M235 REPLACEMENT OF OVERHEAD CROSSING AT AMINGTON, STAFFORDSHIRE

Client:
UKOP/BPA

Principal Contractor
A E Yates Trenchless Solutions Ltd

Programme
July– September 2016

Summary
1No pre-piled cofferdam (10m x 2.4m - piles extend 5m above GL to prevent water loss from canal. 1No 150m long HDD x 10” steel pipe under canal. .25m and 10m x 10”mm dia open cut steel pipeline. Connection to existing fuel pipeline system during annual shutdown. Removal of existing pipe bridge over canal. Grout to abandon existing fuel pipeline after new system is in operation.

PROJECT DETAILS

The 250mm NB Mersey to Kingsbury pipeline currently crosses the Coventry Canal at Amington, Staffs via an overhead crossing. The pipeline transports refined petroleum products. Regulations 15 of the Pipeline Safety Regulation 1996 places a duty on the pipeline operator to ensure pipeline structures (buried or above ground) are prevented from serious damage as may give rise to danger to persons. Therefore, in addition to maintaining restricted public access to above ground crossings, the company must ensure as far as is practicable that the pipelines are protected from damage by third party interference thereby minimising or eliminating the risk they pose to the public. The accessibility of the above ground crossing at Amington elevates the risk of damage to the pipeline by third party interference, and injury to the general public, with a possible breach of containment leading to fire and/or environmental pollution. The risk of pollution is heightened since the crossing is above a waterway. BPA therefore require this crossing to be replaced with a buried section of pipeline. Following re-commissioning of the pipeline, the existing overhead crossing is to be removed and the remaining buried sections of pipeline filled with grout and capped. Ground Conditions: CLAY