

Work Type Definition and Submittal Requirements
11.6 Materials Sampling and Testing- Plant Inspection/ Concrete

Work Type Definition

Pages 1-2 detail the work type definition. In order to become *pre-qualified* for this work type, please see the “Work Type Submittal Requirements” on page 3.

I. Description

Materials sampling and testing includes the sampling and testing of all component materials used on the project and submittal of those samples to the MnDOT Materials Laboratory. Field testing may include, but is not limited to, aggregates, concrete (air tests, slump tests, cylinders, etc.) and plant inspection. Materials to be incorporated in the project work not meeting the designated criteria are rejected.

II. Standards and Specifications

Standards and specifications required for a project under this work type may include the following:

- A. 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.
- B. Where the MnDOT Schedule of Materials Control specifies laboratory/Agency testing, those tests will be performed at the identified MnDOT Materials Laboratory.
- C. Consultant will be responsible for delivering the samples to the identified MnDOT District Materials Laboratory.
- D. 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 and Concrete Manuals.

III. Provided By MnDOT

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

- A. Contract Documents
- B. MnDOT Standard Specifications for Construction
- C. MnDOT Bituminous Manual
- D. MnDOT Concrete Manual
- E. MnDOT Laboratory Manual
- F. MnDOT Contract Administration Manual
- G. MnDOT Grading and Base Manual
- H. MnDOT Bridge Construction Manual
- I. MnDOT Bridge Standard Plans
- J. MnDOT Standard Plans Manual
- K. MnDOT Standard Plates Manual
- L. MnDOT Standard Signs Manual
- M. MnDOT Technical Manual
- N. MnDOT Traffic Engineering Manual
- O. MnDOT Labor Compliance Manual
- P. MnDOT Technical Certification Handbook
- Q. MnDOT Technical Memorandums

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- R. Staking Information Sheets
- S. Minnesota Manual of Uniform Traffic Control Devices (MN MUTCD)
- T. MnDOT Landscape Projects Manual

IV. Provided by Consultant

Deliverables to be supplied by the consultant for a project may include the following:

- A. Materials Sampling and Testing—Plant Inspection/Concrete project – specific reports and documents.
- B. Daily diaries, logs and records
- C. Documentation of materials sampling and testing

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Work Type Submittal Requirements

A consultant firm becomes pre-qualified based on the qualifications of the personnel that are employed by the firm and by meeting the demonstrated requirements.

Key Personnel Requirements	
Minimum Number of Staff:	At least one inspector with all the proper professional certifications listed below.
Professional Certification/Licensure:	<ul style="list-style-type: none"> • High school graduate • MnDOT Technical Certification, Concrete Plant Level 1
Work Type Submittal Requirements*	
I. Resume and Relevant Project Experience Form (Form PQ1) <i>Submit in Word format</i>	A. Complete Parts, 1, 1A, and 2 of form PQ1 Part 1: Fill out general information and names of personnel, including other professional and technical support personnel. Part 1A: Fill out for each person listed in Part 1. <ul style="list-style-type: none"> • Demonstrate three (3) years experience in the surveillance and inspection of concrete plant operations. • Satisfactory experience must be demonstrated on at least five (5) projects in the last three (3) years in the activities required for the category of work for which pre-qualification is applied. Part 2: Project Examples are not applicable to this work type. Qualifying experience of staff in the category/level of work must be documented in part 1A. Part 3: Not Applicable for this work type.
II. Proof of Professional Certification/ Licensure <i>Submit in PDF format</i>	A. Provide current copies of applicable Professional Certification/ License.
<p align="center">*Work Type Submittal Instructions:</p> <p align="center">Create a flash drive that includes the following individual files or folders in this order:</p> <p>I. Resume and Relevant Project Experience Form (Form PQ1) II. Proof of Professional Certification/Licensure</p> <p align="center">Each file should be saved in the format identified above. Submit 5 copies of the flash drive.</p>	