

- Concrete Repairs to Structures
- Brickwork Repairs to Structures
- Timber Repairs to Structures
- Steelwork Repairs to Structures
- Preparation & Application of Protective Coating Systems to Structures (Metallic & Masonry)
- Vegetation Clearance from Structures
- Guttering & Downpipe Repairs & Alterations
- Control of Water Seepages by Grouting
- Cable Support Repair and/or Replacement (Brackets, Troughs, Gantry & Posts)
- Installation of Pigeon Deterrent Measures
- Bridge Drainage Maintenance
- Scaffolding / Temp. Works Installation
- Intrusive Surveys to Civils Assets
- Fabrication & Installation of Asset ID Plates
- Materials Testing / Lab Testing
- Completion of Civils Designs (Consultants)
- Installation of Various Monitoring Regimes to Assess Asset Performance & Condition.
- Facility to assure the quality of works (paint tests, weld test, concrete tests, etc)
- Design and build of small to medium sized Civil Assets
- Waterproofing and weather proofing works
- Waste removal
- Pest Control
- Signage repair/renewal
- Fence maintenance over three metre and renewal
- Tree Works/ Third party tree works/ wind event mitigation support
- Survey, Inspection and consultancy

3. Corrective Services

- 3.1 The Supplier is to provide a detailed and compliant programme to the Company detailing the critical path(s) and dependencies to deliver the contracted requirements.
- 3.2 The Supplier shall include in all cases, where appropriate, hold points for delivery for compliant standards of workmanship.
- 3.3 It is expressly required that Suppliers visit the sites designated for repair prior to submitting their tender.
- 3.4 All specifications and instructions for the required 'Corrective' scope activities will be defined by the Company and included within the 'scope document' included within the tender pack.
- 3.5 For each specific scope/brief, the Supplier must have in place prior to any works commencing, an approved and compliant; Method Statement, Site Risk

Assessment and any other assurance documents that may apply to the works, for example, in some cases, an approved 'Temporary Works Design' will be required for enabling works to commence.

- 3.6 Dependant on the nature of the works, the Supplier is responsible to make adequate and appropriate checks throughout the works for any environmental requirements such as; noise, hazardous waste transfer, etc. All environmental allowances must be assessed and appropriately allowed for by the Supplier to ensure compliance with legislation and standards throughout.
- 3.7 Any deviation(s) to the contracted scope of work(s) need to be agreed with the Company prior to any changes taking place. Any deviation(s) need to be identified by the Supplier and formally communicated with the Company through the 'contract variation processes. The variation submitted by the Supplier needs to be compliant and include all relevant details (costs, programme impacts, etc.) to enable the Company to decide and advise on the next steps.
- 3.8 Where required, Shift reporting by the Supplier needs to be compliant with the agreed format presented by the Company. The shift report should identify the progress made, resources utilised during the shift and any issues and/or concerns identified during the shift. Shift reporting needs to be received within the timescales agreed with the Company and no later than 12Hrs of the shift being completed.
- 3.9 The Supplier shall notify the appropriate Company Representative of any regulatory concern or sub-standard act by the end of the shift, and shall submit to the Company an Initial Findings and Improvement Measure Report within 24 hours of any Near Hit raised.
- 3.10 For each shift, the appropriate quality, assurance and inspection records must be taken by the Supplier and kept as a record of the quality and workmanship recorded on site and for each shift, and shall be included in the Health and Safety File. The specific format of these records must be agreed with the Company at the start up meeting pre-works.
- 3.11 On completion of the works, the Supplier shall provide the Company with a set of digital, date stamped images of the asset and associated works that are taken; before, during and after every key element of the corrective maintenance interventions and include this along with a written report within the Handover Document and/or completion certificate.
- 3.12 Once works have been completed, a joint sign off of a completion cert between the Supplier and appropriate Company Representative should be facilitated, but acceptance of the works and project close out will only be considered as 'fully completed' on receipt of a complete Health and Safety File that has been acceptance by the Client.
- 3.13 All works are subject to a 12 month defect liability period.

