

## Crossrail C350 - Pudding Mill Lane Portal



**TOTAL COST** £87M  
**COMPLETED** 2016  
**DURATION** 4Y10M

### RESPONSIBLE BUSINESS



#### Sectors

- Transport, Rail

#### Project profile

- Part of the £14.8 billion Crossrail project to construct a new railway connecting existing rail networks in East and West London.

#### Consultants

- Civil engineering - URS
- Architects - Weston Williamson

#### Client

- Crossrail

#### Stage

- In progress

### Project Description

The project comprises the construction of a tunnel portal and a new elevated Docklands Light Railway station at Pudding Mill Lane, plus associated structures to bring the subterranean railway into the above ground existing rail network. The project will also link new Crossrail tunnels to the existing Network Rail infrastructure.

Associated works include a reinforced earthwork embankment, six span viaduct and a number of other bridge structures, to realign the track and link to the existing railway.

The project scope also includes full mechanical and electrical work for both the station works, all track and rail systems, plus highways and hard landscaping works.

### Responsible business



#### Enhancing communities

Ten apprentices have been appointed from the Building Crafts College, Stratford, and have been employed in various roles, receiving formal vocational training and development. Two of these apprentices have won awards as part of Crossrail's Apprentice Awards in 2013.



#### Improving the environment

Throughout the project the team has maintained a careful focus on the amount of recycled content that can be used in both the permanent and temporary works. Highlights include:

### Highlights

- 1,000,000 hours worked without a RIDDOR reportable incident
- Excellent levels of collaboration and innovation

### Location

- London

### Project key facts

The project involved some complex planning and engineering to ensure that the mandatory Olympics close down period was achieved. Construction has been completed within an area bounded by the existing Docklands Light Railway line and station at Pudding Mill Lane to the north, and surrounding rivers and canals.

### Related news

Morgan Sindall Construction & Infrastructure contributes to parent company half year results

CIHT Diversity and Inclusion Award for M5 Oldbury Viaduct

Morgan Sindall Infrastructure recognised for inspiring change

### Related Links

Rail

Transport

- 32,000 tonnes of reused material incorporated into the DLR earthworks embankment has been imported from a site in Bexleyheath and the adjacent Olympic Park legacy works
- 7,500 tonnes of concrete broken out on site has been crushed and re-used as pile mat and structural fill material.
- 7000 m<sup>3</sup> of contaminated material has been remediated at a hub facility and re-used on a golf course in Essex.

### Challenges

- The portal is located in a heavily congested site adjacent to the former Olympic park, one kilometre south west of Stratford Station.
- Maintaining safe access to the current Pudding Mill Lane DLR Station.

### Partners

Morgan Sindall Professional Services

### Awards

RoSPA Gold Award for Safety Performance

Crossrail Green Line Environmental Award for Environmental Professional

Crossrail Green Line Environmental Award for Innovation

Considerate Contractor Scheme: Two Bronze Awards

Crossrail Sustainability Awards: Commercial Sustainability Award

Crossrail Apprentice Awards 2012