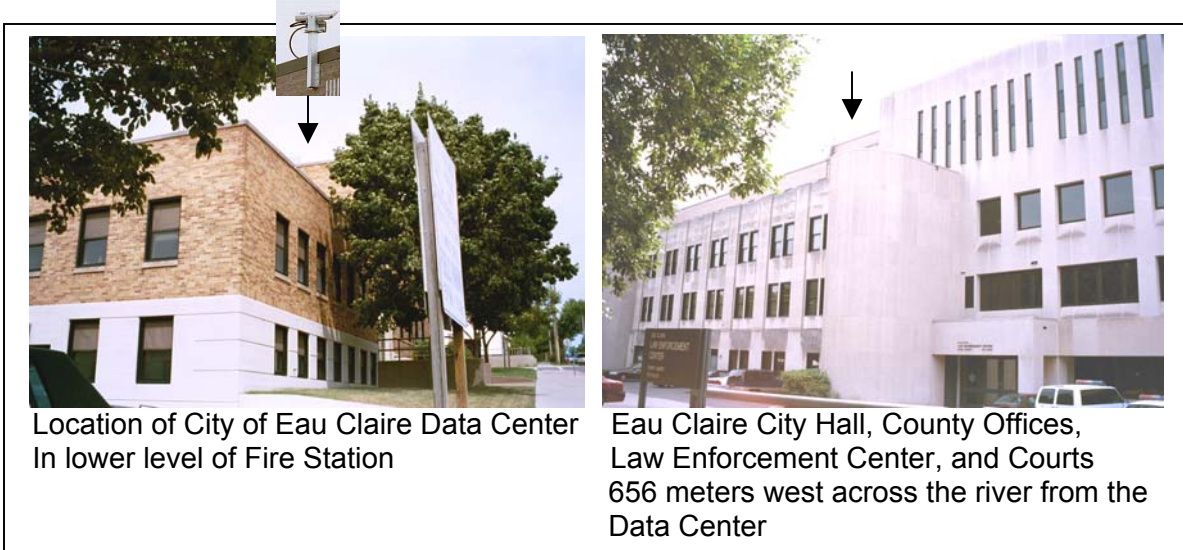




■ **SystemSupportSolutions.com**
 Free Space Optics - Big Pipes... ***FAST!***

650m TereScope TS1000X for City LAN Extension Case Study



Location of City of Eau Claire Data Center
 In lower level of Fire Station

Eau Claire City Hall, County Offices,
 Law Enforcement Center, and Courts
 656 meters west across the river from the
 Data Center

The Problem

- The City of Eau Claire, Wisconsin needed to replace an 802.11b RF radio wireless link between the City's main data center and City Hall
- Inadequate throughput (1-2 Mbps)
- Security and reliability issues

The Solution

- Installation of a 155 Mbps Free Space Optics optical wireless link by System Support Solutions, Inc. of Minneapolis resolved all issues
- Included: automatic failover to RF for redundancy

The Benefits

- High throughput, approximately 100 times the existing link's speed
- High availability with failover in real time to redundant RF link
- High security

Application

Location: Eau Claire, Wisconsin	Organization: City of Eau Claire
Protocol: Fast Ethernet (possibly ATM later)	Data Rate: Up to 155 Mbps full duplex
Distance: 656 meters (2,138 feet)	Mounting: Outside sidewall, masonry buildings