

Applied Foundation Testing



Drilled Shaft Inspection Device

Introduction:

A visual inspection system for evaluating bottom cleanliness of drilled shaft excavations. A special video camera contained in a bell housing is lowered to the shaft bottom. The bell housing is fitted with gages, which measure the sediment depth at the shaft bottom. The system is capable of testing shafts with depths up to 250 feet. The inspection is viewed on a video monitor in real time and recorded on digital media.



Technical Data:

- Stainless steel inspection bell with digital video camera and lighting system, dolly and lifting harness.
- Electric winch with 250 foot cable and remote control.
- Video Control Unit comes in a Pelican case with: DVR, LCD Monitor, and battery supply. Comes with ability to output to a second monitor during inspections.
- In addition to video, still shots at selected times can be captured for importing into reports. DVR records to a thumb drive that outputs as an .mp4 file. A simple program supplied by the camera manufacturer is used to combine the audio and video files. Finished recordings are .mp4 format.
- 250 feet of air, water, and video umbilical cable on electric power reel.
- Air and water supply unit used during inspections (water tank 3 gal).
- Compressed air regulator with air/water separator and adaptor for compressed nitrogen use
- Honda 3000 Generator capable of running on propane or gasoline
- Wash down water system with tank (50 gallons) and pump for cleaning the device after inspections.
- Trailer with interior lighting (6ft x 10ft) and external lifting frame.
- 3,500 lbs overall gross weight.



Contact **APPLIED FOUNDATION TESTING** for further information

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