

## Materials sampling and testing - Field sampling and testing

### Description

Materials sampling and testing includes the sampling and testing of all component materials used on the project and submittal of samples to the Hennepin County Materials Laboratory for testing or other laboratory if directed by Hennepin County. Field testing may include, but is not limited to, concrete (air tests, slump tests, cylinders, etc.), plant inspection, bituminous (asphalt cement samples, temperatures, quantity weigh tickets, gradations, etc.), grading and base materials (gradations, moisture, density, etc.), and pile driving (driving depth, etc.). Materials not meeting the designated criteria are to be rejected and not incorporated into the work.

### Standards and specifications

May include the following:

- Materials testing will be done in accordance with current MnDOT Schedule of Materials Control and MnDOT Standard Specifications for Construction or as modified by the Contract special provisions.
- Where the MnDOT Schedule of Materials Control specifies laboratory/agency testing, those tests will be performed at the identified Hennepin County Materials Laboratory.
- Vendor will be responsible for delivering the samples to the identified Hennepin County materials laboratory.
- All testing is performed on testing equipment that is calibrated at least once per year, or at the specified intervals, in accordance with MnDOT's Laboratory, Bituminous, Concrete and Grading and Base Manuals.

## Provided by Hennepin County

Information to be supplied by Hennepin County for a project may include the most recent version of some or all of the following:

- Contract documents
- MnDOT Schedule of Materials Control
- MnDOT Standard Specifications for Construction
- MnDOT Bituminous Manual
- MnDOT Concrete Manual
- MnDOT Laboratory Manual
- MnDOT Contract Administration Manual
- MnDOT Grading and Base Manual
- MnDOT Bridge Construction Manual
- MnDOT Bridge Standard Plans
- MnDOT Standard Plans Manual
- MnDOT Standard Plates Manual
- MnDOT Standard Signs Manual
- MnDOT Technical Manual
- MnDOT Traffic Engineering Manual
- MnDOT Labor Compliance Manual
- MnDOT Technical Certification Handbook
- MnDOT Technical Memorandums
- Staking Information Sheets
- Minnesota Manual of Uniform Traffic Control Devices (MN MUTCD)
- MnDOT Landscape Projects Manual

## Typical services

Project deliverables may include the following:

- Materials sampling and testing – Field sampling and testing project-specific reports and documents
- Daily diaries, logs and records for a record of the contractor's progress
- Documentation of materials sampling and testing
- Necessary concrete, bituminous and grading and base reports