

# **Executive Summary**

## **Prepared for Board of Trustees Meeting**

### **May 9, 2017**

## **Update on Funded E-Rate Districtwide Optical Equipment**

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**Board Goal:** I. Vision, VI. Growth, Change & Fiscal Responsibility...

### **Purpose of Report**

This report is an overview of the equipment that the district applied for to the FCC E-Rate program for discounts. The equipment is optical grade that passes data far faster than the copper network. This equipment also puts Denton ISD in the “hub” status link from Region 11.

### **Objectives**

- Description of the equipment and its benefits (Attached)
- What the district financial obligation is vs. E-Rate contribution (Attached)

### **Operational Impact**

This optical network design will move our network into a high-level distribution class of a data provider for both our teachers and students but also in providing DISD services to local school districts. As Denton ISD migrates into a Hub Site for Region 11, this equipment will allow DISD to distribute data and Internet to all area ISD’s connected back to Denton ISD by fiber. The fiber connections are being funded by Region 11 E-Rate and are at the cost of each school district seeking connections to Denton ISD and Region 11.

### **Results**

Attached are the quotes for equipment as submitted to FCC E-Rate in February 2016 to build out the DISD optical network. There is also a “Spares” quote which does not qualify for E-Rate and would need to be picked up by DISD or partially paid by Region 11 to be a “Hub Site”. The spare equipment is needed in case of a failure so we have instantaneous recovery rather than a SmartNet coverage which will take a minimum of 4 hours to receive a damaged part. The Executive Summary is How-What and the Benefit to Denton ISD.

Overall cost of the optical project	\$2,297,507.20
E-Rate 60 % portion being paid	\$1,378,504.32
Denton ISD 40% obligation	\$ 919,002.88
Hot Spare equipment (if DISD pays all)	\$ 249,976.48

**Possible Total Denton ISD cost                      \$1,168,979.36**

### **Other Options**

None