



DESIGN SERVICES

# Accelerate Revenue with Outside Plant Design Services

Desktop Services,  
Field Survey, Full Design

COMMSCOPE®

# Services Overview

Every day you discover new homes and businesses, new subdivisions and new office parks that want your services but are not currently served by your plant. The key to winning these new customers, profitably, is good information: What's my Return on Investment? How do we know which customers to pursue? How do I model the return on a construction investment in under 7 years? How easy (or hard) will it be to serve this new opportunity and how much will it cost?

And, when you've won it, the key to getting revenue quickly is a detailed design and a plan for building it.

CommScope has the expertise, personnel, tools and processes to help you evaluate, price and win new business and to design (and build) the network to bring new revenue online quickly and profitably!

## FEATURES

- Seamlessly integrates with your existing design process
- Reduce vulnerability to staff changes
- Access to resources / skills when needed
- Quick turnaround for quick quoting
- ROI analysis on construction projects
- Design/construction specification development
- Process improvement
- Project management of complex programs.
- Vendor neutral solutions
- "White Glove" services

## DESIGN MARKETS

- Residential
- Multi family
- Commercial
- Greenfield
- Brownfield
- Upgrades
- Municipalities
- Utilities
- Data centers



Walkout Map



Walkout Design

## Pre-Sale Design Services

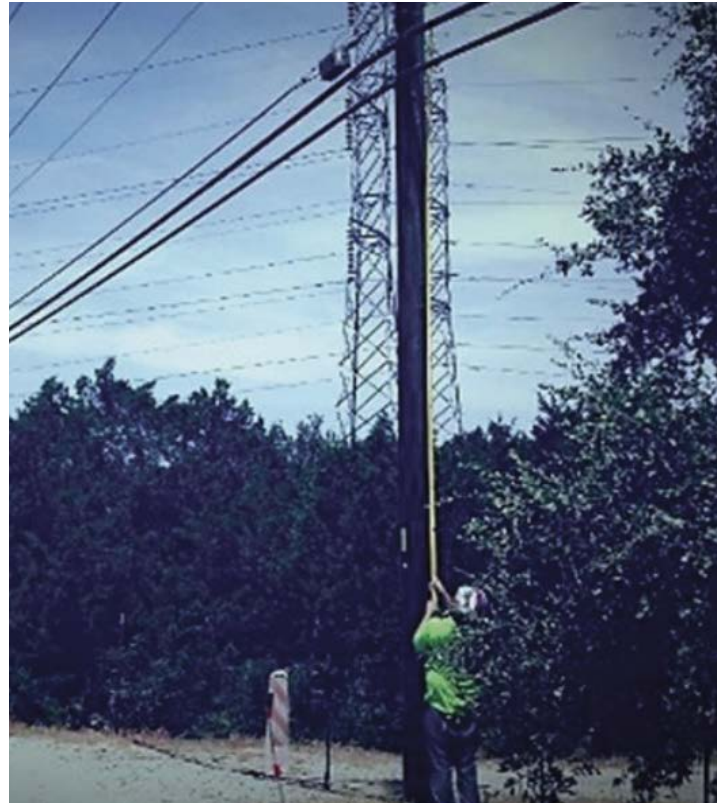
As an extension of your operations, CommScope receives work orders listing new sites to be evaluated for service. CommScope's role can be as simple as verifying that the site is in your service area or dispatching technicians to conduct a simple or detailed field survey. The work is done and results uploaded to your site usually within three business days allowing you to quickly offer a competitive and profitable quote to win the business.

## Desktop Services

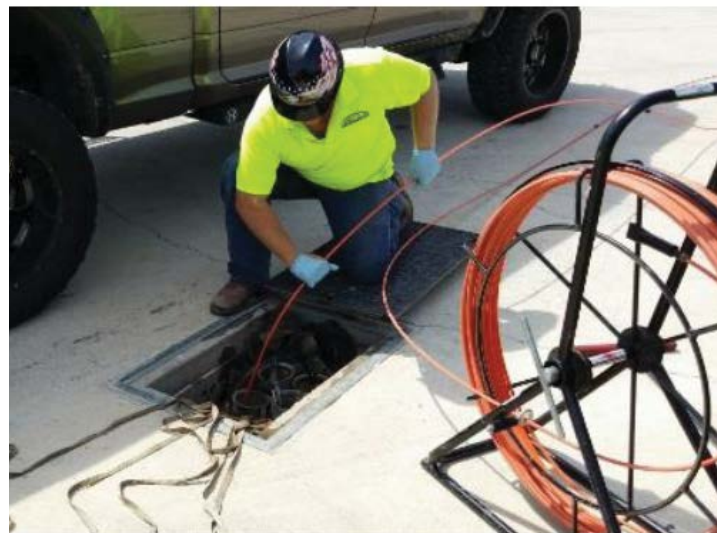
- Address verification
- Designs using online mapping and system prints
- Bill of materials and cost estimate
- Recommended pricing based on agreed ROI parameters
- Analysis of adjacent areas for build out economies of scale

## Field Services

- Walkout services – outside and inside plant
- Evaluate and document: boring, right of way access, aerial and underground routes, building ingress, in building routing
- Rod and rope and stick pole measurements and enclosure audits
- Pole attachment designs
- Conduit proofing and placing pull tape
- As built verification and documentation including placement of poles and pedestals, nodes, actives and power supplies, measurement of spans and verification of taps, passives and cable routes and underground routes



Stick Pole Measurement



Rod and Rope Measurement

## Post-Sale Design Services

Winning new business is only part of the battle! Turning it up quickly and successfully is how you deliver an excellent customer experience and make a great first impression. And, it allows you to start generating revenue and recouping your investment as soon as possible. CommScope has years of experience and in depth knowledge with all major design tools, servicing operators worldwide. We get to know your unique design and drafting requirements and deliver design files, ready for construction.

