

		shift document set.
Grease Contamination of Rail Head	/	The Contractor is responsible for managing the contamination of the rail head in accordance with the existing TFL railhead construction mitigation procedure.
Safety Tours		Safety Tours will take place every two (2) weeks, of which a report will be produced highlighting any recommendations/improvement actions along with agreed timescales for implication. A programme of Safety Tours will be provided to TFL. TFL will advise when they wish to attend Safety Tours.
Briefing Packs	TFL to sign off before issue to construction staff for briefing.	The contractor to provide Briefing Packs in accordance with TFL processes no later than 10:30 each day for approval. Following completion of works the contractor is to return completed briefing packs and site diaries to the designated TFL
Materials Supply (General)	All materials will be supplied by TFL and 'free issued' to the contractor except where otherwise required in the Package Specific Particulars.	The contractor will be responsible for arranging off site storage and management of the materials to site. The contractor is to provide a full and comprehensive list of all materials required before works commence either by agreeing to the material quantities supplied by TFL, or by adding to our list. After initial agreement to material quantities any additional materials requested by the contractor will be supplied by TFL at the contractors cost. Materials will be supplied in advance of the works; the contractor is to reject any materials deemed unsuitable before removal from TFL. Materials cannot be rejected once they have left possession of TFL.
Timber Products		Where relevant to the package drilling and counter boring of all pitblocks / sleepers must be carried out in accordance with the standards. Materials showing signs of splitting or degradation must not be installed.

Recyclable Materials		Where relevant to the work requested the Contractor must return recyclable materials such as NTF390 Baseplates, and temporary sleepers etc
Scrap Rail		Where relevant to the work requested he contractor is to allow for cutting scrap rail into a minimum of 17m lengths ready for removal by a scrap train. The contractor is also required to supply an additional price for cutting the rail into 0.5m sections, and removing from site by hand.
Concrete	Where relevant the standard concrete material issued by TFL will be BBTFL1515 (Tecroc) Concrete or equivalent authorised product. The preferred method of pouring concrete is a single pour. The contractors compliant bid should allow for this. The contractor may specify within their non compliant bid an alternative material.	
GRP Panels	Where relevant TfL will supply GRP panels free of charge.  TfL will have the panels cut to the dimensions provided by the Contractor and will have the panels available for collection from a named depot.	The Contractor will provide a survey of panel width requirements at least one week before the panels are required.
Plant Supply	All plant will be supplied by TFL except where required in the Specific Package Specification.	The contractor will be responsible for all plant on site. The Contractor will ensure that all plant is returned to stores, damage free, at the end of each shift.
Vehicles		The contractor will supply all vehicles required to undertake their work. And shall comply with all Work Related Road Risk/ FORS requirements.
Welfare		The contractor will be responsible for supplying all welfare in accordance with HSE regulations for their staff.
Site Waste		The Contractor may remove waste to a specified TfL depot Lillie Bridge, Edgware, Finchley Central, Ealing Common, Stratford Depot , or to a Waste

		Disposal Facility (subject to Tfl Approval). Where a Waste Disposal Facility is used, Transfer notes must be supplied to TFL. The Contractor is to submit a SWMP for approval by TFL.
Cleaning		The Contractor is to leave the platforms, access and egress areas cleaned and ready for passenger use at the end of each shift. Cleaners are to remain on the platform to witness the first two trains run through site to ensure no further cleaning is required.
<b>Access</b>		
Define access routes liaise with stakeholders	TFL will liaise with the stakeholders and arrange access to sites through agreed routes and include lift and escalator licences as required.	The contractor will liaise with TFL to agree the access and will provide assurance that the agreed routes and access will be adhered to. Any withdrawal of the stakeholder's permissions due to non adherence by the contractor and additional costs or delay to programme will be bourn by the contractor.
Station Damage		A nightly inspection should be made by the contractor at the commencement of each shift, if any damages have occurred during Traffic Hours, a TFL representative and the Station Supervisor must be notified prior to start on site. The contractor is to record any damage regardless of fault.
Working Week	TFL aim to provide 5 out of 7 shifts in any given working week (Sun-Sat), subject to available access, and the availability of Support Services. TFL will be responsible for advising the contractor of any cancelled access.	The contractor is to undertake whatever steps are required to mitigate the effects of any cancelled access, this may include altering shift patterns. The contractor is to allow within their price for a non productive standing time of 30 minutes after the current has been switched off, and 30 minutes prior to the current being switched back on. All works are to be planned in accordance with the European Working Time Directive.
Night Tube	TfL will introduce all night running from September 2015 on Friday and Saturdays on the BCV and JNP line groups. This	Contracts should take notice of all night running when developing their Access Plans or assisting TfL with the same. Opportunities

	will also affect Sub Surface Lines where they touch the BCV and JNP lines.	for weekend possessions will be severely curtailed especially in the first quarter of Night Tube.
Delays to handback / over run risk	TFL reserves the right to stop works where there is risk of overrunning. Decisions will be made based upon the hold point plan as provided by the contractor. TFL will not incur any commercial penalties as a result.	The contractor shall propose how they will mitigate the risk of overrun. This will be reviewed and accepted by TFL and is a critical criteria for award of this contract.
<b>Management</b>		
Supervision	TFL will have a representative monitoring works	The Contractor will be responsible for supervising works on site, including management of performance, safety, quality and to ensure safe systems of work are in place.
Construction Quality	A weekly joint inspection is to be carried out by TFL and the contractor in order to assess quality.	
<b>Site Completion</b>		
Site walk with maintainer to establish snagging list	The management / supervisors for both TFL and the contractor will be responsible for undertaking the handback walk with the maintainer. This will establish the extent of snagging / completion and will result in an agreed scope of snagging works.	
Programming and management of snagging list completion		The Contractor will produce a fully resourced programme detailing completion of snagging / completion works for agreement by TFL. These works must be planned to be completed within three periods of practical completion.
Final Handback	Both parties will be responsible for final handback to the maintainer on completion of any outstanding / snagging works. The site must be returned to the maintainer within three periods of the programmed completion date.	
Return of surplus materials to stock		Any materials that are surplus to requirements either during or on completion of the works are returned to the stores specified by TFL so that they may be added to stock for re-issue.
Final As Built data/drawings		Where relevant the Contractor is to produce the As Built data and drawings for approval by TFL, prior to the award of practical completion. The as built data is to be taken from the survey spigots.

