Orozco Engineering

OSP Fiber Planning, Design & Engineering

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orozcoengineering.com | Fontana, CA

30+ YEARS OSP & TELECOM EXPERIENCE • CARRIER & ISP PROJECTS • SOUTHERN CALIFORNIA

> Orozco Engineering LLC is an outside plant fiber planning, design and engineering firm in Fontana, California. Our team supports major telecom carriers and fiber providers, engineering firms and OSP contractors with construction-ready design packages and field data across Southern California.

SERVICES

OSP Fiber Design
Aerial and underground routes, extensions and relocations: cable sizing, splice and terminal locations, splicing prints and work orders.

F1 / Feeder & Distribution Planning
Capacity assessments, route tracing, fiber-shortage identification and reinforcement recommendations.

GPON / OLT Network Design
FTTH/FTTX distribution: terminals, cabinets, equipment sizing and fiber assignments sized around OLT and PON capacity.

Pole Fielding
Pole data, attachment heights, photos and ground-level measurements anywhere in Southern California.

Pole Loading
Attachment analysis support: existing conditions, clearances and added load for the pole owner's application.

JPA & Joint Use
Joint pole association, joint use and pole attachment coordination with pole owners, attachers, utilities and cities.

Permitting & Make-Ready Support
Make-ready documentation, attachment applications, permit drawings, submittals and corrections.

Contract & Overflow Capacity
Added planning and design capacity when your backlog grows, without adding headcount.

OUR SCOPE

WHAT WE DO
- ✓ Planning, design & engineering
- ✓ Pole fielding & ground-level measurements
- ✓ Pole loading, JPA & make-ready
- ✓ Permit drawings & application support

WHAT WE DON'T DO
- ✕ Construction or installation
- ✕ Pole climbing or aerial work
- ✕ Line work of any kind

AT A GLANCE
- ✓ Aerial, underground & buried plant
- ✓ Pole fielding anywhere in SoCal
- ✓ PDF + AutoCAD (DWG) deliverables
- ✓ Contract & overflow capacity

REPRESENTATIVE WORK

client names withheld

CARRIER PROJECT

F1 Feeder Capacity & Reinforcement
Scope: Traced feeder routes, reviewed fiber availability against demand, identified shortages and proposed reinforcement.
Delivered: Capacity assessment, reinforcement recommendation, cost estimate, planning package.

ISP PROJECT

FTTH / GPON Distribution Design
Scope: Distribution fiber, terminals, cabinets and splicing on a GPON architecture, planned around OLT and PON capacity.
Delivered: GPON design, fiber assignments, splicing prints, work orders, construction docs.

AERIAL & UNDERGROUND ROUTE

Pole Fielding, Make-Ready & Permits
Scope: Field walkout and pole data, make-ready, pole attachment applications and permits for a fiber route.
Delivered: Field notes, permit drawings, make-ready and attachment docs, utility and city submittals.

HOW WE WORK

01 Scope
Confirm deliverables, schedule and rate in writing.

02 Field
Pole fielding and walkouts, measured from the ground.

03 Design
Designed to your standards, checked for capacity and constructability.

04 Deliver
PDF + CAD packages, supported through approval.

LEADERSHIP

DO

Danny Orozco Founder & Principal Engineer
Leads our engineering work, bringing 30+ years of outside plant fiber planning, design and project delivery experience with major telecom carriers and fiber providers.

TOOLS & SYSTEMS

AutoCAD, IQGeo, Bluebeam, ArcGIS / GIS mapping, MicroStation, Google Earth, Excel, Project & Visio

Have a fiber project? Send the location, type of work and timeline. We'll follow up on scope, schedule and rate.

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