



**Case Study Category:** CostWW

**Case Study Title:** Cost Case Study (Carroll County, MD): Annual Maintenance Contract to Provide and Install Cured In Place Pipe

**Utility Name:** Carroll County, MD

**Case Study Abstract:** Annual maintenance contract, with unit prices and no pre-set volume, for the CIPP lining of 6" to 12" pipe. "The Carroll County Bureau of Utilities (BOU) requests bids from qualified firms to provide all labor, materials and equipment required for the Cured In Place Pipe (CIPP) Liner for the rehabilitation of sanitary sewer and storm water pipes. CIPP is a flexible tube made of fiberglass impregnated with thermosetting resin. The soft tube is placed inside a deteriorated host pipe either by insertion. Once in place the liner is cured via exposure to ultraviolet (UV) light. The finished product is continuous and tight fitting to the host pipe. The liner should provide hydraulic flow similar or greater than hydraulic flow of the original host pipe. All CIPP shall be manufactured, transported, stored and installed per the manufacturer's standards."

**Case Study Link:** <http://waterid.org/content/cost-case-study-carroll-county-md-annual-maintenance-contract-provide-and-install-cured-plac>