## Part 2 - General Preliminary Requirements

### 1. Status of this Section

1.1. These General Preliminary Requirements are part of the Specification and shall be read and construed jointly with the Specific Services Requirements contained in Part 1 of the Agreement. In the event of any conflict between the conditions contained in these General Preliminary Requirements and the Specific Services Requirements contained in Part 1, the latter will prevail.

### 2. Training and Certification

2.1. As a minimum, all Contractor Personnel supplied by the Contractor must be in possession of a current entry permit and induction passport to enable access to the Site.

2.2. Other training/certification may also be required for certain activities and/or where the Works are undertaken on or adjacent to the Underground Network.

For further information, the Contractor is referred to the Company's Standards found at [http://onespace.tfl.gov.uk/lu/\\_cms/default.aspx](http://onespace.tfl.gov.uk/lu/_cms/default.aspx)

2.3. The Contractor is responsible for all costs relating to training its Contractor Personnel.

2.4. All Contractor Personnel will be required to man-handle Equipment and Materials and must be trained in manual handling.

2.5. Where the Services require that Contractor Personnel are to use specific tools or mechanical equipment requiring trained Contractor Personnel it is the responsibility of the Contractor to ensure that such Contractor Personnel are appropriately trained and accredited. All accreditation must be current.

2.6. The Contractor shall be responsible for ensuring the currency and suitability of its Contractor Personnel's certification for the duration of the Agreement and any Contract.

2.7. Contractor Personnel must carry their passes, permits and certification at all times while on Site and must produce them on request by any member of the Company's staff or other authorised personnel.

### 3. Competency Management System

3.1. The Contractor shall operate and maintain a competency management system meeting the requirements set out in the Company's Competency Management System Procedure found at [http://onespace.tfl.gov.uk/lu/\\_cms/default.aspx](http://onespace.tfl.gov.uk/lu/_cms/default.aspx)

3.2. The Company reserves the right to audit the Contractor against the Company's Competency Management System Procedure included under Appendix G to this procedure having given reasonable prior notification.

### 4. Conduct

4.1. Where the Site is located on or in the vicinity of the Underground Network. The Contractor shall note that access to the Site for the Company personnel must be afforded at all times. The operation of railway traffic including public ways and adjoining properties must not be hindered in any way whatsoever. Insofar as and to the extent that it is within the

jurisdiction of the Contractor to control such matters, the Contractor must minimise disruption and interference to the operations in these areas.

4.2. The Contractor is required to make its own assessment of any vehicular traffic restrictions affecting its access to the Site. The Contractor must park considerately and ensure that its vehicles do not obstruct the use by the public or the Company's staff.

4.3. The Contractor shall instruct its Contractor Personnel to:

- i. keep the Site tidy and free of personal litter at all times;
- ii. keep the welfare provision in a clean and sanitary condition;
- iii. comply with the Company's PPE Policy;
- iv. comply with the Company's Smoking, Drugs and Alcohol Policy;
- v. restrict themselves to only those areas made available to them by the Company; and
- vi. not interfere with any railway plant or track except as required by the Works.

## **5. Personal Protective Equipment**

5.1 The Contractor is referred to the Company's PPE Policy found at [http://onespace.tfl.gov.uk/lu\\_/cms/default.aspx](http://onespace.tfl.gov.uk/lu_/cms/default.aspx)

5.2 PPE will not be free issue as stated in that policy. The Contractor will be responsible for the cost of all its Contractor Personnel's PPE. Framework agreement for the supply of track labour

5.3 The Contractor is to note that certain items of PPE will be dictated by the nature of the Works to be undertaken and the Contractor must consider this when evaluating the Specific Services Requirements set out in Part 1.

## **6. Smoking, Drugs and Alcohol Policy**

6.1 The Contractor is referred to the Company's Drugs and Alcohol Policy is found at [http://onespace.tfl.gov.uk/lu\\_/cms/default.aspx](http://onespace.tfl.gov.uk/lu_/cms/default.aspx)

## **7. Standards**

7.1. The Contractor shall comply with all of the relevant Company's Standards (which the Contractor confirms it has access to) including but without limitation:

- vii. The Construction Health & Safety Plan;
- viii. London Underground Limited Rule Book;
- ix. The Company's Engineering Instructions;
- x. The Company's Policy on Health and Safety; and
- xi. The Company's Code of Practice: Fire Safety of Materials used in the Underground.

The Contractor will be deemed to be fully conversant with their requirements and provisions and the Company will not entertain any claim for want or lack of knowledge in this respect.

7.2 It is the Contractor's responsibility to ensure that it maintains the currency of its knowledge of the above Standards and the Company shall, at the Contractor's request, provide the Contractor with access to the Standards in electronic form via the internet ([http://onespace.tfl.gov.uk/lu\\_/cms/default.aspx](http://onespace.tfl.gov.uk/lu_/cms/default.aspx)).

