



POOLE PARK RAILWAY - TRACK - Pre Construction Information

POOLE PARK RAILWAY: TRACK AND SHED

November 2019

Revision	Date	Comments
1	14/11/19	Tender Issue

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1. Description of Project

1.1 Project Description and Programme Details

a. Background:

- i. Poole Park Railway has been in existence since 1948, operating as a 10.25" gauge line for pleasure.
- ii. In May 2018 operation was suspended due to numerous issues relating to condition and operation of the infrastructure.
- iii. In October 2018 Poole Borough Council authorised Capital expenditure to deliver a completely new railway that would both be safe and reliable and would enhance the visitor experience for the Park and the whole area.
- iv. Since April 2019, Poole Borough Council has merged to form Bournemouth, Christchurch and Poole Council unitary authority (in future referred to as BCP)
- v. A planning application has been submitted, and approved, details are here: https://boppa.poole.gov.uk/online-applications/applicationDetails.do?keyVal=_POOLE_DCAPR_21926&activeTab=summary. Within this a flood risk assessment was included. The site is not within the Environment Agencies flood zone 2 or 3, but it does show the area to be at risk from surface water inundation for the current day 1:100 year storm.
- vi. Recent works have been completed within the park, to enhance both lakes, and the surrounding areas. These completed works are included in drawings within Appendix C2.

b. The Scheme entails wholly replacing the railway infrastructure and constructing a new Engine Shed. Due to evolution of guidance and legislation since the original railway was opened, some significant changes have been incorporated in the new design:

- i. The route deviates from the original / most recent in several places to eliminate unnecessary pedestrian crossings, improve clearances and simplify / improve the safety of operation.
- ii. The track gauge will be changed to 12.25" gauge to improve stability of the vehicles.
- iii. **Planned start date:** 2nd March 2020
- iv. **Planned finish date:** 28th April 2020
- v. TRACK – See Drawings Appendix C5 and C6
 - Total length: 640m
 - New track on existing formation: 330m (Section drawings A, B, C, L & N)

- New track on new formation: 220m (Section drawings H, K & M)
- New track embedded in concrete slab 'tramway style' using elastic polymer embedding: 40m (Section drawings D, E & F)
- New track embedded directly into concrete / tarmac (sidings / shed): 50m (Section drawing G & PPR-CONS-104)
- Pedestrian Level crossings: 5 (Section drawing J)
- Turnouts: 2 (1 Contraflexure, 1 Right Hand) (see specification)
- Excavate and install (backfill) for water supply from existing Station to new Shed – (see Shed Specification).

vi. SHED - see attached Appendix A2 - PPR

- Demolish and dispose of existing structure
 - Supply and erect New purpose-designed steel building
 - Concrete slab floor with embedded rails
 - Basic internal fit-out for services (see Specification)BCP to carry out tree works, prior to start on site
- c. The Project also incorporates procurement of a New Train to Specification through a separate tender process.
- d. BCP has appointed Leisure Technical Services Ltd (LTC) as their Independent Competent Person (ICP) to oversee the design and approval of the whole Railway under ADIPS.
- e. The Contractor will be required to interface with BCP and LTC during the work and commissioning.

1.2 Key Dates

14 th November 2019	Tender Opens
4 th December 2019	Tender Closes
3 rd February 2020	Successful Bidder Award Subject to Approval
3 rd Feb – 2 nd Mar 2020	Mobilisation
3 rd March 2020	Contractor Starts On site
28 th April 2020	Contractor Completes work
22 nd Jul – 4 th Aug 2020	Commissioning (Purchased Train and Track)

1.3 Details of Client, Principal Designer, Principal Contractor and Designers

Role	Duty Holder	Address	Point of Contact
Client	Bournemouth, Christchurch and Poole Council	Upton House Poole Road Upton Poole BH17 7BJ	POC: Anthony Rogers T: 01202 261345 E: anthony.rogers@bcpcouncil.gov.uk
Client Project Manager	Bournemouth, Christchurch and Poole Council	Civic Centre Poole BH15 2RU	POC: Helen Clarke T: 01202 261236 E: helen.clarke@bcpcouncil.gov.uk
Principal Designer	Track Systems UK Ltd	Brewood Lodge Weston under Lizard Shifnal Telford TF11 8NA	POC: C Phillimore T: 0121 794 9855 E: office@track-systems-uk.co.uk
Designer	Track Systems UK Ltd	Brewood Lodge Weston under Lizard Shifnal Telford TF11 8NA	POC: C Phillimore T: 0121 794 9855 E: office@track-systems-uk.co.uk
Principal Contractor		Details to be provided in CPP	Details to be provided in CPP

Site Supervisor		Civic Centre Poole BH15 2RU	TBA
Ecologist	Bournemouth, Christchurch and Poole Council	Civic Centre Poole BH15 2RU	POC: Jez Martin T: 01202 261338 E: jez.martin@bcpcouncil.gov.uk

