



Work Type Definition: Transit Planning, Engineering, and Construction Management

I. Minimum requirements:

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

II. Description

Consultant services to provide planning, engineering, or construction management services for Hennepin County transit projects or programs. Transit shall be defined to include bus and rail (light rail, commuter rail, streetcar, other passenger rail, or freight rail) facilities, either County or Regional Railroad Authority owned, or other transit facilities in which Hennepin County has an interest. Consultant services in this work type may include but will not be limited to the following categories:

- **Transit planning** including feasibility studies, comprehensive planning, alternatives analyses, or pre-project development services
- **Transit engineering** including preliminary or final design, or project development services
- **Construction management** services, including inspection/oversight, surveying, and contract management, for work on county or regional railroad authority owned, or other transit facilities in which Hennepin County has an interest

II. Standards and Specifications

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

- A. All work completed must be in accordance with American Association of State Highway & Transportation Officials (AASHTO), Federal Highway Administration (FHWA), Federal Transit Administration (FTA), Federal Railroad Administration (FRA), American Railway Engineering and Maintenance-of-Way Association (AREMA), Minnesota Department of Transportation, private railroad company, or other federal and state laws, rules, design policies, procedures, practices and standards applicable to this work type or to a specific project.
- B. Work under this work type may require consideration of federal transportation law, the Moving Ahead for Progress in the 21st Century (MAP-21) Act, New Starts/Small Starts guidance, and Metropolitan Council Regional Transitway Guidelines.

III. Provided by Consultant

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

- A. Complete and accurate documents or other deliverables to deliver a project that fulfills Hennepin County's intended purpose. Deliverables for this work type may include, but are not limited to some or all of the following:

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Transit Planning

- Concept plans
- Route and mode alternative analysis
- Evaluation of current and future transportation system performance and needs
- Rail network, station, platform, or layover yard capacity analysis
- Evaluation of alternative station sites including conceptual station layouts, facility configuration, trackage and platform development
- Operational and forecasting models
- Origin-destination (OD) studies
- Traffic operations analysis
- Timetable generation
- Feasibility studies

Transit Engineering

- Preliminary design plans and specifications
- Final design plans and specifications
- Design documentation and calculations
- Special provisions
- Cost estimates
- Reports
- Feasibility studies, including all related calculations

Transit Construction Management

- Development of construction staging plans
- Construction inspection services
- Construction testing services
- Surveying

Other

- Presentation materials, graphic renderings, visualizations, and /or models
- Public involvement
- Meeting minutes
- Training materials