

# WAVELENGTH SOLUTION



Where high capacity meets increasing bandwidth demand

## MORE THAN JUST BANDWIDTH

The emergence of Wavelength services is one of the most recent and important phenomena in the development of fiber optic transmission technology. From interconnecting backbones and cloud services to disaster recovery and data center replication, the need for Wavelength services is on the rise. Using the reliable and redundant, 100% fiber optic core ring architecture built by DOE, Wavelength solutions can increase the capacity of a single fiber to a throughput of 100 Gbps and beyond. This cutting edge technology, when combined with network management systems, enables carriers to adopt optically-based network infrastructures that will meet the next generation of bandwidth demands.

## DQE WAVELENGTH SERVICE ADVANTAGE

### Cost Savings

Minimizing layers of equipment and fiber builds result in the lowering of operational costs and a simplified network architecture.

### Scalability

Wavelength services minimize the use of dark fiber by maximizing its wavelength capabilities in metro and enterprise networks, enabling businesses to quickly meet their capacity demands.

### Enhanced Performance & Reliability

Low-latency point-to-point connections have the ability to utilize both unprotected and protected paths to meet unique diversity and disaster recovery requirements.

### 24/7 Network Monitoring

At DOE, your network can't just perform some of the time; it has to perform all of the time.

### Custom Network Design

DQE works with you to develop a network customized to your business needs.

## WAVELENGTH SERVICE: IS IT RIGHT FOR YOU?

- Available bandwidth speeds: 1 Gbps, 2.5 Gbps, 10 Gbps, 40 Gbps, 100 Gbps
- Supports multiple protocols including: Ethernet, Fibre Channel, FICON, SO NET and OTU
- DQE custom designs configurations to provide even higher levels of network protection
- Available low-latency guarantees
- High capacity data center connectivity
- Expanded service reach with higher bandwidth

DQE Communication Wavelength Service SLA		
Configuration	Availability	Intra Metro Latency
Unprotected	99.9%	< 1.5 ms
Network Protected	99.99%	< 1.5 ms
Network + Access Protected	99.995%	< 1.5 ms