1.4 Extent and location of existing records and plans

Type of Record	Reference	Description	Location
Construction Drawings	See schedule below	Scheme drawings	Appendix C
Site information	See schedule below	Supporting Information	Appendix D

1.5 Co-ordination

- Pre-construction meeting – minimum 1 week before Contractor takes possession of site.
- Weekly Site Meetings (suggest mid-week)
- Completion Meeting – handover
- End of defects meeting

2. Environmental Restriction and Existing On-site Risks

Hazards	Description
Traffic management including boundaries and access	Site boundary shown on Appendix C2. Access: 07:30 – 17:30 Monday to Friday Saturday working subject to approval There is no public vehicle access before 10:00hrs into the park
Local Parking	Parking will be permitted in the disabled parking bays (6 spaces) on Whitecliff Road, a notice to be left in windscreen saying the owner is working on the railway project. All plant etc to remain within compound overnight
Public transport	Bus Routes TBA Train – Poole Station
Adjacent land uses	Landscaped and grassed areas to be out of bounds to Contractor except where essential access to site is required. Routes to be agreed. Contractors are only permitted to work within a 1m boundary of the new and existing track alignment to protect existing landscaped areas. Please refer to Appendix C2 – Contractor working areas.
Local festival events	TBA, but Contractors area will not be disturbed whilst they are completing the works
Restrictions on deliveries or waste Collection or storage	No restrictions. Waste to be stored in locked skips / bins
Contamination	<i>See Supporting documents, explicitly: Appendix D25 Engine Shed Refurb Asbestos Report Building Survey of existing shed (for demolition) Ground Investigations</i>
Bats	If bats are found, all work to stop immediately. If bats are uncovered then where possible the structure that has exposed them should be put back in place, and Natural England informed, and a licensed bat worked engaged to address the situation and advise on required mitigation. All liaison to go through BCP Ecologist Jez Martin.
Tree protection	Contractors shall ensure tree protection is provided according to 'BS 5837:2012 Trees in relation to design, demolition and construction. The tree protection shall be 'HERAS' fencing, following the guidance on p36 of BS 5837:2012, or similar approved by the client with regards to ground protection, storage and protective fencing. Appendix D contains arboricultural constraints reports for the track and engine shed and include such tree protection measures. Note

	that BCP have carried out any required tree works.
Phytophthora	<p>Contractors should be aware that over recent years the Alder trees around the Freshwater lakes have suffered extensive dieback. Work with the Forestry Commission Biosecurity team has identified the presence of Phytophthora pseudosyringae and potentially other Phytophthora pathogens.</p> <p>Contractors should make themselves aware of the Forestry Commission guidance on Phytophthora, in particular the requirement for biosecurity for all staff, plant and materials coming on and off of the work area around the Freshwater Lakes. Guidance is available at:</p> <p>Phytophthora pseudosyringae</p> <p>Guidance on all Phytophthora pathogens</p> <p>Biosecurity</p>
Hypodermic Needles	General risk
Crossing facilities	None specific
Posted speed limit	10mph in Park, 5mph on site
Traffic sensitive	None
Existing services	<p>Due to the locations underground cables are located across all areas of the site. The Services responses are a guidance of the locations of existing services.</p> <p>Those present are marked with an <input checked="" type="checkbox"/></p> <p>There may be other private unchartered services within the site. The contractor should carry their own investigations before commencing work.</p> <p><u>Electrical</u></p> <p>High Voltage <input checked="" type="checkbox"/> Low Voltage <input checked="" type="checkbox"/> Overhead cables <input type="checkbox"/></p> <p>Water <input checked="" type="checkbox"/> Sewerage <input checked="" type="checkbox"/></p> <p>High Pressure Gas <input type="checkbox"/> Low Pressure Gas <input type="checkbox"/></p> <p><u>Telecoms</u></p> <p>Virgin <input checked="" type="checkbox"/> BT <input type="checkbox"/> SSE <input type="checkbox"/> City Fibre <input type="checkbox"/> Overhead cables <input type="checkbox"/></p> <p>Please refer to Appendix D</p>
Other risks	Site adjacent to Freshwater lake – presence of underground water courses cannot be discounted.

	<p>Presence of freshwater lake and wildlife present the following risks which must be contained:</p> <p>Spillage of fuel / oil/chemicals that could contaminate lake – a specific fuelling point for plant must be agreed and any liquids stored securely. A spill kit should be positioned in a location that is easily and quickly accessed by staff, and staff to be trained in the use of this spill kit in case of an incident. All drains in area of work to be protected from ingress of oils/chemicals/fuel and other contaminants by drain covers or oil absorbing socks. If work will be taking place near to the water body, then oil control boom should be deployed in water body, before starting this work. Fuels, chemicals and oils to be stored in bunded containers. All refuelling and oil checks of plant to be carried out away from the edge of the water.</p> <p>Presence of water-born virus / bacteria (such as crypto-spiridium) possible in lake – employees to take appropriate care including use of appropriate washing facilities.</p> <p>Presence of wildlife / feed likely to increase presence of vermin (specifically rats). Appropriate caution / protection required in respect of Lyme's Disease (Ticks) and Weil's Disease.</p> <p>The successful contractor will complete a CEMP within their RAMS, to be agreed before the start of the works. Jez Martin will review these RAMS.</p>
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3. Residual Significant or Unusual Design and Construction Hazards

Significant Hazards/ Risks Identified by The Designer	Further Details
Removal of old rail	Due to the historic nature of the infrastructure and limited maintenance in recent decades it is not possible to exactly ascertain the nature of the arisings. Contractor should take specific care handling / disposing of rested rail and track components.

