# *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 PDQ Electro-Scan 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 manholes 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 $7,000, 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.)