

Traffic engineering special studies

Minimum requirements

Work must be completed under the direct supervision of a Minnesota licensed professional civil engineer.

Description

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

Traffic operations – Option 1

- Traffic Control Analysis of Signals and Maintenance Planning
- Traffic Data Field Collection
- Intersection Control Evaluations (ICE)
- Capacity Analysis of Highways and Intersections
- Non-motorized Studies

Traffic safety – Option 2

- Crash Analysis
- Roadway Safety Audits
- Work Zone Studies
- Corridor Safety Studies
- Highway Safety Manual and/or Interactive Highway Safety Design Module Studies

Traffic investigation – Option 3

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

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.

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.

Typical services

Project deliverables may include the following:

- Traffic Engineering Special Study Reports may include the following:
 - Traffic engineering reports
 - Research reports
 - Technical reports
 - Technical presentations
 - Technical plans, specifications, and cost estimates
 - Computer models or simulation