

## **Work Type Description: Construction Inspection Grading, Base, Bituminous and Concrete**



### **I. Minimum requirements:**

Inspectors must have the appropriate MnDot Technical Certification.

### **II. Description**

This class of inspection work is intended to assure that grading and base, Bituminous and concrete work performed on Hennepin County construction projects are in compliance with the Contract documents, construction Plan, Contract Special Provisions, MnDOT State Aid Rules, MnDOT Standard Specifications for Construction, MnDOT policies, procedures and standards, Occupational Safety & Health Administration (OSHA) Regulations, and Federal Highway Administration (FHWA) guidelines, as well as any other applicable laws. On-site construction inspection is provided on a full-time basis during construction activities.

The work includes resolution of field problems as quickly as possible. Generally, field problems are any types of difficulties encountered during construction through circumstances that require some degree of engineering evaluation and decision. Field problems may involve situations such as: plan omissions, out of tolerance work, out of specification materials, structural defects, accidental damage, underground obstructions, etc. These problems may have a significant impact on the execution, progress or cost of the project. It is therefore of paramount importance that they be resolved expeditiously.

### **II. Standards and Specifications**

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

- A. All work performed in accordance with Contract documents and applicable specifications, rules & regulations;
- B. Field operations in accordance with OSHA regulations and accepted safety practices;
- C. Timely problem resolution and communication to Engineer;
- D. All work properly measured and documented in a timely manner;

### **III. 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:**

- A. Contract Documents

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### **IV. Provided by Consultant**

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

- A. Grading and Base, Bituminous and Concrete Inspection reports and documents.
- B. Measure and compute quantities of all contract work;
- C. An assembly of all relevant information regarding difficulty, problem or defect encountered;
- D. Proposed remediation of difficulty, problem or defect; E. Field operations reports;
- F. Periodic, intermediate and final data and records;
- G. Diaries, logs, notebooks, accounts, records, reports and other documents; H. Prepare final documentation;
- I. Record as-built drawings documenting changes during construction

#### **MnDOT standards and manuals supplied by the Consultant for a project may include the following: The most recent version of some or all of the following:**

- A. MnDOT Standard Specifications for Construction
- B. MnDOT Bituminous Manual
- C. MnDOT Bridge Construction Manual
- D. MnDOT Bridge Standard Plans Manual
- E. MnDOT Bridge Details Manual
- F. MnDOT Concrete Manual
- G. MnDOT Contract Administration Manual
- H. MnDOT Grading and Base Manual
- I. MnDOT Laboratory Manual
- J. MnDOT Landscape Projects Manual
- K. MnDOT Standard Plans Manual
- L. MnDOT Standard Plates Manual
- M. MnDOT Standard Signs Manual
- N. MnDOT Survey and Mapping Manual
- O. MnDOT Technical Manual
- P. MnDOT Traffic Engineering Manual
- Q. MnDOT Labor Compliance Manual
- R. MnDOT Technical Certification Handbook
- S. MnDOT Technical Memorandums
- T. Minnesota Manual of Uniform Traffic Control Devices (MN MUTCD)