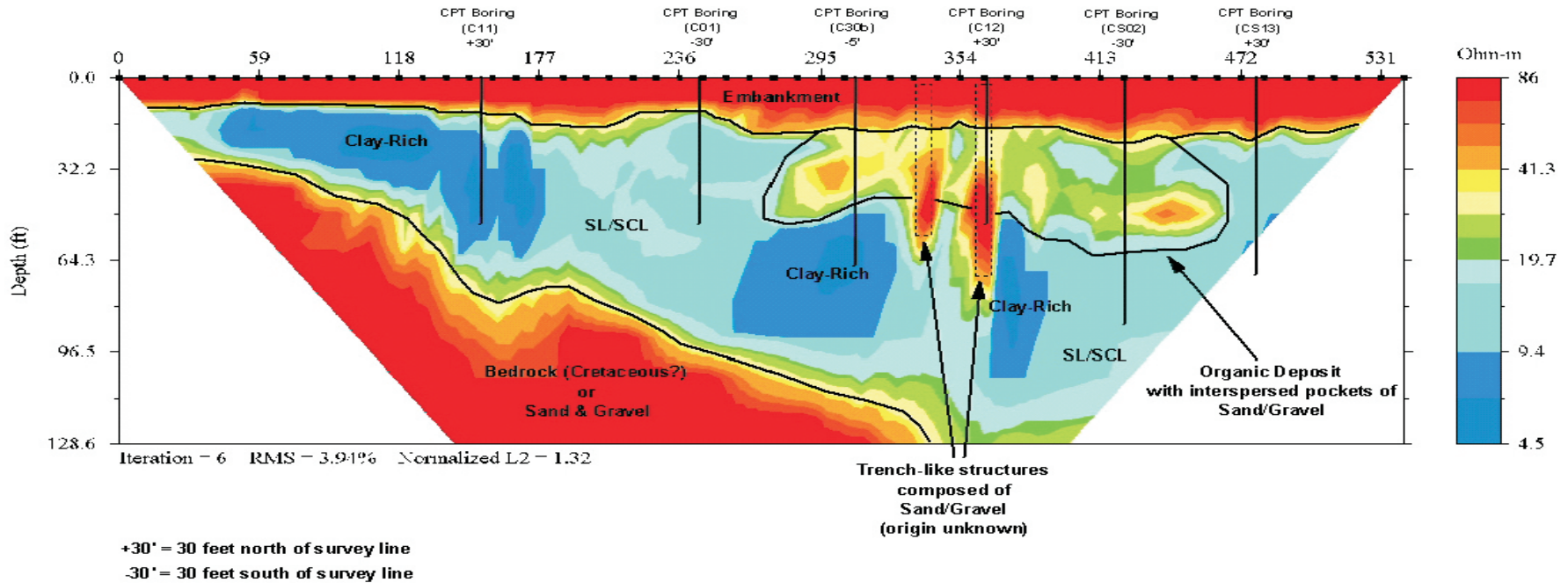


# Road Subsidence Geotechnical Investigation

SP7306-93 (TH23 at 9th Ave.)  
Electrical Resistivity Profile



Resistivity Imaging was performed along the inslope of an embankment. The goal was to map lithology below the pavement and identify organic deposits which cause road subsidence.

- Objective:** Roadway Geotechnical Survey for lithologic and organic deposit mapping
- Survey date:** November, 2006
- Survey site:** St. Cloud, Minnesota, USA
- Instrument:** SuperSting R8/IP with 56 electrodes at 10 ft spacing
- Electrode array:** Dipole-dipole
- Processing:** Inversion of data using EarthImager 2D inversion software
- Units:** Feet and Ohmmeter



SuperSting 8-channel Resistivity Instrument by



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Data courtesy of the Minnesota Dept. of Transportation, MN USA