



Construction Capabilities

TELECOMMUNICATIONS DESIGN AND CONSTRUCTION MANAGEMENT

FEASIBILITY STUDIES

PROJECT MANAGEMENT

MANAGEMENT CONSULTING

TECHNICAL SUPPORT AND SERVICE

OUTSIDE AND INSIDE PLANT DESIGN

CONSTRUCTION AND SPLICING

CONSTRUCTION PERMIT ACQUISITION

BUILDING INDUSTRY CONSULTING SERVICE

PREMISE WIRING DISTRIBUTION

AUTOCAD

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INTRODUCTION

Point Breeze Communication veteran group is providing telecommunication services throughout the northeast and mid-Atlantic.

Our diverse expertise can provide:

- Planning

- Feasibility Studies

- Building Industry Consulting Service

- Outside and Inside Plant Design and Construction

- Premise Wiring Distribution, Voice and Data

- Project Management

- Construction Management and Consultation

- Permit Acquisition

- AutoCAD

We are experienced at assuming responsibility at any level, providing the above services individually, in combinations or as a total package in turnkey applications. We offer total commitment to excellence in project performance, quality, and safety, with the proven ability to fuse design competence with practical construction know-how.

We are members of:

- Texas Society of Telephone Engineers

- Building Industry Consulting International (BICSI)

- Society of Cable Telecommunications Engineers (SCTE)

OUTLINE OF SERVICES

To plan and install the optimum communications system for your requirements, The Point Breeze Communications veteran group. offers the following management, design, and construction services.

Telecommunications Design and Planning:

- Feasibility Studies

- Preparation of Request for Proposal (RFP)
- Specifications and evaluation of vendor's responses

- Management Consulting

- Project Management

- Outside Plant Backbone and Distribution Network Design and Construction

- Inside Plant Riser, Horizontal Cabling, Conduit Design, and Construction

- Premise Wiring and Testing

- Fiber Optic, Copper Splicing and Testing

- Conduit System Design and Construction

- Conceptual Design Drawings and Mapping

- Records Management

- Managing procurement and installation activities

- Review and inventory audit of existing cable and equipment

- Inspection for quality compliance

- Permit procurement (aerial, underground, railroad, bridges)

AutoCAD

- Mapping

- OSP/ISP Design/Construction Drawings

- Conduit Construction Drawings

- Fiber, Copper, and Coaxial Cable Networks

- MDF, Ladder Runway, Equipment Racks

- As-Built Drawings

- Mapping for Records Management

SECTION II

STAFF AND MANAGEMENT

The Point Breeze Communications veteran group offers a network of qualified communications personnel with successful project experience in our business including:

Telecommunications Engineers (OSP/ISP)

Registered Communication Distribution Designer (RCDD)

Professional electrical engineer (PE)

Project Managers

Construction Managers

Planners

Cost Analyst

Estimators

Drafters (AutoCAD)

Field Inspectors

SECTION III

SYNOPSIS OF PRINCIPALS

James F. Daughenbaugh

Professional Experience

Over forty years experience in Craft (lineman, cable splicer), telecommunications management, planning, OSP/ISP design, Premise distribution voice and data networks.

Project engineering and management for United Telephone of New Jersey, Southwestern Bell Texas, GTE Florida and Washington State, The University of Houston, Eastern Telelogic Corporation, Zayo Bandwidth, Inc. Telecom Transport Management, Inc. (TTMI), Cellular Companies, CLEC's, ILEC'S and Competitive Access Providers (CAP's).

- Planning
- Engineering Management
- Feasibility Studies
- Outside Plant Cable Network Design
- Conduit System Design
- Riser/Horizontal Cable System Design
- Inside Plant Network Design (All Topologies)
- Wide Area Networks
- Technical Writing (Specifications)
- Project Management, Scheduling, and Implementation
- Quality Control
- Inspection
- Computer Aided Design and drafting
- Permit Procurement

Long range planning, project management, budgetary estimating, feeder route administration, project planning, feasibility studies and consultation. Conduit design, T-1 span design, carrier system design, fiber optic network backbone and distribution design. Central office re-termination. Fiber Optic network and Copper network design, OSP feeder and distribution relief project design, aerial, direct buried, underground, both urban and rural. Design of campus environments Outside and Inside Plant. Air pressure system design and rehab. Project management, construction permit procurement and construction follow-up. Right of way and easement procurement.

BS Mechanical Engineering – University of Houston, Houston, Texas

J. Neil Campbell

Professional Experience

Over twenty three years experience in the telecommunication industry in management, construction, design and outside plant engineering. Construction/Operations Manager for Eastern Telelogic Corporation and Line Foreman for Danella Line Services.

Work experience consists of the following:

- Project / Construction Management
- Outside Plant Fiber Optic Cable Network Construction
- Underground Conduit Construction
- Inside Plant Riser / Horizontal Cable System Distribution Construction
- Fiber Optic and Copper Splicing, Termination, Testing and Trouble Shooting
- Construction Inspection

Management of aerial and underground construction and splicing crews for fiber optic and copper cable placement. Responsibility of Operations Manager for the construction and maintenance of Eastern Telelogic Corporation's fiber optic network throughout the Philadelphia Metropolitan Area and Delaware. Outside and Inside Plant construction management and inspection for the W.L. Gore Network and PPL Telcom/Zayo Bandwidth, Inc. cellular site fiber backhaul projects.

