Biarri Networks

Design Services Proposal

Biarri Networks

Table of Contents

Background

Biarri Networks is an innovative fiber engineering company that provides a world-leading approach to telecommunications network design and engineering. Our consultants, armed with our patented technology, collaborate with our customers to help understand the intricacies of their data and how their network engineering decisions impact the total deployment cost.

We are committed to ensuring the success of our customers through close partnerships, regardless on the size or scope of the project.

The Biarri Approach

Biarri's industry leading approach customizes our existing set of standards to create project-specific solutions that integrate with our customer requirements to ensure project success.

We utilize the following approach to provide an end-to-end solution to our customers that allows network designs to be produced in a consistent format, at a high speed, and on a large scale.

| Feasibility Design | Field Validation Of Input Data | Data Preparation | High Level Design | Field Validation Of Design | Low Level Design | MRE / Permitting | Construction Pack Generation |

The items listed above indicate the proposed scope of work for both parties.

| Biarri Scope | Customer Scope |

E2E Process

A data-driven approach to facilitate communication between people, processes and technology.

Intelligent Technology

Advanced software tools that enable planners and engineers.

Standards

Strict data and engineering rules guidelines that underpin all decisions.

Description of Scope Items

Feasibility Design

We produce feasibility designs for early and rapid evaluation of established project areas. These designs are produced to closely align with the preferred architecture and can be completed using (i) customer input data or (ii) Biarri-sourced input data. Biarri has many options for sourcing data for feasibility designs if customer input data is unavailable or unsuitable for auto-design.

The feasibility design is used to (i) assist in network deployment cost calculations by providing a high-level bill of materials and (ii) determine the viability of fiber network deployment.

A feasibility design can be completed with or without the project establishment stage but will require some basic architectural rules and constraints to be agreed upon.

Key Deliverables

- Full OSP feasibility design in geospatial format
- High level bill of materials for each design generated

Biarri Networks

Pricing and Commercial Approach

Pricing Tables

Project establishment costs may vary depending on the level of customization associated with the architecture and design rules, however, Biarri supports a wide variety of architecture types with little or no customization.

The table below describes the pricing associated with each stage described above.

Item Name	HHP	Rate (USD)	Est. Cost
FLD for The Dalles	6,700	1.00	$6,700.00
FLD For remaining addresses in Wasco County	6,960	1.00	$6,960.00

Total Estimated cost for a FLD for entire county = $13,660.00