4. Location of Works

- 4.1 The Corrective Works covered under this scope will generally lie within the core London Underground boundaries and property schedules. These property

schedules and plans will be provided to the Supplier to allow for a full assessment of the areas covered under this scope of works.

- 4.2 For some London Underground boundaries, third party interfaces apply such as; public highways, river crossings, private land, Network Rail Track, DLR Track, etc. For these interface areas, the Supplier is expected to manage the interface and consider any specific rules and/or requirements that may apply.

5. Hours of Work

Access will be obtained in accordance with the arrangements set out in Schedule 13 [Access Arrangements]. Compliance with these arrangements is mandatory.

6. Standards and Specifications

- 6.1 The Supplier shall deliver the Services to meet the requirements of the Terms and Conditions of Contract – Schedule 1.
- 6.2 The Supplier shall deliver the Corrective Maintenance Works in accordance with all relevant standards and specifications; this includes but is not limited to, London Underground Standards, British Standards, Building Regs, National Standards and Eurocodes.
- 6.3 It is the responsibility of the Supplier to ensure that the Standard applied to the scope of work is relevant at the time of undertaking the work.

7. Skills and Competencies

- 7.1 The Supplier's personnel shall be fully trained, experienced and competent to meet the requirements of this Scope of Services. Such training, including any subsequent refresher training shall be at the Supplier's expense. It is the Suppliers responsibility to ensure that adequate training is maintained for its staff allocated to this scope of services and throughout the life of the contract.
- 7.2 The Supplier shall formally submit to the Company all Training & Competency matrices for its staff allocated to this scope of services. These matrices shall be submitted quarterly.
- 7.3 The Supplier shall only employ the services of a sub-Supplier once the Company has been informed formally of the intention for delivering the works through this route and the relevant certification and competency to carry out the works is evidenced by the main Supplier. The main Supplier is wholly responsible for the performance of the sub-Supplier to meet the scope of works and specification as set out by the Company.

8. Plant and Equipment

- 8.1 The Supplier shall deliver the Services to meet the requirements of the Terms and Conditions of Contract – Clause 2.9

9. Quality & Compliance Inspections

- 9.1 The Company will carry out quality inspections of Corrective Services completed by the Supplier in accordance with Schedule 12 [Performance].
- 9.2 The Company shall carry out routine Health & Safety audits on the Supplier whilst works are being delivered 'on-site'. The audits will assess all 'procedures and processes' being carried out to ensure that, as a minimum, compliance is achieved against the standards and specifications.
- 9.3 The output of the Company HSE audits will give a consolidated score which will determine the level of compliance. This will then be aligned to 3 achievement ratings; 'Below Compliance', 'Compliant' and 'Good Practice'.
- 9.4 The HSE audit scores form part of the Contract 'Key Performance Indicators' and are reviewed each period and discussed at the Supplier Periodic Review Meetings. Below is a summary of the 'Key Performance Measures' that are assessed each period.

- ✓ **Health, Safety, Quality and Environment** (Assessment of practices in line with business compliance and legislation)
- ✓ **Tendering** (Assessment of the quality & compliance of tenders received)
- ✓ **Assurance** (Assessment of the quality & compliance of assurance management)
- ✓ **Cost Management** (Assessment of the quality & compliance of cost management)
- ✓ **Service Quality** (Assessment of the overall Service Quality)
- ✓ **Work Planning (Progress Vs Plan)** (Assessment of the delivery of works in accordance with the contracted programme)
- ✓ **Reporting** (Assessment of the quality & compliance of reporting)
- ✓ **Service Delivery** (Measure of the quality & compliance of Service Delivery)
- ✓ **LUL Interface** (Assessment of the overall quality of LUL interfaces)

10. Asset Management System

- 10.1 The Supplier shall use the Asset Management Systems to record details of work undertaken by the Supplier on the Company's assets as part of the Services and to carry out any other activities in relation to the Asset Management System as set out in the Specification.

10.2 The Supplier shall ensure that all Supplier Personnel attend any training by the Company in relation to the Asset Management System and follow the methods and processes required by the Company, as may be more particularly described in the Specification or notified to the Supplier from time to time.

