Consortiv

Validating True Route Diversity for Low-Latency Trading Infrastructure

HOW CONSORTIV HELPED UNCOVER HIDDEN FIBER OVERLAP BETWEEN 350 CERMAK AND CME AURORA.



When “diverse” circuits weren’t actually diverse.

A high-frequency trading firm experienced simultaneous failure across two 10G wave services during a scheduled maintenance window. The circuits had been purchased as diverse low-latency paths, but route review revealed physical overlap in the underlying infrastructure. Consortiv was engaged to obtain route intelligence, review KMZ files, compare provider options, and design a truly diverse architecture.

The Environment

Consortiv supported a latency-sensitive trading environment where uptime, route visibility, and physical path separation were critical. The engagement focused on validating connectivity between 350 Cermak and CME Aurora, identifying exposure points, and replacing assumed diversity with documented infrastructure intelligence.

Route Intelligence & KMZ Review

Reviewed provider route documentation to understand how the existing services were physically delivered.

Carrier Evaluation & Design

Reviewed multiple provider options and helped design a replacement path with true physical separation.

Physical Diversity Validation

Compared routes for conduit overlap, metro path convergence, entrance exposure, and shared infrastructure risk.

Lifecycle Documentation

Created visual route records to support future carrier reviews, maintenance planning, and infrastructure governance.

Ready to validate whether your “diverse” circuits are actually diverse? Schedule a route review and compare your current KMZs against available carrier paths.

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