4. CDM Schedule 3 – Works Involving Particular Risks (Regulation 12(2))

No.	Risk	
1	Work which puts workers at risk of burial under earth falls, engulfment in swampland or falling from height, where the risk is particularly aggravated by the nature of the work or site.	Yes
2	Work which puts workers at risk from chemical or biological substances constituting a particular danger to the safety or health of workers or involving a legal requirement for health monitoring.	No
3	Work with ionizing radiation requiring the designation of controlled or supervised areas under regulation 16 of the Ionizing Radiations Regulations 1999.	No
4	Work near high voltage power lines.	Yes
5	Work exposing workers to the risk of drowning.	Yes
6	Work on wells, underground earthworks and tunnels.	No
7	Work carried out by divers having a system of air supply.	No
8	Work carried out by workers in caissons with a compressed air atmosphere.	No
9	Work involving the use of explosives.	No
10	Work involving the assembly or dismantling of heavy prefabricated components.	Yes

5. Health and Safety File

Where there is more than one contractor a Health and Safety file will be produced for that scheme. The Principal Contractor is to provide all relevant information as listed below;

- a) Brief description of work carried out
- b) Details of any significant and/or unusual residual maintenance & demolition hazards.
- c) Details of key structural principles (if applicable)
- d) Details of suppliers and materials they provided.
- e) Product data sheets of any materials used that have residual maintenance or demolition health and safety implications (Construction COSHH data sheets etc are not required)
- f) Information on significant services
- g) Test certificates for precast concrete, and any other relevant materials
- h) Test certificates for electrical equipment.
- i) As built drawings
- j) Additional information as required that may have a health and safety impact on the future use / maintenance / demolition of the scheme.

6. Appendices

Appendix A - Specifications

- Appendix A1 PPR - Track Specification
- Appendix A2 PPR - Shed Specification
- Appendix A3 PPR - Track Handover

Appendix C – Drawings

- Appendix C1 PPR - Shed Drawings
- Appendix C2 PPR - Track Drawing Contractor Working Areas
- Appendix C3 PPR - Track Drawing Gradient Profile
- Appendix C4 PPR - Track Drawing Site Plan
- Appendix C5 PPR - Track Drawings Alignment
- Appendix C6 PPR - Track Drawings Construction
- Appendix C7 New Engine Shed Block Plan
- PPR Drawing Register

Appendix D – Site and Pre-Construction Information

- Appendix D2 Wessex Water - Poole Park - cricket pitch
- Appendix D3 Wessex Water - Poole Park lake
- Appendix D4 Buried Services Survey
- Appendix D4b - Buried Services - Poole Park stats Combined
- Appendix D5 Arboricultural Constraints Report – Track
- Appendix D6 Arboricultural Constraints Report – Shed
- Appendix D7 Tree Survey Schedule
- Appendix D8 2 Trees - Engine Shed
- Appendix D9 Topographical Survey
- Appendix D10 Topographical Survey
- Appendix D11 - Land Ownership Plan
- Appendix D12 - Location Plan of Poole Park
- Appendix D13 Geotechnical Exploratory Hole Location Plan
- Appendix D13b Geotechnical Exploratory Hole Location Plan#2
- Appendix D14 Geotechnical - Trial Pits Photographic Record
- Appendix D15 Geotechnical Exploratory Hole Logs
- Appendix D15b Geotechnical Exploratory Hole Logs#2
- Appendix D16 Geotechnical Location Plan - Additional Boreholes
- Appendix D17 WAC Results
- Appendix D18 Geochemical Test Results

- Appendix D19 Geotechnical report
- Appendix D20 - Drainage - Poole park cricket pitch
- Appendix D21 - Drainage - Poole park lake
- Appendix D22 Freshwater Lake Footbridge GA 1 of 3
- Appendix D23 Freshwater Lake Footbridge GA 2 of 3
- Appendix D24 Freshwater Lake Footbridge GA 3 of 3
- Appendix D25 Engine Shed Refurb Asbestos Report
- Appendix D26 TF Asbestos screen shots - Station and Shed
- Appendix D27 GAS
- Appendix D28 Southern Electric
- Appendix D29 Engine Shed - Electrical Installation Condition Report