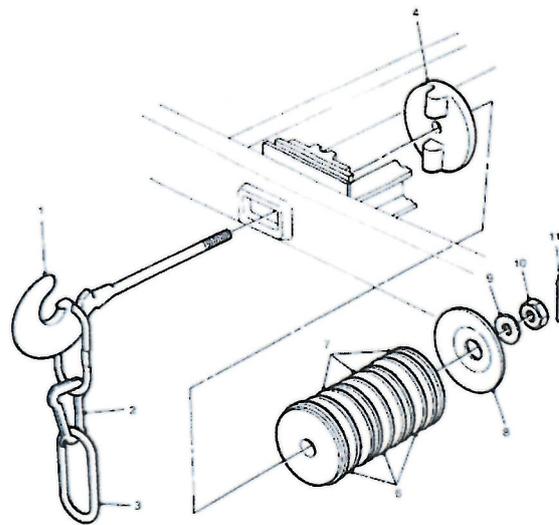


- Drawhook (IPL 15-05-02 Item 1)
- Pivot Plate (IPL 15-05-02 Item 4)
- Interleave Plate (IPL 15-05-02 Item 6)
- Rubber Spring Unit (IPL 15-05-02 Item 7)
- Interleave Plate (IPL 15-05-02 Item 6)
- Rubber Spring Unit (IPL 15-05-02 Item 7)
- Interleave Plate (IPL 15-05-02 Item 6)
- Rubber Spring Unit (IPL 15-05-02 Item 7)
- Interleave Plate (IPL 15-05-02 Item 6)
- Rubber Spring Unit (IPL 15-05-02 Item 7)
- Drawgear washer plate (IPL 15-05-02 Item 8)
- Washer (IPL 15-05-02 Item 9)
- Nut (IPL 15-05-02 Item 10)



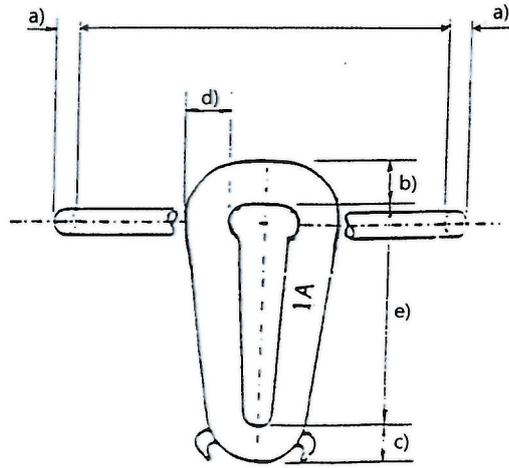
Core Work: Torque tighten nut (item 10) to 200NM and install split pin (IPL 15-05-02 Item 11).

Bill of Materials

| Item Number | Description | Quantity (Per Wagon) | LU Cat No. | Drawing | Supplier No. |
|-------------|----------------|----------------------|------------|-------------------|---------------------|
| 1 | Drawbar | 2 | 184/9901 | STD/1408 issue AC | William Cook Rail |
| 7 | Spring Element | 8 | 505/9901 | AVON REF: 482 | Unipart 0019/074586 |
| 4 | Pivot Plate | 2 | 648/9921 | Not Available | 200006 |
| 8 | Drawbar Washer | 2 | 184/9909 | Not Available | 200005 |
| 9 | Washer | 2 | 184/9907 | STD.1403 T Item 7 | William Cook Rail |
| 10 | Nut | 2 | 184/9906 | Not Available | William Cook Rail |
| 11 | Split Pin | 2 | 184/9908 | Not Available | William Cook Rail |
| 6 | Divider Plate | 8 | 421/9906 | Not Available | Unipart 0019/053233 |

3.7.3 Instantor Coupler:

Inspect Instantor Coupler for wear & distortion:



- Core Work:** Measure the thickness of the end links (dimension 'a'). The minimum permissible dimension for 'a' is 30mm.
- Core Work:** Measure dimension 'b'. at the top of the centre link. The minimum permissible dimension for 'b' is 57mm.
- Core Work:** Measure dimension 'c'. at the bottom of the centre link. The minimum permissible dimension for 'c' is 49mm.
- Core Work:** Measure dimension 'd' (both sides) on the centre link (short position). The minimum permissible dimension for 'd' is 60mm.
- Core Work:** Measure dimension 'e' on the centre link (long position). The maximum permissible dimension for 'd' is 251mm.
- Core Work:** Refit Instantor coupler, If any of the measured dimensions (a, b, c, d or e) are outside of the specified limits replace the Instantor coupler.

