

# ROD PULLING PIPE BURSTING CASE HISTORY



Sewer Rehabilitation From Perco



**Client:** Alfred McAlpine/GWESPA  
**Project:** Sewer Upgrade by Rod Pulling, Yarnton, Oxfordshire  
**Sub-contractor:** Perco Engineering Services

Trains on the Oxford-Worcester (OWW) line kept running in safety, as Perco renewed an under-track, brick lined culvert by rod pulling, in July 2004.

The six-week renewal project, to burst and reline the culvert near Yarnton with 600mm MDPE pipe, involved three days work. The burst was done in just two hours by a Perco team working under contract to Alfred McAlpine, within the Great Western Earthworks and Structures Partnering Arrangement (GWESPA).

Careful planning and control of the 225-tonne rod puller ensured that the burst constantly adhered to a 10mm tolerance in relation to heave, settlement, twist and cant, while working under less than 4m of cover.

Whilst as a contingency, a gang was on hand to hand-pack the track to correct rail height, it was never needed, as the heave at track level was just 3mm.

Project Director Phil Bowcock commented: "Like many hundreds of

similar structures within the GWESPA project, this culvert on the OWW had been under close monitoring. The renewal method used by Perco has extended its life indefinitely, without having to stop the train services at any stage."

**For more information regarding this project please contact our Sales Director Nick Sheehan on 01604 590200**