



CITY OF FORT BRAGG

REQUEST FOR PROPOSALS FOR ENGINEERING AND DESIGN SERVICES RELATED TO MUNICIPAL BROADBAND INFRASTRUCTURE

The City of Fort Bragg is soliciting proposals from qualified firms and individuals interested in contracting with the City of Fort Bragg to finalize network design, complete construction documents, and inform business model for city-wide municipal broadband infrastructure serving the City of Fort Bragg. The objective is to complete the necessary engineering, planning and environmental work to be prepared for a shovel-ready construction project within 12-18 months.

The City's 2021 Fort Bragg Digital Infrastructure Project, attached hereto as **Exhibit A**, provides a high-level overview of the City's intended network design. This study should serve as a framework for the scope of work to be completed under this contract.

SCOPE OF WORK

Collaborate with City staff on the following activities:

1. Low Level Design
 - a. Fielding: Conduct community walkout and survey, pole profiling/auditing, underground route selection, and digital mapping.
 - b. Design: Provide OSP design, CAD drafting including construction and permit prints. Design fiber-to-the-home, business, cell site for multi-dwelling, multi-tenant units, and single-family homes.
 - c. Permits: Provide drafting and application for DOT permits, County permits, Municipality permits, railroad, water, and any other specialty permits.
 - d. Traffic Control Plans: Produce traffic control plans according to area standards, provide traffic control packages, and provide thorough work zone details that minimize inconvenience for road users.
2. Project Management
 - a. Manage project tasks, resources, timeline, and coordinate between City staff and Consultant.
3. Electronics Design
 - a. Complete network architecture specifications and drawings.
 - b. Create vendor RFPs and review proposals for Core Electronics (Routers), Optical Line Termination (OLT), and Optical Network Termination (ONT) Bill of Materials.
4. Construction RFP Preparation
 - a. Draft construction RFP to be used by the City of Fort Bragg to bid construction.
5. Business Modeling
 - a. Consolidate all pricing into pro forma financial sheets (P&L, revenues and expenses, Statement of Cash Flow, and Balance Sheet).

- b. Create take rate and churn modeling.
- 6. Project Administration
 - a. Retention of records and drawings.
 - b. Change Order management.
 - c. Communications with City staff, City Council and the public.
- 7. Bid Period Services and Construction Support
 - a. Provide support to staff during the bid advertisement period as it relates to bidders' questions and the preparation of technical or design-related addenda as needed.
 - b. Attend pre-bid meeting, pre-construction conference, and participate in other meetings as requested until project completion.
 - c. Provide plan amendments to address unknowns and compare solutions throughout the construction phase.

RFP SCHEDULE

RFP Release:	November 15, 2022
Written Questions Due:	November 30, 2022
Response to Written Questions:	December 5, 2022
Proposals Due:	December 15, 2022 – 5:00 PM
Interviews:	December 19 - 22, 2022
Anticipated Selection:	December 30, 2022
Anticipated Council Approval:	January 9, 2023