3.8 Testing

- Core Work:** On completion of works an 'E' examination (175 day inspection as defined in Transplant document R2829 A1) must be conducted and documented for each wagon.
- The wagon must pass the 'E' examination (175 day inspection) before being presented for handover.
 - Rectification of any sub-standard condition found during the 'E' examination must be conducted before the wagon will be accepted as complete.

Schedule 4

Contract Variation Procedure

- 1 The cost of any Variation Order shall be agreed between the parties taking account of the reasons why the Variation Order was required.
- 2 The Company may propose a variation by completing Part A of the Variation Proposal and supplying three (3) copies of it to the Supplier. Within five (5) Working Days of receipt, or such other time as may be agreed by the Company, the Supplier shall complete Part B of the Variation Proposal and shall supply two (2) copies of the Variation Proposal to the Company. The Company shall be entitled, at any time within thirty (30) days of receipt, to instruct and authorise the Supplier to proceed with the variation on the terms so set out by each party by completing and signing Part C of one copy of the Variation Proposal (which, following such signature, will be referred to as a "**Variation Order**") and supplying such Variation Order to the Supplier. The relevant part(s) of the Contract shall thereupon be varied accordingly.
- 3 The Supplier may propose a variation, after requesting the issue by the Company of a Variation Proposal variation number, by completing Parts A and B of a Variation Proposal and supplying two (2) copies of it to the Company. The Company shall be entitled, at any time within thirty (30) days of receipt, to instruct the Supplier to proceed with the variation on the terms so set out by the Supplier by completing and signing Part C of one copy of the Variation Proposal (which, following such signature, will be referred to as a "**Variation Order**") and supplying such Variation Order to the Supplier. The relevant part(s) of the Contract shall thereupon be varied accordingly.
- 4 The Supplier may indicate in a Variation Proposal that the price is an estimated price but, if it does so, it shall supply a firm price to the Company in writing at least seven (7) days before the expiry of the time within which the Company is entitled to instruct the Supplier to proceed with the variation.
- 5 The price indicated by the Supplier must be the full price and shall cover all costs associated with the variation. If appropriate a range of prices may be shown corresponding to the quantity of Goods and range of Services to be provided.
- 6 In an emergency, both parties shall use their reasonable endeavours to expedite the actions permitted or required under the Contract Variation Procedure.
- 7 The Company will not accept any retrospective claims for additional work caused by a variation which has not been approved by the Company in accordance with the Contract Variation Procedure before the commencement of such additional work.

- 8 All authorised additional work resulting from any Variation Proposal shall be priced in accordance with any applicable rates set out in Schedule 2.
9. The Supplier shall at all times act reasonably and shall price each Variation Proposal at the least possible additional cost to the Company that it is reasonably and economically practicable for the Supplier to offer and which has the least possible impact on the terms of the Contract, including, but not limited to the Specification and the Programme.
- 10 Strict adherence to the procedure described in this Schedule 4 shall be a condition precedent to any addition to the Contract Price for the Goods and Services. If the Supplier does not adhere to each paragraph in this Schedule 4 then the Supplier shall not be entitled to any addition to the Contract Price notwithstanding that the Supplier may have supplied additional or varied Goods and/or Services.