10.3 The Supplier shall perform its obligations under this Clause **Error! Reference source not found.** so as not to put the Company in breach of any of its obligations under any Third Party Licence and shall comply with the terms of any Third Party Licence as if it were a party to the Third Party Licence.

10.4 The supplier acknowledges that the company shall not have any liability to the Supplier in respect of any inaccuracy, error or omission contained in, or any unavailability of the Asset Management System, and the Supplier shall not be relieved of its obligations under this Contract as a result of the Asset Management System being unavailable or containing any inaccuracies, error or omissions.

**Annex A
Company Asset Base Subject to 'Corrective Maintenance' Scope**

JNP - Bridges & Structures (B&S)

Asset Type	Line Total Asset Base			Total
	Jubilee	Northern	Piccadilly	
Cables and Pipe Bridges	33	26	16	75
Foot Bridges	34	55	61	150
Over-Bridges	20	24	26	70
Under-Bridges	27	50	39	116
Viaducts	5	11	15	31
Chimney Masonry	0	1	1	2
Covered Way	3	1	6	10
Culverts	8	9	2	19
Disused Station	0	4	5	9
Escalator Machine Room Steelwork	72	27	18	117
Escalator Support Frame	131	54	44	229
Girdering	33	52	61	146
Linear Staircase	20	15	9	44
Load Gauge	1	1	3	5
Pipe Crossing Under The Track	27	17	20	64
Pipe Crossing Over The Track	1	0	1	2
Roof Structure Support	16	13	28	57
Shaft	0	2	1	3
Shaft Cable	2	15	7	24
Shaft Disused	2	6	11	19
Shaft Lift	0	16	7	23
Shaft Pump	13	4	13	30
Signal Gantry	12	3	12	27
Spiral Stairway	1	20	11	32

Asset Type	Line Total Asset Base			Total
	Jubilee	Northern	Piccadilly	
Stations: Buildings	0	0	0	0
Stations: Platforms	64	88	78	230
Stations: Platforms Canopy	23	22	28	73
Sub-Station Premises	1	1	3	5
Sub-Station	0	0	0	0
Subway	4	7	5	16
Brick Tunnel	4	0	0	4
Ventilation Plant	35	52	61	148
Ventilator	11	0	7	18
Boundary Wall	2	1	1	4
Dry Stone Wall	3	3	0	6
Gabion Wall	24	29	14	67
Retaining Wall Over 1m	64	164	124	352
Retaining Wall under 1m	23	12	9	44
Station Entrance Canopies	16	13	13	42
Access Gantries	0	0	13	13
Lighting Standards	338	509	541	1388
Lighting Masts	2	16	17	35
Lighting Towers	1	1	0	2
Flood Gates	2	58	32	92
Cable Posts	26	43	37	106
Cable Stiles	2	2		4
Water Tower	0	0	1	1
Total	1106	1447	1401	3954

JNP - Earth Structures (ES)

Asset Type	Jubilee	Northern	Piccadilly	Total
Cuttings (km)	9	17.15	21.4	47.55
Embankments (km)	8	11.1	13.1	32.2
Total	17	28.25	34.5	79.75

JNP - Deep Tube Tunnels (DTT)

DTT Asset Type (No.s)	Jubilee	JLE	Northern	Piccadilly	Total
Platform or Concourse Tunnels	6	7	125	55	193
Station Passageway Tunnels	15	29	422	211	677
Running Tunnels	15	20	103	55	193
Cross Passages Between Running Tunnels	36	2	168	101	307
Step Plate Junctions	2	6	31	15	54
Crossover Tunnels	1	0	13	7	21
Overrun Tunnel	0	0	0	1	1
Siding Tunnel	0	0	9	6	15
Inclined Shafts	2	3	45	12	62
Vertical Shafts	18	28	135	78	259
Disused Tunnels	0	0	10	6	16
Disused Shafts	0	0	12	10	22
Other Tunnels	0	0	35	9	44
Total (No. Of Assets)	95	95	1108	566	1864

NOTE: The above asset volumes are the entire JNP asset base and the specific individual assets out of the above groups and types will be selected by the Company in each year for Corrective Interventions.