



Emergency Purchase Number: AFF 11-06

Office/Division: Division of Highways

Address: 2300 South Dirksen Parkway
Springfield, IL 62764

Chief Procurement Officer: Bill Grunloh

Vendor: Bridge Diagnostics, Inc.

Address: 1965 57th Court North, Suite 106
Boulder, CO 80301-2826

Estimated Cost: \$150,000

Final Cost: \$133,646.72

This expenditure is justified as:

- An emergency involving public health.
- An emergency involving public safety.
- Necessary to protect State property from further loss or damage.
- Necessary to prevent or minimize serious disruption in State services.
- Necessary to insure integrity of State records.
- Quick purchase as provided by Section 20-30 (d) of the Illinois Procurement Code.

The conditions and circumstances requiring this emergency expenditure are:

Interstate 72 bridges over the Sangamon River (structure numbers 084-0152 & 084-0153) each have a substructure unit sinking due to mine subsidence. Additional settlement of these substructure units will eventually cause these structures to no longer be able to safely carry vehicular traffic, and will have to be closed. IDOT staff currently are continuously on site monitoring these structures to determine if the structures should remain open to traffic. A monitoring system capable of measuring the settlement and/or rotation of these substructure units on a 24/7 basis will be installed that will notify various individuals when a threshold or thresholds have been exceeded so the bridge or bridges can be closed prior to collapse.

Structural Monitoring Systems and Bridge Diagnostics, Incorporated were contacted for quotes to install their respective monitoring systems on these bridges; however only Bridge Diagnostics Incorporated was able to provide and install the equipment within the timeframe requested.