

**AMENDMENTS TO OPSS 409 (APR 99) –
CONSTRUCTION SPECIFICATION FOR
CLOSED CIRCUIT TELEVISION INSPECTION OF PIPELINES ¹**

OPSS 409.05.01 is superseded by:

All cassette video tapes shall be a minimum of high quality, T120 length, unused and Super VHS format.

The third paragraph of **OPSS 409.07.01** is superseded by:

A fixed camera shall be used for pipelines less than 200 mm in diameter. For pipelines equal to or greater than 200 mm a pan and tilt camera shall be used.

OPSS 409.07.05 is superseded by:

Reports shall be submitted to the contract Administrator in the following formats, within 10 working days of the completion of the field work, with the noted number of copies.

- a) One bound copy of the printed report in book format with serlox binding that must include:
- A copy of each Community map to reference work locations.
 - A sleeve bound behind the last page to adequately hold each map.
 - Photographs of pipe defects as requested.
 - A hard cover with the following information:
 - Book and video numbers.
 - The community area (only one per book).
 - Inspection dates.
 - Sewer section numbers (e.g. 6439 to 6514)
 - Total meters inspected in that book.
- b) Two 3.5 inch computer disks each containing the identical survey report information.
- c) One copy of the video recording.
- d) Two CD-ROM renderings/copies shall be provided by the contractor.

Each CD-ROM shall be capable of having up to 2 hours of Full Frame Colour Video encoded onto it (i.e. one CD-ROM per video) in one continuous MPEG file.

The CCTV data must also be CD-ROM compliant in that the video digits in the data accurately reflect the position on the CD-ROM.

1. All references to OPS specifications that have been amended (as noted in LIST W3) are superseded by references to the replacement City of Toronto specifications (as given in LIST W3).

The CCTV video recording (CD version) must be indexed to the textual data. The field survey must record the time index on the video which shows the images corresponding to the text record. The indexing must include the start time of the entire survey and the exact time number for each pipe feature/defect recorded in the data.

This indexing will permit the user to view a particular sewer pipe or a particular feature/defect in a pipe, after inserting the appropriate CD, and then Advance to the stored time index in the MPEG file, then display the image(s).

All required header information fields shall be completed and verified for correctness. The software used to produce the survey report shall not allow the operator to continue inputting information until the preceding field has been completed. The report shall be machine printed and presented according to the MSCC.

All dimensions in the survey report shall be metric.