

BULLETIN

News from SubTerra, Inc.®

Microtunnel Settlement Monitoring- Interstate-5 Pierce County, Washington

SubTerra, Inc was hired by E.J. Rody and Sons construction company to install and monitor a Slope Indicator sondex settlement system above a microtunnel alignment under I5 between Seattle and Tacoma in Pierce County, Washington.

SubTerra's scope of work included:

1. Installation of the multi-point sondex system in an augered borehole in the I5 safety lane (see photograph).
2. Monitoring vertical displacements during construction.

The site was just beyond a very busy exit ramp and adjacent to traffic moving at interstate highway speed requiring traffic control and a site specific safety program conforming to WSDOT requirements.



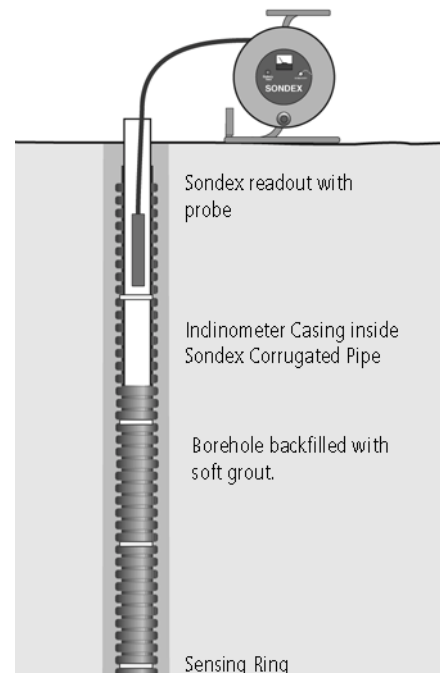
Installation was further complicated by the presence of overhead power cables that limited the allowable height of the drill rig.

SubTerra subcontracted Gregory Drilling who used a truck mounted rig to advance the instrumentation borehole through fill,

sand, and gravel to just above the planned microtunnel horizon.



SubTerra instrumentation technicians installed the SI Sondex system.



Courtesy Slope Indicator Company