



Television Inspection Requirements for Sewer/Storm

- The City has a primary responsibility to protect and maintain its facilities, and prevent sewage spills that could create public health hazards or damage to the environment.
- Identify critical repair/rehabilitation needs and prioritize these repairs.
- Display results on a map.
- Develop a condition rating for each line.
- Establish benchmarks to compare with future inspections of the same pipe.
- Gain a good understanding of the condition of a pipe.
- Document video still images and data.
- Television all manholes shall be panned with the video camera and visually inspected.
- Contractor shall confirm all information is correct with map pipe size, length, material, flow direction inside the pipe, and upstream manhole and downstream manhole.
- Pipe gradient shall be continuously recorded.
- CCTV contracts shall have pre-cleaning activities including hydro-cleaning as well as mechanical cleaning equipment where necessary to clear the pipe and allow video capture of the entire length of pipe.
- For new pipe construction acceptance inspection, nearly 100 percent of the circumference of the pipe wall circumference must be visible.
- A small amount of water will be introduced for purposed of sag identification.
- A target set in front of camera to identify sag measurements.
- Quality picture and audible records.
- Suitable camera speed, lighting, and panning.
- Accuracy when recording file names and electronic data.
- Camera speed should not, at any time, travel at a rate of more than 30 feet per minute.
- The camera speed should be steady or slower when recording features and defects.
- All video and still pictures images must be clear and sharp.
- The recorded image from the CCTV camera must be free of fog or haze in the pipe.
- If the camera lens becomes obscured with condensation, grease, scum, or debris, the camera should be removed from the pipe and cleaned.
- Still picture captures for all observed defects with a severe rating.
- Picture file naming with footage location of the defect or observation to the nearest foot.
- All observation, including lateral taps along the length of the pipe shall be narrated.
- Provide a copy of the CCTV on a CD, DVD, or USB flash drive and recorded in an unprotected digital format (.mpg or .avi) within one week after the video inspection was completed.