



COMMUNICATIONS & CONSULTING  
AN EMPLOYEE OWNED COMPANY

## PRELIMINARY DESIGN ESTIMATE

**Project Name:** Milpitas HS Fiber Optic and Conduit Upgrade  
**Project Number:** 0164-21C.1  
**Project Contact:** Thao Xiong

Dear Mr. Xiong,

Thank you for the opportunity to work with the Milpitas Unified School District to complete a successful FY2021 Internal Connections E-Rate project. Infinity submits the following Preliminary Design Estimate (PDE) for your review and approval. This estimate is a preliminary budget **only**. The intent of this document is to determine the scope of your E-Rate project and provide Infinity with an authorization to commence work. A brief description of each system is described in the "Project Scope of Work" section below.

Unlike past years where E-Rate funding budgets were restricted to each campus based on its Average Daily Attendance (ADA), this year, the E-Rate program has changed to a District wide budget, and is calculated based on total ADA for the District, less the District's discount percentage.. The District is responsible to pay the difference between what E-Rate pays and the actual cost of construction. Below Infinity has shown the estimated cost of the project and what Infinity estimates E-Rate will pay. Infinity based the E-Rate portion on a discount rate of 50% and the number of students that attended the District last year. If the District's ADA has gone up or down, the available funds E-Rate will provide will adjust accordingly.

Thank you,

A handwritten signature in blue ink, appearing to read "Kyle Gallemore".

Kyle Gallemore  
Business Development Manager  
Sales Engineer  
O: 661.716.1840  
C: 661.525.6959

### **Estimated Budget Information**

<b>Site</b>	<b>Eligible</b>	<b>Ineligible</b>	<b>Total</b>
Milpitas High School	\$ 471,753.00	\$ 5,247.00	\$ 477,000.00
<b>Estimated Project Total</b>	<b>\$ 471,753.00</b>	<b>\$ 5,247.00</b>	<b>\$ 477,000.00</b>

<b>E-Rate Funding Information</b>	
Pre-Discount E-Rate Budget	\$ 1,726,279.00
Available E-Rate Funding Less Customer Discount (Pre-Discount X 50%)	\$ 863,136.50

<b>Anticipated Customer Fees</b>	
E-Rate Project Cost – Client Portion (Project Total less E-Rate Funding	\$ 241,123.50
Infinity's Design Services or RFP and Application Management Fee	\$ 32,780.00
Infinity's Project Administration Fee	\$ 34,450.00
<b>Estimated Total Cost to Client</b>	<b>\$ 308,353.50</b>

## **Project Scope of Work**

### Structured Cabling

This budget includes the replacement of the entire fiber optic cabling system within the Milpitas HS site. All fiber as budgeted is 10gb single mode. The fiber manufacture and type will be determined through the design process.

In addition to the fiber optics, the budget includes a new low voltage conduit system to allow the District the expansion it requires to complete the upgrades. All locations have a budget of (2) two-inch conduit along with any required peripherals.

### **PDE Caveats**

1. This estimate is a preliminary budget ***only***. Full engineering of each system has not been performed. Investigation of the Client's existing site and/or equipment may have a significant effect on the pricing of the project.
2. The Estimate prices given are based on a fair and competitive bid environment. A reduced number of Contractor responses will influence the Price of the project.
3. Materials pricing fluctuations and may influence the Price of this project.
4. Timing of the E-Rate project being put out to bid may have a significant effect on the pricing of the project.
5. E-Rate eligibility is an estimate only, pending the SLD's review of the submitted project. Additional costs to the owner may occur because of the SLD's PIA process. It is not the responsibility of Infinity Communications or the winning contractor to pay/absorb this change in eligibility.

### **PDE Exclusions**

1. The PDE excludes any/all additional Electrical outlet that may be required for the New Equipment Locations: IDF, MDF and Servers.
2. The PDE excludes any/all temperature control equipment. Industry and Equipment Manufactures suggest that electronic components be kept in a dust free, temperature controlled (68° - 72°) environment.
3. The PDE excludes any/all extended maintenance and and/or service packages unless otherwise specified.

### **Authorization to Begin Design**

Upon the returned signature of the PDE Infinity will begin the design of the projects and their associated scopes of work.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Print Name

# ATTACHMENT

Site Name	ADA	Project Total Per Site	E-Rate Eligible Project Costs (Total – Ineligible)	Ineligible Project Costs (Total X .011)	E-Rate Portion (Eligible X Discount)	Site Portion ((Eligible – E-Rate Portion) +Ineligible)	Discount %	
Milpitas High School		\$ 477,000.00	\$ 471,753.00	\$ 5,247.00	\$ 235,876.50	\$ 241,123.50	50%	
	10,337	\$ 477,000.00	\$ 471,753.00	\$ 5,247.00	\$ 235,876.50	\$ 241,123.50		
				Infinity Design Fee				\$ 32,780.00
				Infinity Project Administration Fee				\$ 34,450.00
				Estimated Total Out of Pocket				\$ 308,353.50