

*ElectroScan Pilot Study Guidelines

The Rules

Pilot Study Objectives

- Verify that Electro-Scanning detects all types of potential leaks reliably and accurately.
- On site experience for planning and budgeting a full scale FELL-ElectroScan program, or system procurement.
- Demonstrate that any targeted rehabilitation is justified by using accurate pipe defect leak location.

Recommended Pipe Selection Criteria

1. Pipe diameter between 6 inch and 10 inch

Although pipes up to 60 inches can be tested the difficulty of accessing larger pipes would limit the pipe length tested in the short time available for the pilot study.

2. Pipes that are being considered for rehabilitation.

Electro-Scanning can then be seen as part of an overall assessment program that may include flow monitoring, CCTV inspection and/or joint air pressure testing, either carried out before or after the ElectroScan test. This would be followed by rehabilitation and testing of the rehabilitation's effectiveness.

3. Test sections are located along low traffic density streets (backyard easements are OK).

Setting up traffic control can take considerable time and limit the time available for ElectroScan testing.

4. The pipe depths are less than 20 ft.

Although actual testing can be carried out in pipes at any depth, additional set-up time for these locations would take away time for the study.

***ElectroScan Studies are available within the continental USA only.**

Leakage Consultants

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Field Support Required by the Utility.

1. Two man sewer access crew, support vehicle and equipment.

2. Traffic control.

For low traffic density streets all that is usually required is "road work" warning signs and "cones" around the open man-holes that may restrict traffic to a one lane in the region of the manhole.

3. A water source for filling a small section of the sewer with water.

Usually, 6 inch and 8 inch sewers do not have sufficient flow for them to fill sufficiently to carryout the test in a reasonable time (10 to 15 minutes).

Access to nearby fire hydrants and hoses or a tanker truck is usually sufficient.

4. Highly Recommended -

Sewer Jet Cleaning Truck.

Provides a demonstration of how ElectroScan can be integrated into regular sewer maintenance operations and can be used as source of water for partially filling the pipe.

5. Pipe Preparation

Pipe is sufficiently free of obstructions for a 3 inch diameter sonde to pass through the pipe.

A complete 'Scope of Work' will be provided when a project is scheduled.

Fees

Pleasantly priced at \$5,000, which includes mobilization within Zone 1 (200 mile radius from Nashville, TN), and 3 days of on-site evaluation. Required accessories, e.g., pipe plugs, are not included.

The typical schedule allows for Monday and Friday as mobilization/travel days, with Tues., Wed. and Thurs. as performance days.

Yes, I want to reduce I & I. Please contact us about an ElectroScan Pilot Study.

Please sign below. Fax to 615.451.5044.

_____, Date _____
(Signature)

(Print Name)

_____, Ph: _____
(Utility Name)

(Address, City, ST, Zip)

(e-Mail Address. Optional.)