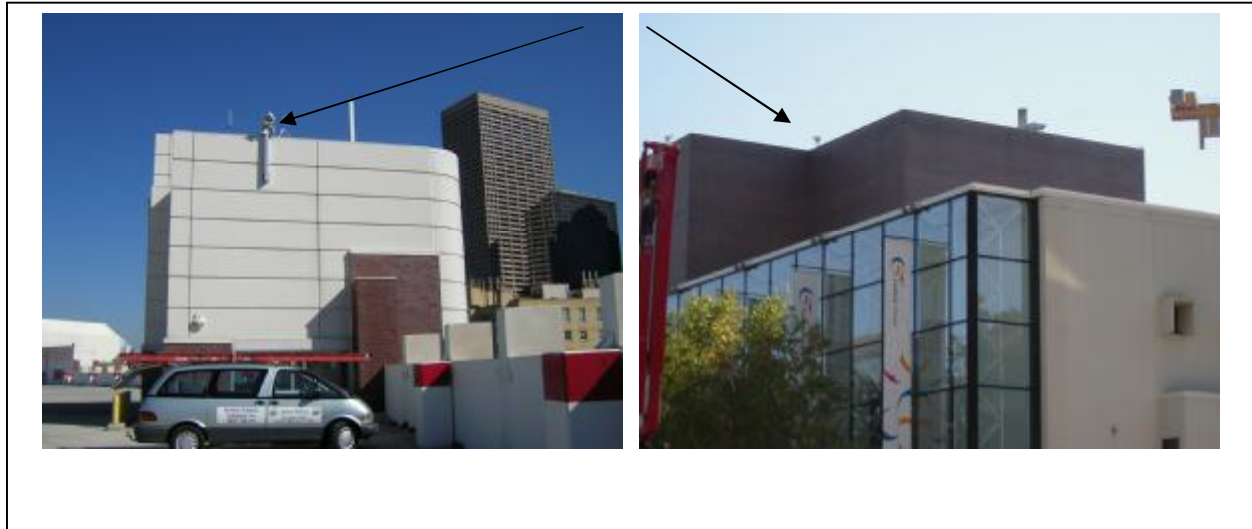




■ **SystemSupportSolutions.com**

Free Space Optics - Big Pipes... **FAST!**

TereScope TS3000 FastE LAN Extension for Security System *CASE STUDY*



The Problem

- With the increased emphasis on security, when the City of Minneapolis needed to provide camera remote surveillance at the new Walker Arts Center they wanted enough bandwidth for high resolution video
- And backhaul to the main data center 1.29km directly across downtown Minneapolis presented high probability of interference for RF, even if its lower bandwidth could be accommodated.

The Solution

- System Support Solutions, Inc. of Minneapolis was brought in to install a Free Space Optics link
- Provides full duplex Fast Ethernet 100Mbps connectivity

The Benefit: Provides very high performance, interference-free link...

- Achieve full 100Mbps full duplex throughput
- Highly secure (FSO was originally developed by the military for security reasons)
- Provides headroom for future connectivity requirements
- Allows very high quality video transmission
- Trouble free, no interference potential

Application

| | |
|--------------------------------------------------------|----------------------------------------------------------|
| Location: Downtown Minneapolis, MN | |
| Protocol: Fast Ethernet (supports all other protocols) | Data Rate: 155 Mbps full duplex |
| Distance: 1290 meters (4270 feet) | Mounting: Outside sidewall, masonry and steel structures |