

Work Type Definition: Fiber optic engineering and planning



I. Description

This work type is for consulting 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.

II. Standards and specifications

Standards and specifications required for a project under this work type are typical industry standards for this work type.

III. Description of typical services and deliverables supplied by consultant may include:

- 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 Hennepin 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 Hennepin County to coordinate project work;
- Obtain all necessary permits and rights of entry from Hennepin 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 Hennepin County vendors to ensure project completion;
- Recommend and coordinate with subcontractors with specialized skills where needed.