



<b>Project Title:</b>	Merthyr Tunnel
<b>Client:</b>	Highways England
<b>Date of Work:</b>	July 2014

Project description

The work involved the provision and installation of a corrugated steel liner through a section of the tunnel to a total length of approximately 25m from chainage 25 to 26.25ch and grout round the annulus. The access culvert was constructed of corrugated galvanised steel sheets bolted together to form a circular structure, formed from the LinerPlate 2-flange system to the R55 profile 3mm thick produced by Asset International.

The project consisted of:

- Establishment of Site Compound
- Setting up Tunnel
- Scaffold Crash Deck Erection
- Tunnel Liner Installation
- Construction of concrete base and ramps
- Installation of internal props and kentledge inside the liner
- Shuttering ends of liner
- Foamed Concrete pour
- Grouting exercise
- Removal of shuttering

Project Constraints

- Ecology.
- Public Interface.
- Poor condition of structure.
- 3<sup>rd</sup> party negotiations (landowners).
- High Level access.
- Plant and Materials delivery logistics.
- Site Security.
- Confined Space Working.

