

case study: Culvert Reline



project: Macline and Cowra Reline

client: ITS Trenchless

location: Western Australia

product: Flowtite GRP Piping

manufacture & supply: 676m DN1200—DN3000, PN6 SN10000 in 6m lengths,
REKA Rubber Ring Jointed

value: \$750,000—\$1,000,000

year of project: 2011

description: The steel culverts under a privately owned railway line were failing due to corrosion.

Flowtite GRP with its inherent corrosion resistance and high integral stiffness was a quick and lightweight solution to the problem and provides a service life of 100 years +.

The GRP lengths were slip lined into the existing steel culvert and grouted structurally into place providing a total stiffness (ability to handle traffic loading) above that required in the original install.

An unique feature of Flowtite GRP, was during transportation to site, the various sizes were 'nested' inside each other thereby maximising freight and reducing transportation costs.