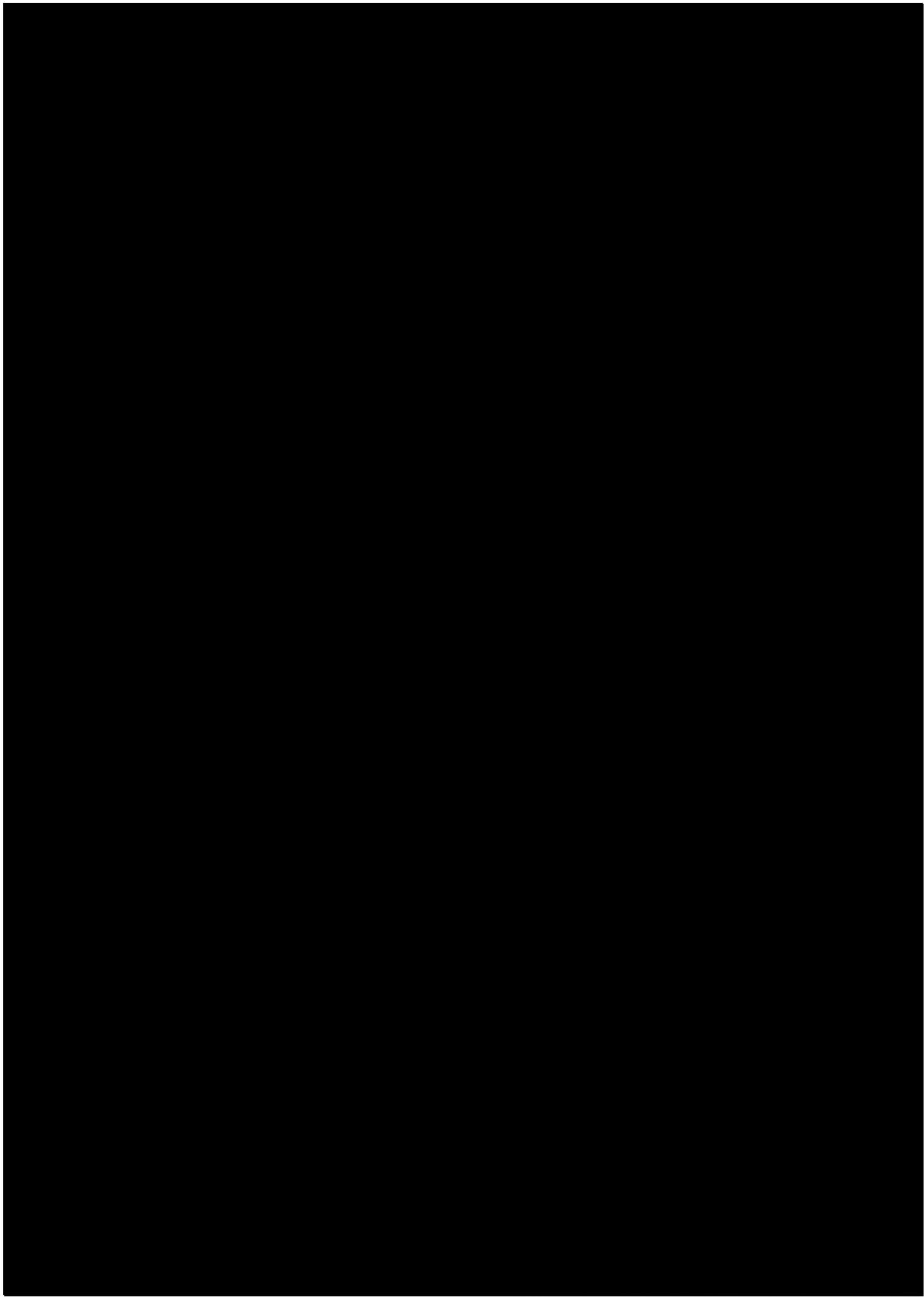
Appendix 1
Form of Variation Proposal/Variation Order

