



# Overview of works

## Track Renewal

### Why we are doing it:

We are going to replace the old, worn railway track by lifting it up, removing it, laying a new stone base and relaying new track.

### The equipment that will be used:

To carry out this work we will have on-track rail machines, generators, lights and small hand tools in use within the area. We expect the noise level to be moderate.

## Access Point installation

### Why we are doing it:

We're installing access points at various locations along the route to allow safe access for our teams.

### The equipment that will be used:

Small plant, de-vegetation equipment and hand tools will be utilised. We expect the noise level to be low to moderate.

## Sheet Pile Installation

### Why we are doing it:

We're installing sheet piles into the ballast to support the track and stop it from moving.

### The equipment that will be used:

A road-rail vehicle will be used with an attachment to install the sheet piles along with support from rail workers using hand tools. We expect the noise level to be moderate to high.

## OLE SPS Wiring Installation

### Why we are doing it:

We are installing new overhead lines, together with support equipment which we call 'Small Parts Steel' or 'SPS'. This will be used to support the conductors which will supply power to the electric trains that will use the route.

### The equipment that will be used:

Road-rail vehicles, cranes and hand tools will be used during for the installation. We expect the noise level to be moderate.

## Sheet Pile handrail installation

### Why we are doing it:

We are installing handrails onto the sheet pile walls to prevent falls from height.

### The equipment that will be used:

An RRV will be used on the weekends to distribute handrails out to the required locations. Small hand tools will be used when working on days. We expect the noise level to be low to moderate.

## Signal Base Foundations and Laydown/Walkways

### Why we are doing it:

We're installing foundations to support signals, which we call piling. Once the cylindrical steel piles have been installed, we then begin to erect signals. Piling involves driving the piles deep into the ground. The laydown and walkway areas are for the safe access and maintenance of the signals. Also, the breaking out of existing bases needs to be undertaken.

### The equipment that will be used:

We will be using an attachment mounted to a road-rail vehicle – this will be used to vibrate cylindrical steel piles into the ground. If the piles refuse, a hydraulic hammer will be mounted to the vehicle to place the cylindrical steel piles into the ground.

A road-rail vehicle will take the materials for the laydown and walkways to the specified locations, and these will be installed using small tools. The breaking out of the existing signal base will be removed by the use of a handheld breaker. We expect the noise level to be moderate to high.

## Installation of Location Cabinets

### Why we are doing it:

We're installing cabinets for power and telecoms supplies.

### The equipment that will be used:

Materials will be transported to site using a road-rail vehicle and hand tools will be used. We expect the noise level to be low to moderate.

## Cable Route Installation

### Why we are doing it:

We are installing new cable along the route, which will power and support the upgrade.

### The equipment that will be used:

Hand tools only - no on track plant required. We expect the noise level to be low to moderate.

## Trough Route Installation

### Why we are doing it:

We are going to install new troughing to house and protect new cables along the length of the railway line.

### The equipment that will be used:

A road-rail vehicle will deliver the troughing and ballast. A road-rail vehicle, excavator and hand tools will be used for installation. We expect the noise level to be low to moderate.

## Culvert works & Overbridge Works

### Why we are doing it:

We are carrying out this work to strengthen existing culverts.

### The equipment that will be used:

An excavator/telehandler and small tools. We expect the noise level to be moderate.

## Church Fenton Superstructure works

### Why we are doing it:

Construction of a building for a power supply point.

### The equipment that will be used:

Excavator, small plant, and hand tools will be used for installation. We expect the noise level to be low to moderate.

## Lineside fencing installation

### Why we are doing it:

We are installing fencing to prevent unauthorised access to the line.

### The equipment that will be used:

A road-rail vehicle will be utilised on the weekends and midweek nights to distribute the fencing out to the required locations. Small hand tools and excavator will then be used when working on both days and nights. We expect the noise level to be low to moderate.

If you have any additional questions or concerns, visit [www.networkrail.co.uk/contact](http://www.networkrail.co.uk/contact) or telephone our 24-hour National Helpline on 03457 11 41 41.

