

OSP DESIGN SERVICES

OUR EXPERTS DESIGN, MANAGE, AND IMPLEMENT OPTICAL FIBER OSP NETWORKS, ENSURING SEAMLESS INTEGRATION WITH POP FACILITIES AND INTERCITY, METROPOLITAN, AND BACKBONE CONNECTIONS.

OVERVIEW

2Com Group's experienced team is equipped to design, implement, and manage your OSP fiber network solutions. Whether connecting to an existing fiber loop or building a new optical network, our engineers ensure a seamless and efficient process from start to finish.

From initial site surveys to construction completion, we assess and utilize existing manhole systems and pole lines, coordinating with local utilities and securing necessary licenses and/or permits.

Our team specializes in designing and expanding fiber backbone networks in both urban and rural environments.



SERVICES

- FEASIBILITY STUDIES
- ROUTE SELECTION AND PERFECTION
- INTERCITY BACKBONE CONNECTIONS
- METROPOLITAN NETWORK RING DESIGN
- BACKBONE TO BACKBONE CONNECTION DESIGN
- OSP INTERCONNECT AND REGENERATION FACILITY (HUT) DESIGN (SEE ALSO ISP DESIGN SERVICES)
- BACKBONE TO POP FACILITY DESIGN (SEE ALSO ISP DESIGN SERVICES)
- BASE MAP PREPARATION AND REVIEW
- ROW INVESTIGATION AND PROCUREMENT
- UTILITY INVESTIGATION AND LOCATION
- JOINT USE COORDINATION
- EXISTING CONDUIT LEASING OPTIONS
- PRELIMINARY AND FINAL RUNNING LINE DESIGN
- MANHOLE/HAND HOLE LOCATION DESIGN
- DIRECTIONAL DRILL OR BORE DESIGN
- RAILROAD CROSSING DESIGN
- BRIDGE ATTACHMENT DESIGN
- PERMIT IDENTIFICATION AND SUBMISSION
- ENVIRONMENTAL ANALYSIS AND PERMITTING
- PROGRAM AND PROJECT MANAGEMENT
- CAD
- QA/QC
- AS-BUILT DOCUMENTATION
- BID DOCUMENT DEVELOPMENT

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