At its discretion the Company may also issue the Construction Health and Safety Plan in CD Rom format.

## **8. Electrical Testing**

8.1. Where the Specification stipulates the Services include the testing of electrical installations, whether the installations are undertaken by the Contractor Personnel or otherwise, the Contractor shall have corporate membership of either the Electrical Contractors Association (“ECA”) or the National Inspection Council for Electrical Installation Contracting (“NICEIC”).

8.2. The Contractor shall provide upon request evidence of its competence and current membership of the above named organisations.

8.3. Company approval of the membership and competence evidence is a necessary prerequisite to the engagement of labour from the Contractor to undertake electrical installations under the Agreement and any Contract.

8.4. Once labour supplied by the Contractor is engaged to undertake testing of electrical installation works the Contractor must inform the Company at the earliest possible opportunity should it cease to have competence and/or cease to have membership of any of the above named organisations for whatever reason.

## **9. Workmanship**

The workmanship of Contractor Personnel supplied under the Agreement and any Contract shall comply with all relevant current codes of practice, British standards and the like consistent with the level of certification, qualification and skill.

## **10. Additional Equipment and Materials**

10.1. All Additional Equipment and Materials supplied under the Agreement and any Contract must be fit for the intended purpose and comply with all relevant current codes of practice, British standards and the like.

## **11. Work Schedules and Site Records**

11.1. Weekly and Daily / Nightly Work Schedules are a management tool to enable the Company to monitor and measure its construction managed outputs. They are designed to enable the Company to better plan its construction managed work and provide data to better inform the Company of its resource requirements. The Contractor shall afford the Company all necessary assistance in the operation of these Schedules and, as a minimum, the assistance described in this Clause 11.

11.2. At the commencement of each working week the Contractor’s Representative shall agree with the Company’s Representative the extent and scope of work to be undertaken over the period. This work scope shall be recorded on a Weekly Work Schedule / Resource Call Off Summary (see Appendix C) and on Daily / Nightly Work Schedules (see Appendix D). The work scope will be realistically planned and agreed by consent of both Parties.

11.3. At the end of each week the Contractor’s Representative shall agree with the Company’s Representative an assessment of the work achieved measured against that planned for the respective period.

11.4. All Weekly and Daily / Nightly Work Schedules shall be signed and counter-signed by the Parties to record the agreement.

Framework agreement for the supply of track labour

**APPENDICES**

**Appendix A: Weekly Works Schedule / Resource Call Off Summary**

**Appendix B: Daily / Nightly Work Schedule**

**Appendix C: Track Labour Tools**

**Appendix D: Competency and Training Matrices**

**Appendix A**

**Weekly Work Schedule / Resource Call Off Summary**



STATION NAME:		WEEKLY WORK SCHEDULE / RESOURCE CALL OFF SUMMARY							WENDING:	
DAY	DOB	TASK	STATION LOCATION (ADDRESS)	NAME	TRADE	START TIME	FINISH TIME	WORKS DESCRIPTION	START DATE	END DATE
MON										
TUE										
WED										
THUR										
FRI										
SAT										
SUN										

REPRESENTATIVE: \_\_\_\_\_ DATE: \_\_\_\_\_

CONTRACTOR REPRESENTATIVE: \_\_\_\_\_ DATE: \_\_\_\_\_

Framework agreement for the supply of track labour

**Appendix B**  
**Daily / Nightly Work Schedule**



STATION NAME:-			DAILY / NIGHTLY WORK SCHEDULE		DATE:.....		RESOURCES NUMBERS AND TYPE REQUIRED				
SHIFT	WBS	TASK	STATION LOCATION (ROOM)	WORKS DESCRIPTION	WORKS COMPLETED (Y/N)	GANG No.	RESOURCE TYPE				
							SPC	COMMS	ELEC	SKILLED OPS	OPS
DAY SHIFT											
NIGHT SHIFT											
SHIFT	WBS	TASK	LOCATION	WORKS NOT COMPLETED WITHIN SHIFT		GANG No.	RESOURCES REQUIRED TO COMPLETE				
DAY SHIFT											
NIGHT SHIFT											
CLIENT REPRESENTATIVE:..... DATE:.....					CONTRACTOR REPRESENTATIVE:..... DATE:.....						

Framework agreement for the supply of track labour

## Appendix C

### Track Labour Tools

The Contractor must ensure that the gang are equipped with the correct tools to carry out the Works every shift requires. The following list of tools and equipment is not exhaustive but is indicative of what the Contractor should ensure Contractor Personnel have available to carry out the track works required:

1	Keying Hammers
2	Hammer Ball Pein - fibre glass
3	Slewing Bars
4	Panpullers
5	Panlock Pullers
6	Pansetters
7	Picks
8	Shovels
9	Ballast Forks
10	Key Extractors
11	Spanners (Various)
12	Box spanner (screwspike & coachscrew)
13	Files - various engineering
14	Rail set
15	Rail Nips (Open section & Tube section)
16	Wire Brushes
17	Hand Auger
18	Bance Lights (battery)
19	Formworkers hand tools such as hammers, saws etc
20	Concreting hand tools such as chipping hammers, chisels, bolster, hammers,
21	Trowels and floats, buckets, mixer etc.

