

Project F207: Inspection of culverts and pressure pipes



Field research: Inspection of a pressure pipe

This is a two Phase project examining the inspection and condition-surveying of pressure sewer pipes and culverts.

In Phase 1, the methods of use, preconditions for use and costs of available technologies for surveying the condition of pressure sewer pipes were collated. Their potential for use in pressure sewer pipes was evaluated and recommendations made.

In Phase 2, the emphasis here will be on the implementation of the recommendations for action drafted in Phase I. Factors that might cause damage to pressure sewer pipes are to be identified, order to provide operators with specific aids to enable more reliable evaluations of condition. The extent to which general principles can be evolved for the determination of condition-survey intervals will be clarified.

Inspection procedures tailored to pressure sewer pipes and recommendations for action for hydraulic pressure tests are also to be developed. A requirement profile for inspection technologies will be drafted, in order to induce manufacturers to further develop technologies adapted to suit pressure sewer pipes.

Project title

“Inspection and condition-surveying of pressure sewer pipes and culverts: Recommendations for action on technical and economic criteria – Phase II”

Project management

IKT - Institute for Underground Infrastructure

Project participants

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Client

Ministry for Climate Protection, Environment, Agriculture, Nature Conservation and Consumer Protection of the German State of North Rhine-Westphalia (MKULNV)

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