



## Work Type Definition: Traffic Engineering Special Studies

### I. Minimum requirements:

The work to be under the direct supervision of a Minnesota Professional Civil Engineer.

### II. Description

Traffic engineering general operations, safety operations, safety research, and related studies may include, but are not limited to, the following:

#### A. Traffic operations – Option 1

1. Traffic Control Analysis of Signals and Maintenance Planning
2. Traffic Data Field Collection
3. Intersection Control Evaluations (ICE)
4. Capacity Analysis of Highways and Intersections
5. Non-motorized Studies

#### B. Traffic safety – Option 2

1. Crash Analysis
2. Roadway Safety Audits
3. Work Zone Studies
4. Corridor Safety Studies
5. Highway Safety Manual and/or Interactive Highway Safety Design Module Studies

#### C. Traffic investigation – Option 3

1. Behavior Studies
- a. Testing, Monitoring, and Analyzing Environmental Effects of Traffic System Installations
1. Standards and/or Policy Change Analysis
  2. Bicycle, Pedestrian, and other Special User Requirements or Studies

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### **III. Standards and specifications**

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

All tasks and reports will be performed in accordance with current and applicable standards and specifications.

### **IV. Provided by Hennepin County**

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

All applicable standards, guidelines, regulations, codes, and laws governing the tasks performed.

### **V. Provided by consultant**

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

Traffic Engineering Special Study Reports may include the following:

1. Traffic engineering reports.
2. Research reports.
3. Technical reports.
4. Technical presentations.
5. Technical plans, specifications, and cost estimates.
6. Computer models or simulation.