**Appendix D**  
**Competency and Training Matrices**

## Schedule 2 Form of Order

**Master Agreement for the provision of Works  
Contract Reference Number: TFL00249 Lot 2**

**THIS ORDER IS AGREED AND ENTERED INTO BY THE COMPANY AND THE CONTRACTOR PURSUANT TO, AND STRICTLY SUBJECT TO THE TERMS OF, THE ABOVE-REFERENCED MASTER AGREEMENT FOR THE PROVISION OF WORKS.**

**Notes:**

1. Please confirm receipt of this Order immediately by signing and dating where indicated and returning to the Company.
2. Please quote the Contract Reference Number and the Order number in all correspondence and on all applications for payment.
3. Please address all correspondence and enquiries to the Company.

<b>Company:</b>	
<b>Contractor:</b>	
<b>Contract Reference Number:</b>	
<b>Order Number:</b>	
<b>Order Title:</b>	
<b>Company's Representative: Address for service of notices: Telephone:  Fax: Email (if applicable):</b>	
<b>Contractor's Representative: Address for service of notices: Telephone:  Fax: Email (if applicable):</b>	
<b>Email to be used for notices and communications pursuant to clause 1.2(c):</b>	<b>Yes / No (delete as applicable)</b>
<b>Order Completion Date:</b>	
<b>Order Programme:</b>	
<b>Order Price (exclusive of VAT) calculated in accordance with Schedule 4:</b>	
<b>Order Payment Profile and application for payment dates:</b>	<b>Please see Schedule 4</b>
<b>Order Specification:</b>	
<b>The Site is:</b>	
<b>The CDM Regulations apply to the Works</b>	<b>Yes / No (delete as applicable)</b>
<b>The Contractor is appointed as principal</b>	<b>Yes / No (delete as applicable)</b>

<b>contractor under the CDM Regulations</b>	
<b>The Contractor is appointed as principal designer under the CDM Regulations</b>	<b>Yes / No (delete as applicable)</b>
<b>The Contractor's professional indemnity insurance shall be:</b>	<b>As stated in Clause 17.2iii / not less than £(insert level required) in the aggregate per annum / not required (delete as applicable)</b>
<b>Bond required pursuant to clause 34.1:</b>	<b>Yes / No (delete as applicable)</b> <b>If yes, and the credit protection is not as stated in clause 33.2, it shall be for the following amount: [ ] [% of the Order Price].</b>
<b>Parent company guarantee required pursuant to clause 34.1:</b>	<b>Yes / No (delete as applicable)</b>
<b>The following Contractor Personnel are Key Personnel:</b>	
<b>The Contractor's total liability to the Company under Clause 17.6 is:</b>	
<b>The Contractor shall be responsible for design of the following elements of the Works (the "Designed Portion"):</b>	<b>[insert details or works] / [The Contractor has no responsibility for design and the provisions of Schedule 10 shall not apply] (delete as applicable)</b>
<b>Additional Comments/Special Instructions:</b>	

**Signed by:**  
**Title:**  
**On behalf of:**  
**London Underground Limited**  
.....  
**Date:**.....

**Signed by:**  
**Title:**  
**On behalf of:**  
.....  
**Date:**.....

**Schedule 3**  
**Form of Order Completion Certificate**

**Certificate of Completion of the Works**

**[INSERT DESCRIPTION OF THE CONTRACT] Date:**

**Issued by:** [the Company]  
**Address:** Windsor House  
42-50 Victoria Street  
London SW1H 0TL

**Contractor:**  
**Address:**

**Works:**

**Situated at:**

**Order Title:**  
**Order No:**

**Commencement Date:**

Pursuant to Clause 5.1 of the Conditions of Contract:

I certify that the works have reached completion on:

Signed: .....  
Company

Date: .....

The Defects Liability Period is 12 months after issuance of this Completion Certificate.

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Distribution: Original to:  Contractor

Copies to:  Company

**Schedule 4**  
**Rates and Prices**

**Lot 2 - Lump Sum Work Packages  
Pricing Schedule - YEAR 1**

56024		SHIFT RATE*			
TABLE 1 - Labour - Track General		A	B	C	D
	LU Comments	Price per WEEK shift £	Price per WEEKEND shift £	Price per BANK HOLIDAY shift £	Price per CHRISTMAS DAY & NEW YEARS DAY shift £
1-01	Skilled Track Operative	118.00	118.00	177.00	236.00
1-02	Track Operative	n/a	n/a	n/a	n/a
1-03	Labourer	n/a	n/a	n/a	n/a
1-04	Chargehand (supervisor)	200.00	200.00	300.00	400.00
1-05	Rail Stressor Operative Level 1 (restoration)	300.00	300.00	450.00	600.00
1-06	Rail Stressor Operative Level 2 (Plain line)	300.00	300.00	450.00	600.00
1-07	Rail Stressor Operative Level 3 (points & crossings)	300.00	300.00	450.00	600.00
1-08	Banksman slinger	200.00	208.00	312.00	520.00
1-09	T001 Track patrolling Inspector	200.00	200.00	300.00	400.00
1-10	Track handback T002/3 (Repaired & modified)	272.00	272.00	408.00	544.00
1-11	Carpenter (track site works)	165.00	190.00	237.50	330.00
1-12	Electrician (track site works)	165.00	190.00	237.50	330.00
1-13	PM3 Inspector	300.00	300.00	450.00	600.00
1-14	PM3 Inspector (TANC Approved)	300.00	300.00	450.00	600.00
1-15	PM4 Inspector	330.00	330.00	495.00	660.00
1-16	PM4 Inspector (TANC Approved)	330.00	330.00	495.00	660.00
1-16	PWT - Skilled P-way Supervisor	176.00	176.00	264.00	352.00

