

Hearn Street Shaft & Tunnels



Supply and labour plant and materials to excavate and construct sprayed concrete enlargements within existing 2.85m ID tunnel. Two enlargements up to 6metre diameter were formed one for launching of TBM.

Works involved constructing a 3m diameter sprayed concrete lined shaft 15m deep within and below an existing live substation in poor ground conditions.

Upon completion of the shaft Shotcrete then drove the TBM segment lined tunnel from one of the enlargements to the shaft.

Considerable challenges were overcome with the extremely restricted site logistics and constructing the works within a live substation environment.

Key aspects

- Restricted site logistics
- Works within Live substation
- Grouting and soil stabilisation
- High class finish and accuracy on Sprayed Concrete

KEY ASPECTS:

Restricted site
logistics

Works within Live
substation

Grouting and soil
stabilisation

High class finish
and accuracy on
Sprayed Concrete

CLIENT

J Murphy & Son
for UK Power
Networks

COMPLETED

June 2014

