RFP #2002-01 Network Infrastructure Additions & Refresh
Denton ISD

The Denton Independent School District is accepting responses for a Network Infrastructure Additions & Refresh project for a number of its campuses. This request is a combination of items for some, but not all campuses.

This is an E-Rate project. DISD will be following the E-rate process for the 2020 filing year. Our anticipation is to proceed after receiving a qualified funding letter, and begin installation in the Summer of 2020.

RFP Date of Issue:	Wednesday, January 15, 2020
E-Rate Form 470 Filed:	Wednesday, January 15, 2020
Pre-Proposal Conference:	Thursday, January 23, 2020
Deadline for Questions:	Thursday, February 6, 2020
Deadline for Response to Questions:	Monday, February 10, 2020

RFP Due Date for Responses: **Friday, February 14, 2020. 2:00pm CST**

The District plans to seek School Board approval at the February 25, 2020 Board Meeting.

Pre-Proposal Conference
A mandatory pre-proposal conference is scheduled for Thursday, January 23, 2020 at 10:00am.
Meeting location:
Technology Conference Room
Denton ISD Technology Building
1212 N. Elm Street
Denton, TX. 76201

Service providers will be disqualified for not attending the pre-proposal conference.

RFP Response Due Date & Location
All RFP responses are due on Friday, February 14, 2020 at 2:00pm CST. All response material must be delivered to:
Purchasing Department
RE: Network Infrastructure Additions & Refresh Project
1313 N. Elm Street
Denton, TX 76201

No late submissions will be accepted.

E-Rate Considerations

The District requests proposals from E-Rate eligible Category 2 Providers to provide the network electronics, cabling, and installation services.

The Schools and Libraries Program reimburses telecommunications, Internet access, and internal connections providers for discounts on eligible services provided to schools and libraries. While schools and libraries apply for these discounts, USAC works in conjunction with service providers to make sure these discounts are passed on to program participants.

The vendor must be eligible to participate in the Schools and Libraries Program and obtained a Service Provider Identification Number (SPIN) from USAC.

The vendor must be an eligible service provider for Internal Connections services as defined by the Federal Communication Commission (FCC) for reimbursement from the Schools and Libraries Program.

The vendor shall provide information demonstrating their capability in delivering the services requested in the RFP. Experience, qualification, and certifications will help determine the vendor's ability to deliver the specified services and help assure the District of a successful project.

The information in this Request For Proposal (RFP) is provided in conjunction with the Schools and Libraries Division (SLD) Forms 470 and 471, in partial fulfillment of the requirements for the FCC Universal Service Fund (a.k.a., "E-Rate") discounts. These programs provide discounts for: certain telecommunications products and services, including voice and data communications; Internet access; and, in some cases, internal connections. For more information about these Federal programs, and before responding to this RFP, please refer to the SLD web site, www.universalservice.org/sl/, or call the SLD Help Line at 888-203-8100. Please do not contact applicant personnel either with general questions about E-Rate, or to offer ineligible services or services not requested on this RFP. Bidders must have a valid Service Provider Identification Number (SPIN). Telecommunications providers must also be registered ("common carrier") providers as defined by the SLD. The district will pay the vendor for the full cost of the final project price after project completion and invoice the E-Rate program via BEAR forms, as specified by the SLD.

Evaluation and Award

An evaluation criteria matrix exists in this package. A committee will convene to review the proposals submitted and rank them according to the specific criteria.

The District does not award contracts on pricing alone. The District reserves the right to award the contract to the proposer(s) who offer the best value and in the best interest of the district.

The District reserves the right to be the sole judge as to the definition of "best value" and "Best interest of the district".

Project Details

This RFP is separated into 4 packages. Denton ISD will determine which, if any, of these will be awarded.

Package 1:
Core switch, Wireless, UPS, and access switching per campus.

Package 2:
Additional wireless access points for higher density areas

Package 3:
Additional core switches for remaining campuses

Package 4:
Additional access switching for campus IDFs

For each of these packages, include the listed equipment in identified quantities, and as well as all labor to install and configure as per Denton ISD specifications.

Awarded vendor is to remove any existing equipment and deliver to Denton ISD. Specific instructions will be provided prior to beginning of installation. The District will keep some of this equipment, and some will be discarded.

After award, a Project Kickoff meeting will be scheduled to confirm timelines, order of installation, and other implementation/scheduling details.

Package 1

Based on the following detail, provide, install, and configure the equipment as noted for each campus. There is a column for each of the following. A quantity of 1 ("one") on the campus detail spreadsheet listed below is a combination of the items as detailed below. For quantities greater than 1, then the associated items must be multiplied accordingly.

Campus Core Switch

The Campus Core Switch at each campus provides the connectivity for each IDF within that campus and connectivity back to the Denton ISD wide-area network. This switch provides all Layer 3 routing, Netflow, and logging information for that campus.