TABLE 2 - Support - Track General		Price per WEEK shift £	Price per WEEKEND shift £	Price per BANK HOLIDAY shift £	Price per CHRISTMAS DAY & NEW YEARS DAY shift £
2-01	Scoping Engineer (site)	#VALUE!	#VALUE!	#VALUE!	#VALUE!
2-02	Lead Site Engineer	#VALUE!	#VALUE!	#VALUE!	#VALUE!
2-03	Site Engineer	214	214	214	428
2-04	Project Manager	312	312	312	624
2-05	Construction Manager	#VALUE!	#VALUE!	#VALUE!	#VALUE!
2-06	Production Delivery Supervisor	#VALUE!	#VALUE!	#VALUE!	#VALUE!
2-07	Track Auditor	#VALUE!	#VALUE!	#VALUE!	#VALUE!
2-08	Track Administration Support	#VALUE!	#VALUE!	#VALUE!	#VALUE!
	Welding Inspector	448	448	672	896

TABLE 3 - Labour - Track Protection Licenses		Price per WEEK shift £	Price per WEEKEND shift £	Price per BANK HOLIDAY shift £	Price per CHRISTMAS DAY & NEW YEARS DAY shift £	
3-01	Protecting Workers on the Track Engineering Hours (PWT-EH)	LU Standard S1419	140.88	146.88	183.60	220.32
3-02	Protecting Workers on the Track Traffic Hours (PWT-T)	[LU Standard 1 - 417]	140.88	146.88	183.60	220.32
3-03	PWT-TM (Protecting Workers on the Track-Train Movements)	PWT-TM OR Train Master license	159.20	165.20	206.50	247.80
3-04	Protecting Workers on the Track Depot (PWT-D)		140.88	146.88	183.60	220.32
3-05	Possession Controller	Possession Controller OR Possession Master Train Movements license	218.00	224.00	280.00	336.00
3-06	LU site warden		140.88	146.88	183.60	220.32
3-07	Train Master	[LU Standard 1 - 418]	159.20	165.20	206.50	247.80
3-08	Possession Master	LU Standard 1 - 147	185.60	191.60	238.50	287.40
3-09	Possession Master Traffic Hours		185.60	191.60	238.50	287.40
3-10	Possession Master (Depot & train movement)		182.56	188.56	235.70	282.84
3-11	Possession Controller	Possession Controller OR Possession Master Train Movements license	218.00	224.00	280.00	336.00
3-12	Track Trolley Controller	Track Trolley Controller License	140.88	146.88	183.60	220.32
3-13	D32 assessor	Assessor Qualification to assess a candidate using a range of methods, as approved by LU Access Department	169.28	175.28	219.10	262.92
3-14	Site Access controller (marshal)		135.56	142.56	178.20	213.84
3-15	Look Out (LU grade)		140.88	146.88	183.60	220.32
3-16	Hand signalman (LU grade)		140.88	146.88	183.60	220.32
3-17	PTS - Personal Track Safety (NR)	Railwork Rail standard	118.00	126.00	188.00	315.00
3-18	PTS - Personal Track Safety/Plate Layer (NR)	Railwork Rail standard	140.00	140.00	210.00	350.00
3-19	ES Engineering Supervisor (NR)	Railwork Rail standard	200.00	208.00	312.00	520.00
3-20	COSS - Controller of Site Safety (NR)	Railwork Rail standard	166.16	174.16	261.24	435.40
3-21	PICOP - Person in charge of Protection (Network Rail)	Railwork Rail standard	234.00	242.00	363.00	605.00
3-22	DC Strap Man (for third rail operations / Level A) - (NR)	Railwork Rail standard	234.00	242.00	363.00	605.00
3-23	Safe Work Leader (NR)	Railwork Rail standard	220.00	228.00	342.00	570.00
3-24	Level crossing attendant (NR)	Railwork Rail standard	166.16	174.16	261.24	435.40
3-25	Possession Support (PS)	Railwork Rail standard	166.16	174.16	261.24	435.40
3-26	AC Isolation Planner (IDF)	Railwork Rail standard	300.00	312.00	312.00	936.00
3-27	AC Isolation and DEP walkouts	Railwork Rail standard	300.00	312.00	312.00	936.00
3-28	AC Nominated Person (NOM)	Railwork Rail standard	248.00	272.00	272.00	816.00
3-29	AC Authorised Person (AP)	Railwork Rail standard	232.00	248.00	248.00	744.00
3-30	AC Earthing assistant (EA)	Railwork Rail standard	140.00	156.00	156.00	468.00
3-31	DC Isolation Planner (B1)	Railwork Rail standard	300.00	312.00	312.00	936.00
3-32	DC Isolation walkouts	Railwork Rail standard	300.00	312.00	312.00	936.00
3-33	DC Nominated Person (NP)	Railwork Rail standard	210.00	218.00	327.00	545.00
3-34	DC Level B (AP)	Railwork Rail standard	163.84	171.84	257.76	429.60
3-35	Hand signaller (NR)	Railwork Rail standard	166.16	174.16	261.24	435.40

\*Shift length is a maximum of 8 hours. Long shifts may from time-to-time be required paid on a 'pro rate' basis.

