	Thu 30/07/15	Thu 30/07/15	1 day	
17	0 days	Stage 3 - Prepare Project Plan, Quotation and Method Statements	Thu 30/07/15	Wed 05/08/15	5 days	
18	4 days	Prepare project plan	Thu 30/07/15	Wed 05/08/15	5 days	
19	5 days	Prepare detailed quotation for inspection and testing works	Thu 30/07/15	Mon 03/08/15	3 days	
20	0 days	Develop method statements and risk assessments	Thu 30/07/15	Mon 03/08/15	3 days	
21	0 days	Stage 4 - Lambeth, Vauxhall and Battersea Bridges Bearing Inspection and Testing	Thu 06/08/15	Wed 26/08/15	15 days	
22	4 days	Specialist contractor mobilisation period	Thu 06/08/15	Wed 12/08/15	5 days	
23	0 days	Mobilise floating plant and equipment	Fri 14/08/15	Tue 18/08/15	3 days	
24	0 days	Lambeth Bridge - Undertake inspection and testing	Wed 19/08/15	Thu 20/08/15	2 days	
25	0 days	Vauxhall Bridge - Undertake inspection and testing	Fri 21/08/15	Mon 24/08/15	2 days	
26	0 days	Battersea Bridge - Undertake inspection and testing	Tue 25/08/15	Wed 26/08/15	2 days	
27	0 days	Stage 5- Produce Final Report (Inspection and testing)	Thu 27/08/15	Wed 02/09/15	4 days	
28	0 days	Detailed inspection and testing report (from specialist)	Thu 27/08/15	Fri 28/08/15	2 days	
29	0 days	Interpretative report (Atkins)	Tue 01/09/15	Wed 02/09/15	2 days	

