

SPECIFICATION FOR SEWER LINE SMOKE TESTING
(As provided by Superior Signal Co., Inc.)

1. Scope of Work:

- (1.1) This project shall consist of all labor, materials, equipment and supervision; and performing all work necessary to smoke test and document all identifiable and significant sources of inflow within the designated sewer system.

The work shall consist of performing the following tasks:

- A. Pretest procedures
- B. Traffic control
- C. Test site set-up
- D. Test site survey

- (1.2) The area of work to be performed shall be at those locations shown on the enclosed drawings and made part of these specifications.

2. Pretest Procedures

- (2.1) In cooperation with the owner, the contractor will create a test site schedule taking into consideration unique sections of the collection system such as cross connected storm/sanitary; heavy flow sections; traffic patterns.
- (2.2) Determine responsibilities for media project information; daily test location notification to police and fire departments; advance notices, door to door, 24 hours before the tests.

3. Traffic Control

- (3.1) Since the work is performed in the roadway, proper safety procedures are to be established to protect workers and equipment.

4. Test Site Set Up

- (4.1) A smoke testing crew requires a minimum of two persons.
- (4.2) Equipment required includes: Smoke test blower and smoke materials; sewerline stoppers; documentation equipment and supplies; manhole safety equipment.
- (4.3) A test site will consist of one or more manhole sections.

5. Test Site Survey

- (5.1) The crew documents significant and identifiable points of inflow. Documentation should be referenced to each manhole section tested (e.g.: A01-A02) Sketches, field notes, portable tape recordings, manual or computer generated data, photographs can be used to record test results. (*)

6. Measurement of Payments

- (6.1) Smoke testing is usually paid for at the unit price bid per linear foot of main sewer line 1

tested. Measurement of the number of feet tested is measured from the center of manholes. A written report including documentation and photographs is included in the unit price bid.

(*) NASSO, Inspector Handbook For Sewer Collection System Rehabilitation pg. 77