Area; Representative grade or average	TABLE 4 - Breakdown of Labour Costs					[100%]
	E	F	G	H	I	
	Wage; Base wage (to paid to the individual) %	National Insurance Contribution (% MarkUp on Base Wage) %	Holiday Entitlement (% MarkUp on Base Wage)	Direct Costs including training, PPE etc (% MarkUp on Base Wage)	Overhead, Operating Costs & Profit (% MarkUp on Base Wage)	
Labour 01 - Track Skilled Operative	68.8%	9.5%	8.3%	6.5%	7.0%	0.0%
Labour 01 - Track handback	68.4%	9.4%	8.2%	7.0%	7.0%	0.0%



**Lot 2 - Lump Sum Work Packages  
Pricing Schedule - YEAR 2**

TABLE 1 - Labour - Track General			SHIFT RATE *			
	LU Comments	A	B	C	D	
		Price per WEEK shift £	Price per WEEKEND shift £	Price per BANK HOLIDAY shift £	Price per CHRISTMAS DAY & NEW YEARS DAY shift £	
1 - 01	Skilled Track Operative	119.77	119.77	179.655	239.54	
1 - 02	Track Operative	n/a	n/a	n/a	n/a	
1 - 03	Labourer	n/a	n/a	n/a	n/a	
1 - 04	Chargehand (supervisor)	203	203	304.5	406	
1 - 05	Rail Stressor Operative Level 1 (restoration)	304.5	304.5	456.75	609	
1 - 06	Rail Stressor Operative Level 2 (Plain line)	304.5	304.5	456.75	609	
1 - 07	Rail Stressor Operative Level 3 (points & crossings)	304.5	304.5	456.75	609	
1 - 08	Banksman slinger	203	211.12	316.68	527.8	
1 - 09	T001 Track patrolling Inspector	203	203	304.5	406	
1 - 10	Track handback T002/3 (Repaired & modified)	276.08	276.08	414.12	552.16	
1 - 11	Carpenter (track site works)	167.475	192.65	241.0625	334.95	
1 - 12	Electrician (track site works)	167.475	192.65	241.0625	334.95	
1 - 13	PM3 Inspector	304.5	304.5	456.75	609	
1 - 14	PM3 Inspector (TANC Approved)	304.5	304.5	456.75	609	
1 - 15	PM4 Inspector	334.95	334.95	502.425	669.9	
1 - 16	PM4 Inspector (TANC Approved)	334.95	334.95	502.425	669.9	
1 - 16	PWT - Skilled P-way Supervisor	178.64	178.64	267.96	357.28	

TABLE 2 - Support - Track General			Price per WEEK shift £	Price per WEEKEND shift £	Price per BANK HOLIDAY shift £	Price per CHRISTMAS DAY & NEW YEARS DAY shift £
2 - 01	Scoping Engineer (site)		#VALUE!	#VALUE!	#VALUE!	#VALUE!
2 - 02	Lead Site Engineer		#VALUE!	#VALUE!	#VALUE!	#VALUE!
2 - 03	Site Engineer		217.21	217.21	217.21	434.42
2 - 04	Project Manager		316.68	316.68	316.68	633.36
2 - 05	Construction Manager		#VALUE!	#VALUE!	#VALUE!	#VALUE!
2 - 06	Production Delivery Supervisor		#VALUE!	#VALUE!	#VALUE!	#VALUE!
2 - 07	Track Auditor		#VALUE!	#VALUE!	#VALUE!	#VALUE!
2 - 08	Track Administration Support		#VALUE!	#VALUE!	#VALUE!	#VALUE!

TABLE 3 - Labour - Track Protection Licenses			Price per WEEK shift £	Price per WEEKEND shift £	Price per BANK HOLIDAY shift £	Price per CHRISTMAS DAY & NEW YEARS DAY shift £
3 - 01	Protecting Workers on the Track Engineering Hours (PWT-EH)	LU Standard S1419	142.99	149.08	186.35	223.62
3 - 02	Protecting Workers on the Track Traffic Hours (PWT-T)	[LU Standard 1 - 417]	142.99	149.08	186.35	223.62
3 - 03	PWT-TM (Protecting Workers on the Track-Train Movements)	PWT-TM OR Train Master license	161.59	167.68	209.60	251.52
3 - 04	Protecting Workers on the Track Depot (PWT-D)		142.99	149.08	186.35	223.62
3 - 05	Possession Controller	Possession Controller OR Possession Master Train Movements license	221.27	227.36	284.20	341.04
3 - 06	LU site warden		142.99	149.08	186.35	223.62
3 - 07	Train Master	[LU Standard 1 - 418]	161.59	167.68	209.60	251.52
3 - 08	Possession Master	LU Standard 1 - 147	188.38	194.47	243.09	291.71
3 - 09	Possession Master Traffic Hours		188.38	194.47	243.09	291.71
3 - 10	Possession Master (Depot & train movement)		185.30	191.39	239.24	287.08
3 - 11	Possession Controller	Possession Controller OR Possession Master Train Movements license	221.27	227.36	284.20	341.04
3 - 12	Track Trolley Controller	Track Trolley Controller License	142.99	149.08	186.35	223.62
3 - 13	D32 assessor	Assessor Qualification to assess a candidate using a range of methods, as approved by LU Access Department	171.82	177.91	222.39	266.86
3 - 14	Site Access controller (marshal)		137.59	144.70	180.87	217.05
3 - 15	Look Out (LU grade)		142.99	149.08	186.35	223.62
3 - 16	Hand signaller (LU grade)		142.99	149.08	186.35	223.62
3 - 17	PTS - Personal Track Safety (NR)	Railwork Rail standard	119.77	127.89	191.84	319.73
3 - 18	PTS - Personal Track Safety/Plate Layer (NR)	Railwork Rail standard	142.10	142.10	213.15	355.25
3 - 19	ES Engineering Supervisor (NR)	Railwork Rail standard	203.00	211.12	316.68	527.80
3 - 20	COSS - Controller of Site Safety (NR)	Railwork Rail standard	168.65	176.77	265.16	441.93
3 - 21	PICOP - Person in charge of Protection (Network Rail)	Railwork Rail standard	237.51	245.63	368.45	614.08
3 - 22	DC Strap Man (for third rail operations / Level A) - (NR)	Railwork Rail standard	237.51	245.63	368.45	614.08
3 - 23	Safe Work Leader (NR)	Railwork Rail standard	223.30	231.42	347.13	578.55
3 - 24	Level crossing attendant (NR)	Railwork Rail standard	168.65	176.77	265.16	441.93
3 - 25	Possession Support (PS)	Railwork Rail standard	168.65	176.77	265.16	441.93
3 - 26	AC Isolation Planner (IDF)	Railwork Rail standard	304.50	316.68	316.68	950.04
3 - 27	AC Isolation and DEP walkouts	Railwork Rail standard	304.50	316.68	316.68	950.04
3 - 28	AC Nominated Person (NOM)	Railwork Rail standard	251.72	276.08	276.08	828.24
3 - 29	AC Authorised Person (AP)	Railwork Rail standard	235.48	251.72	251.72	755.16
3 - 30	AC Earthing assistant (EA)	Railwork Rail standard	142.10	158.34	158.34	475.02
3 - 31	DC Isolation Planner (B1)	Railwork Rail standard	304.50	316.68	316.68	950.04
3 - 32	DC Isolation walkouts	Railwork Rail standard	304.50	316.68	316.68	950.04
3 - 33	DC Nominated Person (NP)	Railwork Rail standard	213.15	221.27	331.91	553.18
3 - 34	DC Level B (AP)	Railwork Rail standard	166.30	174.42	261.63	436.04
3 - 35	Hand signaller (NR)	Railwork Rail standard	168.65	176.77	265.16	441.93