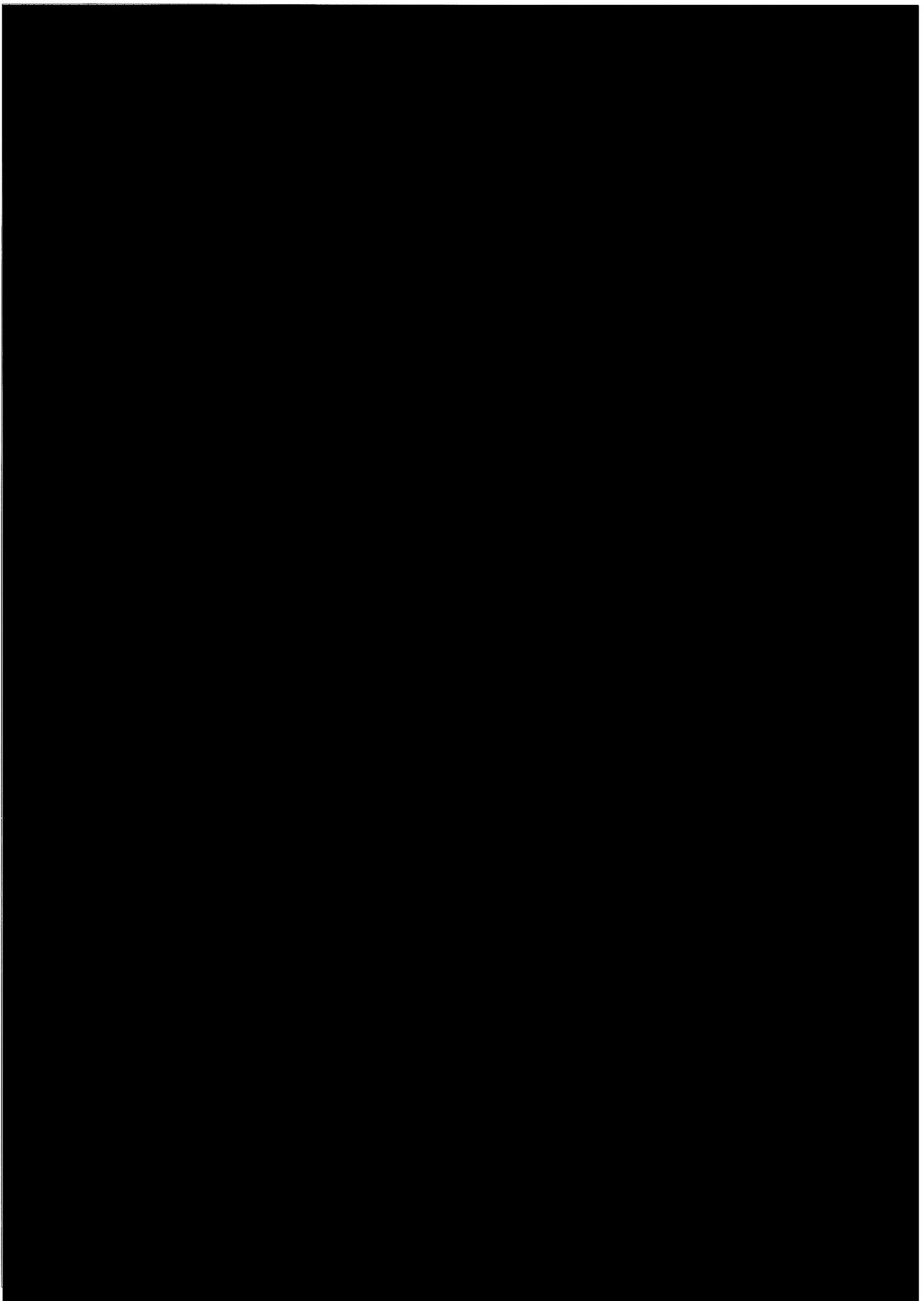
| | |
|------------|--------------|
| To: | From: |
|------------|--------------|

Contract Reference:
Variation Number:
Variation Title:

| | |
|---|--|
| PART A (TO BE COMPLETED BY THE ORIGINATOR OF THE VARIATION ORDER) | |
| Description of change: | |
| Reason for changes and impact (if any) on Contract: | |
| Variation Proposal Authorised by: | Proposal Date: |
| PART B (TO BE COMPLETED BY THE SUPPLIER) | |
| Price Breakdown Note: If a further breakdown is needed please append details as a separate sheet. | |
| Expected Delivery Date and/or Completion Date: | |
| Supplier's Representative: | |
| Print Name: | Signature: Date: |
| Completed document to be returned to the Company's Representative | |
| PART C (TO BE COMPLETED BY THE COMPANY'S REPRESENTATIVE) | |
| Comment on Parts A and B: | |
| Variation Authorisation | |
| Company's Representative: | |
| Print Name: | Signature: Date: |







