

## 4.0 Collaboration & Responsibilities

TfL Tunnels & Structures lead this project. They will be supported by PPD, the Technical Consultant (WSP/PB) and Contractor (Costain). Access for all site works will be organised by Costain.

Costain will provide the overall RAMS. WSP/PB will provide RAMS for their elements of work which will then be appended to the overall RAMS.

A list of responsibilities is contained in Appendix A.

## 5.0 Deliverables

The following milestones and timescales apply for the provision of the deliverables.

Deliverable	Key Milestone Date
Delivery programme and cost estimate	24 July 2015
Complete targeted investigations	17 August 2015
Reinstate cladding/access hatches	31 August 2015

## **Appendix A – List of Responsibilities**



TRANSPORT  
FOR LONDON  
EVERY JOURNEY MATTERS



WSP

PARSONS  
BRINCKERHOFF

**Westway Investigations - Scope Responsibility Matrix**

This document outlines the responsibility for delivering the scope items listed in the TfL briefs "Scope of Work for Targeted Investigations (WSP/PB)" from 30 July 2015 (Doc. Ref. ST130013-AMD-STR-ZZ-EP-KC-0001 Rev02) and "Scope of Work for Targeted Investigations (Costain)" from 30 July 2015 (Doc. Ref. ST130013-AMD-STR-ZZ-EP-KC-0002 Rev02). It also lists in sequence the principle tasks required with the allocation of responsibility.

Each item is closed with WSP|PB providing the inspection report (field records as a minimum) to TfL.  
Costain will provide lighting and welfare as appropriate.

All waste will be taken back to Hammersmith to place into skips and disposal off-site

RAMS to be provided for all activities

All daily, factual and interpretative reports will be provided by WSP/PB.

Scope owner/responsibility:	
TfL	Costain
Waterproofing and top of deck inspection/testing requirements	
Agree TM with Graeme Oddy	
Confirm final location of trial holes	
	Install and remove TM
	Break out asphalt to waterproofing
	Remove waterproofing
	WSP PB to inspect waterproofing
	WSP PB to inspect concrete surface, carry out cover meter survey, carbonation testing including drilling required holes
	Break out concrete to expose reinforcement if required
	Inspect reinforcement
	Repair concrete
	Reinstate waterproofing if time allows
	Apply tack coat if required





TFL		Scope owner/responsibility:	
		Costain	WSP PB
		Clean area and remove barriers Place Herras fence panels around Scissor Lift/MEWPs when stored for next day use	Issue daily report on findings
<b>Investigation and testing of structural steelwork elements</b> (Section 6, concurrent with bearing and paint inspections) Provide pre-construction information		Install TM Bring MEWP into position	
		Remove MEWP Remove TM	Inspect steel and make records Check if the portal legs are retaining water.
<b>Paint inspection and testing</b> (Section 6 - concurrently with bearing and steel inspections) Provide pre-construction information		Install TM Bring MEWP into position	Issue daily report on findings
		Remove MEWP Remove TM	Undertake visual inspection of steel portals that are within the TM Inspect paint and make relevant records Take paint sample.
<b>Investigation, testing and assessment of concrete half joints</b> Provide pre-construction information		Install TM Bring MEWP into position	Issue daily report on findings

Scope owner/responsibility:	
TfL	WSP PB
	Costain
	Inspect half-nib joint with endoscope
	Remove MEWP
	Remove TM
	Issue daily report on findings

## **Appendix B – Bearing Inspection Proforma**

### Inspection Details

<b>Structure</b>	
<b>Name of inspector</b>	
<b>Date of inspection</b>	
<b>Weather conditions and temperature</b>	
<b>Access details to bearing</b>	

### Bearing Details

1	Location of bearing (if in doubt take a photo of the abutment/pier and surrounding area so this can be deduced back in the office)	
2	Type of bearing (ie. pot, spherical, guided, free etc)	
3	Manufacturer's mark if visible	
		Note items 4-5 should give sufficient detail to enable feasibility of options for replacement bearings, temporary works and jacking arrangements to be assessed and production of a design specification.
4	Clearance height between soffit and shelf	
5	Identify jacking points and measure their dimensions including gap between bearings, spacing to back of shelf and front of abutment etc. (See QEII example, sketch may be appropriate)	
6	Bearing dimensions including plan and height, and may be used to identify the existing bearing type and manufacturer	

**Bearing condition**

7	Condition of PTFE					
	1	PTFE wear including signs of dust, ptfе shavings and cold flow				
	2	If PTFE wear present, is it uniform over bearing?				
	3	Any evidence of bearing having seized?				
8	Condition of elastomeric pad					
	1	Any evidence of elastomer leakage/bulging?				
	2	POM seal or dust seal worn or broken? (if present)				
9	Gap measurements see p5 for sketch showing details (Feeler gauge to project 10mm into gap)		N	S	E	W
	1	S1 (sliding gap)				
	2	S2 (tilting gap)				
10	Condition of sliding surfaces					