Ronald F. Richardson

Professional Experience

Over thirty years of experience in Outside Plant and Inside Plant design and construction. 14 years experience in land surveying and civil design, including property and highway surveys, aerial control. bridge layout, topographic mapping, elevated commuter rail surveys. Proficient in the use of survey instrumentation and procedures, and AutoCAD software.

Current responsibilities include direction and over sight of surveying, engineering and design of OSP/ISP, and civil projects for telecommunication and utility companies. Supervision and management of CADD operations, permit preparation and submittal as client agent and liaison.

Integral in the preparation of construction specifications for over 1,500 miles of fiber optic cable for AT&T, MCI, NY Telephone and alternate access carriers. Performed most engineering aspects of contract completion from initial client contacts to final records.

Hands on experience and proficiency in the use of AutoCAD as related to OSP/ISP, and civil engineering projects.

Joseph A. Hawkins

Professional Experience

Over thirty years of experience in telecommunications system planning, engineering, and project management. He has engineered numerous telecommunications transport systems (microwave, fiber optic and data) along with developing and managing both telecommunications operations and engineering organizations. Registered professional engineer in Pennsylvania and Virginia. Associate degrees in mechanical and electrical engineering. BS degree in computer science and a Masters degree in business administration.

Customers

The following is a list of Cedars Telecommunication Group, Inc. customers:

- 1. Competitive Access Providers (CAP and CLEC)**
- 2. Regulated Telephone Companies**
- 3. Deregulated Telecommunications Market**
 - A. Campus environments**
 - B. Corporations (high-rise/low-rise)**
 - C. Municipalities (state, county, local)**
- 4. Wide Area Networks (School Districts, Hospital Networks, Corporations, Etc.)**
- 5. Long Distance Carriers**
- 6. Railroads and Transit Companies**
- 7. Power Companies**
- 8. Cellular Companies**
- 9. Fortune 500 Companies**

Major Projects Completed

1. QVC Home Shopping Network Complex - 12-mile fiber optic network and distribution project.
2. W.L. Gore and Associates- 62 mile fiber optic backbone network engineering, construction, voice and data premise distribution, and project management.
3. Allentown, PA Roma Complex (9 buildings) - Fiber optic/copper network, backbone distribution design and construction project.
4. The University of Houston Campus, Houston, TX - New switch distribution project - new construction of outside and inside plant including LAN'S and student services.
5. Verizon and AT&T Co-location projects - fiber optic backbone facilities construction and engineering. Feasibility studies in Vancouver and Toronto, Canada
6. Downtown Philadelphia, PA and Wilmington, DE high rise buildings - Fiber optic design for building entrance facilities, risers, and premise distribution projects.
7. Hundreds of miles of fiber optic ring design and construction for WorldCom, Teleport Communications Group (TCG), AT&T, Metromedia Fiber Network, XO Communications (Nextlink), City Signal Corporation and 3d Wire Communications (Competitive Access Providers (CAPS), CLEC's, ILEC's and dark fiber providers).
8. Chase Manhattan Bank Complex Delaware – Turn-key design, project management and construction of outside plant conduit network, inside plant conduit, multi-mode fiber optic and copper distribution network, Main Distribution Frame (MDF) design and construction. Security, telephone/data system design and construction.
9. 3d Wire Communications - Fiber optic network feasibility studies in several US cities, including: Philadelphia, PA, Allentown, PA, Charlotte, NC, Raleigh, NC, Nashville, TN, Kansas City, KS and MO.
10. City Signal Communications - Developed outside and inside plant specifications and standards. Permit procurement, outside and inside plant engineering.
11. Adelphia Business Solutions - Designed and project managed over 150 miles of fiber optic network and constructed several miles of aerial and underground plant in Wilmington, DE, Newark, DE and Elkton, MD
12. Metro Media Fiber - Designed and project managed several miles of fiber optic underground network in Philadelphia, PA and Camden, NJ. Including conduit and cable pathway design across the Ben Franklin Bridge.
13. Fibertech Networks – Designed over 40 miles of fiber optic aerial and underground network in the Wilmington, Delaware area.
14. PPL Telcom – Design and construction of conduit infrastructure for cellular site laterals, compounds and buildings. (Cingular, Sprint, T-Mobile and Earthlink)
15. Zayo Bandwidth, Inc. – Design and construction of conduit infrastructure for cellular site laterals, compounds and buildings. (T-Mobile, Earthlink, Metro-PCS, Cricket and Sprint)
16. Telecom Transport Management, Inc. (TTMI) – Design and construction of conduit infrastructure for cellular site underground laterals. (T-Mobile)
17. The University of Delaware – Fiber Optic network rehab and reinforcement