

...the industry standard for developing accurate, defensible loop costs in network plant modeling

CostProLoop is a next-generation network model. It provides not only the design of an optimal, forward-looking network, but also the total cost of the network and the cost on a service-by-service basis. What sets CostProLoop apart from other models and methods is its granular approach, its use of spatial analysis, and its reality-based engineering guidelines. To top it off, CostProLoop is used by operating companies in 30 states in the U. S and has been adopted by public utility commissions in every state where it has been filed.

Let's explore CostProLoop...

## Why CostProLoop?

- ✓ Reduction in study time
  - Once CostPro has been populated and loaded with customer data, you can routinely generate network and service cost studies.
- ✓ Flexibility to perform analysis
  - Because CostProLoop supports multiple scenarios and has an efficient run time, developing service costs based on a series of potential inputs is painless. It is also simple to model a new service type and develop its cost based on existing network data.
- ✓ Accurate results from a model with a proven track record
  - CostProLoop has been in development for more than six years. Its results have been

used and filed in numerous state proceedings and have been accepted in all states where it has been filed without major challenges.

## Choose CostProLoop

### *Accurate Bottoms Up Costing*

CostPro Loop estimates network cost by modeling plant going to each and every customer. Like an engineer, the model tallies the necessary length of cable and quantity of network components and electronics. This inventory is recorded and used to develop total and per service investment and key statistical reports.

### *Use of Actual Customer Data*

CostProLoop can utilize actual customer data. Through geocoding (a CostQuest service), the locations of customers are captured based on the roads they live on. The model can then route plant over roads in the same way most outside plant is routed.

### *Optimized Plant Routing and Network Placement*

Specifically designed and reviewed algorithms determine optimal network routing and placement. CostProLoop was the first network cost model to implement a Minimum Spanning Road Tree (MSRT) algorithm to optimize the routing of outside plant. Sophisticated engineering rules guide the installation and placement of electronics, such as SONET terminals, Optical Network Units, Digital Loop Carriers, and Central Office Terminals. The algorithms can incorporate actual data if available, or model the placement of certain elements if data is lacking.

### *Developing Costs for the Full Complement of Modern Services*

CostPro models the full complement of services provided by modern telecommunication carriers, including fiber in the loop strategies and high bandwidth enterprise fiber (DS3 and greater) services.

## *Flexibility*

CostProLoop is flexible in terms of input quality and output requirements. In fact, you define your reports the way you want to. You define the element to be costed and the service driving those costs to meet your firm's operational or regulatory needs.

## *Integration with Other Costing Tools*

CostProLoop is part of a larger suite of costing tools, which means common inputs can be shared among modules, thus reducing potential input errors.

Furthermore, integration into a larger platform reduces administration and maintenance costs, making the CostPro suite an attractive bottom line solution.

Support from the Cost Modeling Experts

CostQuest associates understand not only the inputs into CostPro, but also the implications of those inputs and how to generate them correctly. From developing the most granular inputs to maintaining the defensibility of your study, CostQuest can provide all necessary support.

## *What Else Can CostProLoop Do?*

- ✓ CostProLoop output can be used as inputs to a profitability or business case analysis
- ✓ CostProLoop can be used for engineering or construction estimation. Engineers can adapt the engineering rules and cost inputs to estimate the cost of rebuilding an area or enhancing a service area to support higher bandwidth services.
- ✓ With special adaptation, CostPro can model a variety of last mile strategies. This helps discover the cost of overbuilding in an area or deciding

upon the type of service that is most cost effective to deploy.

## *How CostProLoop is Installed*

In the first stage of a CostProLoop implementation, CostQuest analysts meet with users to learn about analytic needs and the firm's strategic goals. This meeting drives project goals. In the second stage, customer inputs, material costs, and engineering rules are collected, analyzed, and loaded into the model. These inputs conform to the project goals established earlier. After the model is fully loaded, outputs are produced and reviewed to verify reasonableness. Finally, training occurs so your employees can operate and maintain CostProLoop themselves.

## *CostProLoop Requirements*

CostProLoop runs on a business class Windows computer, typically a Pentium 4, 3.0 GHz processor with 512 Mb of RAM. Microsoft Excel is required, and Microsoft Access may be helpful to analyze large reports.

For more information, please contact us or visit us at [www.costquest.com](http://www.costquest.com).