

Pedestrian and bicycle planning, engineering, and promotion

Minimum requirements

The engineering portion of this work must be completed under the direct supervision of a Minnesota professional civil engineer.

Description

Services to provide planning, engineering, and/or promotion services for Hennepin County bicycle and pedestrian projects or programs. Bicycle and pedestrian projects could include, but are not limited to trails, bike lanes, cycle tracks, shoulder improvements, buffer treatments, signals, signage, sidewalks, plazas, crossing treatments, bicycle parking and demand projection for bicycle and pedestrian use.

Services for this work type may include but will not be limited to the following categories:

- **Bicycle and pedestrian planning:** master planning from visioning to implementation, transitway and road corridor studies and planning, graphic representation of proposed facilities, community engagement, safe routes to school area plans, or bicycle, pedestrian, and complete streets facility design guide preparation.
- **Bicycle and pedestrian engineering:** Preliminary and final bikeway or pedestrian infrastructure and facility design, bike parking, and support facilities demand assessments and design services.
- **Bicycle and pedestrian promotion services:** Economic impact studies, educational materials and campaigns for all street users, biking and walking education and encouragement materials and campaigns, and safe routes to school programming.

Typical services

Project deliverables may include the following:

Bicycle and pedestrian planning

- Concept plans

- Route and mode alternative analysis
- Evaluation of current and future pedestrian or bicycle system, corridor or area performance and needs
- Origin-destination (OD) studies
- Traffic operations analysis
- Bicycle traffic projects
- Bicycle demand modeling
- Needs assessment/data inventory
- Rendered aerials, perspectives, cross sections and other visualizations
- Framework and implementation planning
- Community engagement strategy
- Recommendations
- Cost estimates
- Special provisions
- Feasibility and justification studies

Bicycle and pedestrian engineering

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

Bicycle and pedestrian promotion

- Development of communications, media and marketing materials and campaigns
- Development of educational materials for children and adults
- Economic impact studies
- Safe routes to school program planning

Other

- Presentation materials, graphic renderings, visualizations, and /or models
- Public involvement
- Meeting minutes, reports, estimates, and training materials