## Design Services

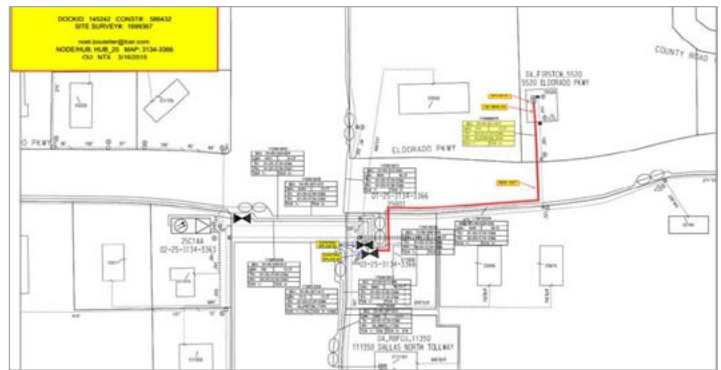
- Walkout services
- Digitize survey data
- Plant design or redesign to support new services
- Validate downstream devices and powering
- Detailed bill of materials with costs
- Construction package with detailed build notes

## Construction Services

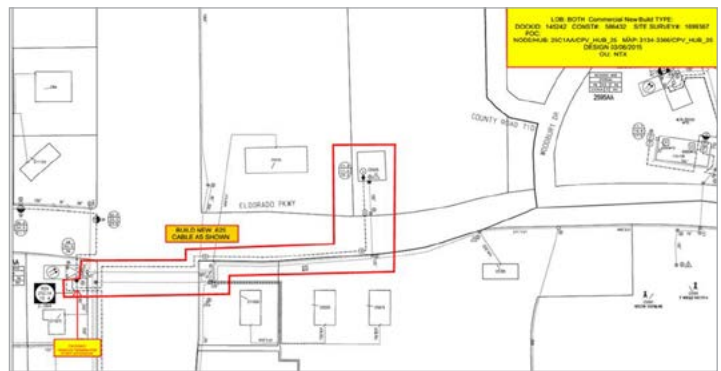
CommScope can also manage the construction process including beginning to end program management, staffing, materials management and logistics and day to day installation operations.

## Customer Care

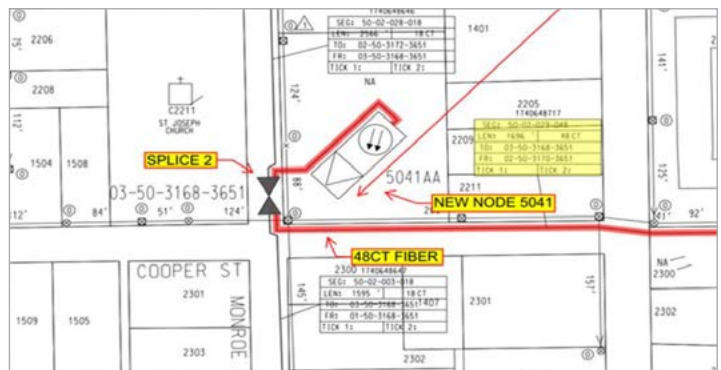
Contact your CommScope Account Manager for product information and/or email [commscopedesignservices@commscope.com](mailto:commscopedesignservices@commscope.com)



Fiber Design



Coax Design



Fiber Matrix

Wireless/OSP Design Tools Supported	
Spatial	Bentley Comms
SpatialNet	Lode Data
Map Info	Google Earth Pro
AutoCAD	Visio
IBWave	Ekahau
Atoll	AirMagnet

type	Resource	Mfg	Series	Model	Part No.	Acct	Series	Qty
MPLIFIER	TW/C870	SA	SA_870	SA-870-LE-M				5
MPLIFIER	TW/C870	SA	SA_870	SA-870-HGD-A				3
MPLIFIER	TW/C870	VARIOUS	MDU_SM	STATMON				1
MPLIFIER	TW/C870	AURORA	AURORA_NODE	NC4000@48				1
OAXCABLE	TW/C870	VARIOUS	TAPPED	500 P3				8077
OAXCABLE	TW/C870	VARIOUS	TAPPED	625 P3				39
OAXCABLE	TW/C870	VARIOUS	LARGE	750 P3				1407
CONNECT	TW/C870	VARIOUS		500 P3				124
CONNECT	TW/C870	VARIOUS		625 P3				2
CONNECT	TW/C870	VARIOUS		750 P3				4
CONNECT		UKNMFQ		HSE-HSE				20
CONNECT		UKNMFQ		HSE-TRM				15
QUAL	TW/C870	MOTOROLA	INLINE	FFE-8-1000				11
QUAL	TW/C870	SA	SA EQ-1002		15			1
QUAL	TW/C870	SA	SA EQ-1002		6			2
QUAL	TW/C870	SA	SA EQ-1002		3			1
QUAL	TW/C870	SA	SA EQ-1002		10.5			2
QUAL	TW/C870	SA	SA EQ-1002		12			1
QUAL	TW/C870	SA	SA EQ-1002		15			1
QUAL	TW/C870	SA	SA RET-42		1			3

Bill of Materials

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at [commscope.com](http://commscope.com)

**COMMSCOPE®**

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