

# HENNEPIN COUNTY

## MINNESOTA

## Solid stem auger drilling

### Description

The proposed work and services consist of taking solid stem borings and providing a detailed boring log. Investigations will identify and locate borings, both horizontally and vertically. boring logs shall identify the in-situ pavement structure, soils, rock, ground water conditions, and establish the characteristics of the subsurface materials visually, by sampling, and by laboratory testing according to MnDOT standards and specifications.

### Standards and specifications

All tasks will be performed in accordance with current ASTM, AASHTO, and MnDOT standards and specifications. All investigations will be conducted in accordance with current Minnesota Department of Health Regulations as well as MnDOT Specifications. The current MnDOT Specifications for Soils Investigation can be found at: <https://www.dot.state.mn.us/materials/geotmanual.html>

### Provided by Hennepin County

Information to be supplied by Hennepin County for a project may include the following:

- Plans showing existing topography, proposed alignments, existing and proposed profiles, and locations of the existing and proposed structures.
- Information (plans) showing property ownership information for boring locations off of State Right-of-Way.
- American Society for Testing and Materials (ASTM), American Association of State Highway & Transportation Officials (AASHTO), and MnDOT Manuals and Standard Specifications.

### Typical services

Project deliverables may include the following:



- Boring plan, soils profile, electronic boring log, field notes (if required), laboratory samples, and cross sections (if required). All work shall be performed to the extent necessary for the design of the most economical, uniform, and stable roadway.
  - A copy of the driller's field notes (if required)
  - Final boring logs in paper and electronic format using MnDOT's "Soils Data Dictionary"
  - Soil samples for laboratory testing when requested
  - Weekly progress reports
  - Minnesota Department of Health sealing records