SMARTSTRUCTURES

MINI SID

Smart Structures Smart SID

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 bellhousing is fitted with gages, which measure the sediment at the shaft bottom. The system can test shafts with depths up to 450 feet. The inspection is viewed on a monitor in real time and recorded on tablet.

TECHNICAL DATA:

- Stainless steel inspection bell with HD video camera and lighting system.
- Electric winch with stainless steel cable and hand-held control
- Video Control Unit (VCU) Is a wall mounted box with rugged tablet to monitor and record. Includes auxiliary port for viewing on optional second monitor.
- 225 feet of air, water and video umbilical cable on powered reel are standard. We offer custom lengths of up to 450'
- Compressed air regulator with air/water separator, and adaptor for compressed nitrogen use.
- Slide mounted Honda 3000-watt generator powers all onboard equipment as well as the electric winch.
- Wash down system with 20-gal water tank for cleaning after inspections.
- All equipment housed in custom built in enclosure

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