

*Metropolitan Atlanta Rapid Transit Authority  
(MARTA):  
Redding Road*

<b>Project:</b>	MARTA Redding Road Slope Monitoring
<b>Client:</b>	Massana Construction
<b>Location:</b>	Embankment North of Redding Road, Chamblee
<b>Completion</b>	Completed



**Objective:** To protect the structural integrity of exiting rail infrastructure by monitoring potential slope movement along embankment north of Redding Road in Atlanta.

In 2013, MME was contracted by Massana Construction to furnish and install instrumentation that will allow for the monitoring of the existing embankment supporting resiliency supported track and ballasted track, north of Redding Road near MARTA's Chamblee Station. MME's services included the installation of a Sondex Settlement Monitoring System comprising:



- Inclinerometer Casing
- Inclinerometer Casing Caps
- Sondex Corrugated Pipe for 70 mm Casing
- Sondex Bottom Cap
- Couplings for Sondex Caps – 30
- Sensing Ring Installation Material

The Sondex Settlement System is used to monitor settlement and heave in excavations, foundations, dams and embankments. It can be installed behind retaining structures such as sheet piles and slurry wall, and above underground openings such as tunnels, shafts, and as in the case, drilled boreholes. The Sondex system consists of a probe, signal cable, a cable reel with a built-in voltmeter and a number of stainless steel sensing rings.