\*Shift length is a maximum of 8 hours. Long shifts may from time-to-time be required paid on a 'pro rate' basis.

TABLE 4 - Breakdown of Labour Costs						
Area;  Representative grade or average	Bid Component					[100%]
	E  Wage;  Base wage (ie paid to the individual) %	F  National Insurance Contribution (% MarkUp on Base Wage) %	G  Holiday Entitlement (% MarkUp on Base Wage)	H  Direct Costs including training, PPE etc (% MarkUp on Base Wage)	I  Overhead, Operating Costs & Profit (% MarkUp on Base Wage)	
Labour 01 - Track Skilled Operative	68.8%	9.5%	8.3%	6.5%	7.0%	0.0%
Labour 01 - Track handback	68.4%	9.4%	8.2%	7.0%	7.0%	0.0%
Labour 02 - Support grades	70.3%	9.7%	8.4%	4.6%	7.0%	0.0%
Labour 03 - Track Protection Licenses	66.7%	9.2%	8.0%	9.0%	7.0%	0.0%

TABLE 5 - Materials Handling Charge	
	Percentage Mark Up %
Materials Handling Charge %	10

TABLE 6 - Vehicles	
Type	Price per shift £
1.5 tonne Flatbed	96.43
3.5 tonne Tipper	
3.5 tonne Flatbed	
7.5 tonne Tipper	
Minibus 8 seater	
Minibus 16 seater	
Small Van (e.g.VW Caddy)	43.99
Transit type van	

TABLE 7 - Volume Discounts	
of orders placed (excluding VAT) to the Contractor under the framework agreement in each financial year (April 1 – March 31).	
Volume Discount Band (eg £1m to £1,499,999)	Discount (%)

TABLE 8 - Supplier Assumptions	
Reference	Details of Assumption
1	Please note, that our rates are based on our current understanding of competencies/productivity
2	We have provided a quotation for rates in year 1 and then have added 1.5% increments to years 2, 3 & 4 for estimated RPI
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TABLE 9 - Bidder Caveats			
Reference	A. Details of Caveat	B. Price/Value of Caveat	C. Included in Pricing Yes/No
1			
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4			
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7			
8			
9			

Lot 2 - Lump Sum Work Packages  
Pricing Schedule - YEAR 2

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**Lot 2 - Lump Sum Work Packages  
Pricing Schedule - YEAR 3**

TABLE 1 - Labour - Track General			SHIFT RATE *			
			A	B	C	D
	LU Comments	Price per WEEK shift £	Price per WEEKEND shift £	Price per BANK HOLIDAY shift £	Price per CHRISTMAS DAY & NEW YEARS DAY shift £	
1-01	Skilled Track Operative	121.57	121.57	182.35	243.13	
1-02	Track Operative	n/a	n/a	n/a	n/a	
1-03	Labourer	n/a	n/a	n/a	n/a	
1-04	Chargehand (supervisor)	206.05	206.05	309.07	412.09	
1-05	Rail Stressor Operative Level 1 (restoration)	309.07	309.07	463.60	618.14	
1-06	Rail Stressor Operative Level 2 (Plain line)	309.07	309.07	463.60	618.14	
1-07	Rail Stressor Operative Level 3 (points & crossings)	309.07	309.07	463.60	618.14	
1-08	Banksman slinger	206.05	214.29	321.43	535.72	
1-09	T001 Track patrolling Inspector	206.05	206.05	309.07	412.09	
1-10	Track handback T002/3 (Repaired & modified)	280.22	280.22	420.33	560.44	
1-11	Carpenter (track site works)	169.99	195.74	244.68	339.97	
1-12	Electrician (track site works)	169.99	195.74	244.68	339.97	
1-13	PM3 Inspector	309.07	309.07	463.60	618.14	
1-14	PM3 Inspector (TANC Approved)	309.07	309.07	463.60	618.14	
1-15	PM4 Inspector	339.97	339.97	509.96	679.95	
1-16	PM4 Inspector (TANC Approved)	339.97	339.97	509.96	679.95	
1-16	PWT - Skilled P-way Supervisor	181.32	181.32	271.98	362.64	

