

Fiber optic engineering and planning

Description

Services related to engineering and planning of outside plant fiber optic projects for Hennepin County. Work under this type may include: providing design, management and coordination of outside plant projects adjacent to or within local, state and federal roadways, active and inactive railways, in shared conduits and duct banks, and/or through waterways and parks.

Typical services

Project deliverables may include the following:

- Engineering, planning, design and preparation of bid documents for outside plant fiber optic projects
- Project management including direction and coordination of county contractors, managing time, scope and cost
- Work with county staff to maximize the effectiveness of project designs and reduce cost
- Maintenance of complete, accurate records of the activities and events relating to a project
- Meeting with county to coordinate project work
- Obtain all necessary permits and rights of entry from county, local jurisdictions, and/or private landowners
- Provide detailed CAD drawings where required
- Obtain location information for all utilities in the work area through Gopher State One Call
- Coordinating with other county vendors to ensure project completion
- Recommend and coordinate with subcontractors with specialized skills where needed

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