Schedule 6
QUENSH and Quality and Safety plan

F0780 A18 Contract Menu

This Contract Menu must be used in conjunction with Category 1 Standard [S1552](#) "Contract QUENSH Conditions"

Contract Menu

Contract No: TfL 001145

Contract Name Spoil and Ballast Wagon overhaul

Client: London Underground Limited

Supplier: Arlington Fleet Services Limited

Principal Contractor: Yes No

Guidance

The menu is a tool which is used by the Client to identify conditions that apply to specific contracts and communicate these conditions to the Supplier.

How to complete the menu

- 1) The Client evaluates the scope of work and enters 'Y' or 'N' in the 'Identified by the Client' column of the menu against each condition selected as applicable or not applicable to the Contract. In the 'Other documents / comments' column the Client can make references to other documents which are supplementary information which is available although not contained within the QUENSH manual but should be considered by the Supplier when they review the conditions. Copies of any additional documents identified in the menu shall be made available to the Supplier. All documents referenced in the Menu shall be current issue, unless otherwise advised. This column can also be used to communicate information (comments) to the Supplier which may be of use to the Supplier when reviewing the conditions.
- 2) The Client fills in 'Client menu (Invitation to Tender)' section on the last page of the menu and issues the menu as part of the ITT.
 - a) The Supplier receives the ITT, evaluates the scope of work and, as a requirement of the tendering process, inserts 'Y' or 'N' in the 'Identified by the Supplier' column of the menu against each condition selected as being applicable. These selections may be different from those identified by the Client. Where the Supplier's selection differs from the Client's selection, a clear explanation of the reason for these differences shall be given by the Supplier. A reference to these explanations shall be put in the 'Reference to explanation' column on the menu.
 - b) The Supplier representative signs and dates the 'Supplier menu (Tender)' on the last page of the menu and submits it with the tender, for consideration by the Client.
 - c) Differences in the Client and Supplier menu selections will be discussed and resolved with the Client at subsequent tender review meetings. The agreed final version of the menu selections shall form a mandatory part of the Contract and shall be complied with by all Suppliers and their sub-contractors.
 - d) The menu shall be subject to project version and document control.

Queries on the menu

Any queries in relation to the Contract QUENSH Conditions selected on the menu are to be referred to the Client representative, see contact details/address on last page of the menu.

**Contract menu
 Requirements in QUENSH**

| Applicable requirements identified by Client | | Applicable requirements identified by Supplier | |
|--|--|---|--|
| Section | Topic | Other documents / Comments | Reference to explanation - see Section 2a in attached Guidance Notes |
| 4 | Agreement of the applicable QUENSH contract conditions | | |
| 5 | Supplier's selection of sub-contractors | | |
| 6 | Identification of Safety Critical Activities | | |
| 7 | Works Environmental Management | | |
| 8 | Emergency Plan | | |
| 9 | Method Statements | Labour Supply Only – Only applicable to Repair Schemes and will form part of repairs approval | |
| 10 | Health, Safety and Environment File | Held and maintained by client | |
| 11 | Pre-start LU health, safety and environment meeting | | |
| 12 | Supplier's site induction | | |
| 13 | Site Person in Charge | | |
| 14 | Staff requirements | | |
| 14.1 | Behaviours | | |
| 14.1.1 | Alcohol and drugs | | |
| 14.2 | Control of hours worked | | |
| 14.2.1 | Working Time Regulations | | |
| 14.2.2 | Fatigue | | |
| 14.3 | Knowledge | | |
| 14.3.1 | English language | | |
| 14.3.2 | Access Card and Worksite Briefing | | |
| 14.3.3 | Visitors to sites | | |
| 14.4 | General competence | | |

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 Use in conjunction with S1552