  

TABLE 2 - Support - Track General			Price per WEEK shift £	Price per WEEKEND shift £	Price per BANK HOLIDAY shift £	Price per CHRISTMAS DAY & NEW YEARS DAY shift £
2-01	Scoping Engineer (site)		#VALUE!	#VALUE!	#VALUE!	#VALUE!
2-02	Lead Site Engineer		#VALUE!	#VALUE!	#VALUE!	#VALUE!
2-03	Site Engineer		220.47	220.47	220.47	440.94
2-04	Project Manager		321.43	321.43	321.43	642.86
2-05	Construction Manager		#VALUE!	#VALUE!	#VALUE!	#VALUE!
2-06	Production Delivery Supervisor		#VALUE!	#VALUE!	#VALUE!	#VALUE!
2-07	Track Auditor		#VALUE!	#VALUE!	#VALUE!	#VALUE!
2-08	Track Administration Support		#VALUE!	#VALUE!	#VALUE!	#VALUE!

  

TABLE 3 - Labour - Track Protection Licenses			Price per WEEK shift £	Price per WEEKEND shift £	Price per BANK HOLIDAY shift £	Price per CHRISTMAS DAY & NEW YEARS DAY shift £
3-01	Protecting Workers on the Track Engineering Hours (PWT-EH)	LU Standard S1419	145.14	151.32	189.15	226.98
3-02	Protecting Workers on the Track Traffic Hours (PWT-T)	[LU Standard 1 - 417]	145.14	151.32	189.15	226.98
3-03	PWT-TM (Protecting Workers on the Track-Train Movements)	PWT-TM OR Train Master license	164.01	170.19	212.74	255.29
3-04	Protecting Workers on the Track Depot (PWT-D)		145.14	151.32	189.15	226.98
3-05	Possession Controller	Possession Controller OR Possession Master Train Movements license	224.59	230.77	288.46	346.16
3-06	LU site warden		145.14	151.32	189.15	226.98
3-07	Train Master	[LU Standard 1 - 418]	164.01	170.19	212.74	255.29
3-08	Possession Master	LU Standard 1 - 147	191.21	197.39	246.74	296.09
3-09	Possession Master Traffic Hours		191.21	197.39	246.74	296.09
3-10	Possession Master (Depot & train movement)		188.08	194.26	242.82	291.39
3-11	Possession Controller	Possession Controller OR Possession Master Train Movements license	224.59	230.77	288.46	346.16
3-12	Track Trolley Controller	Track Trolley Controller License	145.14	151.32	189.15	226.98
3-13	D32 assessor	Assessor Qualification to assess a candidate using a range of methods, as approved by LU Access Department	174.40	180.58	225.72	270.87
3-14	Site Access controller (marshal)		139.66	146.87	183.59	220.30
3-15	Look Out (LU grade)		145.14	151.32	189.15	226.98
3-16	Hand signalman (LU grade)		145.14	151.32	189.15	226.98
3-17	PTS - Personal Track Safety (NR)	Railwork Rail standard	121.57	129.81	194.71	324.52
3-18	PTS - Personal Track Safety/Plate Layer, (NR)	Railwork Rail standard	144.23	144.23	216.35	360.58
3-19	ES Engineering Supervisor (NR)	Railwork Rail standard	206.05	214.29	321.43	535.72
3-20	COSS - Controller of Site Safety (NR)	Railwork Rail standard	171.18	179.42	269.14	448.56
3-21	PICOP - Person in charge of Protection (Network Rail)	Railwork Rail standard	241.07	249.31	373.97	623.29
3-22	DC Strap Man (for third rail operations / Level A) - (NR)	Railwork Rail standard	241.07	249.31	373.97	623.29
3-23	Safe Work Leader (NR)	Railwork Rail standard	226.65	234.89	352.34	587.23
3-24	Level crossing attendant (NR)	Railwork Rail standard	171.18	179.42	269.14	448.56
3-25	Possession Support (PS)	Railwork Rail standard	171.18	179.42	269.14	448.56
3-26	AC Isolation Planner (IDF)	Railwork Rail standard	309.07	321.43	321.43	964.29
3-27	AC Isolation and DEP walkouts	Railwork Rail standard	309.07	321.43	321.43	964.29
3-28	AC Nominated Person (NOM)	Railwork Rail standard	255.50	280.22	280.22	840.66
3-29	AC Authorised Person (AP)	Railwork Rail standard	239.01	255.50	255.50	766.49
3-30	AC Earthing assistant (EA)	Railwork Rail standard	144.23	160.72	160.72	482.15
3-31	DC Isolation Planner (B1)	Railwork Rail standard	309.07	321.43	321.43	964.29
3-32	DC Isolation walkouts	Railwork Rail standard	309.07	321.43	321.43	964.29
3-33	DC Nominated Person (NP)	Railwork Rail standard	216.35	224.59	336.88	561.47
3-34	DC Level B (AP)	Railwork Rail standard	168.79	177.03	265.55	442.58
3-35	Hand signaller (NR)	Railwork Rail standard	171.18	179.42	269.14	448.56

\*Shift length is a maximum of 8 hours. Long shifts may from time-to-time be required paid on a 'pro rate' basis.