



Broomloan Depot Yard Track and Civil Works – award of contract

Committee Strategy & Programmes

Date of meeting 17 February 2023

Date of report 31 January 2023

Report by Director of Subway

1. Object of report

To recommend the Committee approves the award of a contract for track and civil works within the Yard at the Broomloan Depot to Amalgamated Construction Limited (trading as AmcoGiffen).

2. Background

Subway rolling stock is stabled, cleaned and maintained at the Broomloan Depot in Govan. Within the Broomloan Depot there is over 2km of track, including switches and crossings, required for routing the rolling stock to and from the subterranean system and between facilities in the yard. Working within this area is complex and requires careful planning and execution due to the centrality to the operation of the Subway, and clear safety hazards which need to be managed.

Within the Broomloan Depot Yard, at the southern entrance to the maintenance shed, a series of tracks pass through a concrete apron area. In order to allow road-based works vehicles to traverse these tracks, the rails are embedded in concrete, providing a level surface. The rails through this area were installed in the early 1980s and their condition has recently been found to have deteriorated to the extent that replacement is necessary. To facilitate rail replacement, there is a requirement for localised breakout and reform of the surrounding concrete in line with a defined design.

In the eastern area of the Yard, a ramped access route provides the connection for rolling stock between the yard and the subterranean Subway system. A bridge spans across this ramp and supports a track that connects the Stabling Shed to the north and the train wash area to the south. The track makes a transition from concrete trackbed on the bridge into an area of ballast trackbed to the south. Where sleepers cross these two trackforms of differing stiffness, they are prone to failure under the repeat loading of normal service conditions. SPT will implement a new design that seeks to alleviate this issue by making improvements to the transition geometry, whilst accommodating local changes in level and ensuring effective tie-in with the drainage system.

Additionally, and as SPT ensures readiness for the on-going introduction of new rolling stock to the Subway, a requirement has been identified to establish safe walking routes and access platforms to allow personnel to access/egress vehicles located to the south of the Maintenance Shed. SPT has previously engaged a consultant to produce an outline layout from which a contractor can, in conjunction with a supplier, develop and construct the required provisions.

As well as the defined improvements at the south of the Maintenance Shed and in the bridge area, SPT has a requirement for a contractor to support delivery of discrete packages of track and civil improvements and renewals in the yard. This includes improvements to access routes and installation of replacement switches and crossings and sleepers which are typically undertaken through a rolling programme, based on condition.

The Committee should note that a different scope of works was recently undertaken in the Broomloan Depot Yard by XYZ Rail Ltd under a separate contract, as approved at Operations Committee in April 2021. That scope focused on improvement of track alignment in a separate area of the Yard with ballast track bed formation to the south of the Maintenance Shed.

3. Outline of proposals

3.1 Scope of services

SPT invited contractors to bid for a contract to:

- (i) Replace sections of embedded rail at the entrance to the Maintenance Shed;
- (ii) Implement a track improvement design at the bridge that spans across the Subway access ramp; and
- (iii) Construct a series of walking routes and platforms to facilitate safe boarding of rolling stock at designated locations in the Yard.

3.2 Tender assessment process

In September 2022 via Public Contracts Scotland Tender (PCST), SPT invited five organisations to tender for an NEC3 Engineering and Construction Short Contract for yard track and civil works.

Each tenderer was requested to provide a price for delivering the three fixed elements of the contract and a technical submission detailing their proposed programme and methodology for delivering the works. The tenders were evaluated against award criteria, as defined in the tender documents, in order to determine the most economically advantageous tender. For the purpose of tender evaluation, the technical and commercial submissions were weighted 60% and 40% respectively.

Two submissions were received. The evaluation results are as follows:

Supplier name	Weighted Score - Technical	Weighted Score - Price	Total Price + Technical
Amalgamated Construction Limited	60	36	96
Story Contracting Limited	53	40	93

When assessed against the tender award criteria, the Amalgamated Construction Limited tender was deemed to be the most economically advantageous submission.

4. Committee action

The Committee is recommended to approve the award of a contract of £433,435 to Amalgamated Construction Limited for track and civil works in the Yard at Broomloan Depot.

5. Consequences

Policy consequences	<i>None identified.</i>
Legal consequences	<i>Contract will be awarded subject to the conditions of contract contained within SPT's ITT.</i>
Financial consequences	<i>The costs for the yard track and civil works will be accommodated within the capital budget, under project 10375 "Tunnel and Infrastructure Works". This project is funded from the Subway Infrastructure Fund (General Fund – Earmarked Reserve).</i>
Personnel consequences	<i>None identified.</i>
Equalities consequences	<i>None identified.</i>
Risk consequences	<i>None identified.</i>
Climate Change, Adaptation and Carbon consequences	<i>None identified.</i>

Name **Antony Smith**
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Name **Valerie Davidson**
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