For the Campus Core switch, the Denton ISD standard is:
Qty=1, Cisco Catalyst 9500, part number C9500-C16X-E or equivalent
Qty=12, Cisco 10 GB SFP, part number SFP-10G-SR-S or equivalent
Qty=2, Cisco 10 GB SFP, part number SFP-10G-LR or equivalent

<u>Wireless Switch</u>

The Denton ISD network design dictates a dedicated switch for wireless access points in each MDF and IDF room. This design provides for predictable scalability and management for the district technology department and will continue to be used for this project.

The district wireless design leverages two different controllers to spread the access point load. One is located at the district's Network Operation Center, and one is located at Braswell High School.

As part of Package 1, provide, install, and configure the following at the Network Operations Center and Braswell High School:
Qty=1, Cisco Catalyst 9800 Series Wireless Controller, part number C9800-80-K9 or equivalent
Qty=1, Cisco DTLS license, part number LIC-C9800-DTLS-K9 or equivalent
Qty=1, Cisco Catalyst 9800-80 10 GE Module, part number C9800-10x10E= or equivalent

Denton ISD will identify which campuses are to be associated with each Controller.

As part of Package 1, provide, install, and configured the following based on the included tables which show requirements for each specific campus.
For each designated MDF and IDF, the Denton ISD standard is:
Qty=1, Cisco Catalyst 9300, part number C9300-48P-E or equivalent
Qty=1, Cisco C9300-NM-8X, Catalyst 9300 8x10GE Network Module or equivalent
Qty=2, Cisco 10 GB SFP, part number SFP-10G-SR-S or equivalent
Qty=1, Cisco power supply, part number PWD-C1-715WAC-P power supply or equivalent
Qty=1, Cisco power supply, part number PWR-C1-715WAC-P/2 power supply or equivalent
Qty=1, Cisco stacking cable, part number STACK-T1-50-CM or equivalent
Qty=1, Cisco DNA Essentials license or equivalent

<u>Wireless Access Points (APs)</u>

Denton ISD currently uses approximately 2,900 Cisco wireless access points. This project does not replace all access points.

For each wireless access point, the Denton ISD standard is:
Qty=1, Cisco Catalyst 9120AX Series wireless access point, part number C9120AXI-B-EDU or equivalent
Qty=1, Panduit 5' Ethernet Category 6, 28 AWG UTP patch cord with TX6 Modular Plugs on each end, yellow color, part number UTP28SP5YL or equivalent. This patch cable is used at that patch panel/switch side within the appropriate MDF or IDF room.
Qty=1, Panduit 8 meter Category 6 patch cod, part number UTPSPL8MYLY or equivalent.   This patch cable is used at the access point end of the horizontal cable system. The additional

length is for the ability to relocate the wireless access point within a radius from the horizontal termination jack for that location.

Uninterruptible Power Supply (UPS)

Denton ISD uses UPS equipment in each MDF and IDF room. This project does not replace all UPS equipment in the district.

For each UPS, the Denton ISD standard is:
Qty=1, American Power Conversion (APC) UPS, part number SRT2200RMXLA-NIC or equivalent.
Qty-1, APC mounting rail kit, part number SRTRK3 or equivalent

Campus Access Switching

Campus access switches are used to connected end devices over UTP category Ethernet cables.

For each access switch listed, the Denton ISD standard is:
Qty=1, Cisco Catalyst 9200 48-port switch, part number C9200-48P-E or equivalent
Qty=1, Cisco Network Module, part number C9200-NM-4X or equivalent
Qty=1, Cisco secondary power supply (for PoE density, not for redundancy), part number PWR-C6-1KWAC/2 or equivalent
Qty=1, Cisco Catalyst 9200 Stack Kit, part number C9200-STACK-KIT or equivalent
Qty=1, Cisco DNA Essentials or equivalent

Package 2

For each campus and the quantity request below, provide, configure, and install the following:
Qty=1, Cisco Catalyst 9120AX Series wireless access point, part number C9120AXE-B-EDU or equivalent
Qty=1, Cisco wireless patch antenna, part number AIR-ANT2566D4M-R= or equivalent
Qty=1, Ventev wireless access point enclosure to mount access point with external dipole antennas, Ventev part number V12105LO-CG or equivalent
Qty=2, Category 6A cables from a patch panel to an access point location. Estimate 250' horizontal cable distance. Denton ISD standard is Panduit Category 6A cable, Panduit 2-port surface mount enclosure at AP location, with MiniCom inserts (yellow) at each end. Product specification is Panduit or equivalent.

Package 2 Campuses and Quantities
Braswell High School   6
Denton High School   6
Guyer High School   6
Ryan High School   6
Strickland Middle   4

Package 3: Additional Campus Core switches

The Campus Core Switch at each campus provides the connectivity for each IDF within that campus and connectivity back to the Denton ISD wide-area network. This switch provides all Layer 3 routing, Netflow, and logging information for that campus.

For Package 3, provide the following, with campus designation to be determined after award.
Qty=1, Cisco Catalyst 9500, part number C9500-C16X-E or equivalent
Qty=1, Cisco 10 GB SFP, part number SFP-10G-SR-S or equivalent
Qty=1, Cisco 10 GB SFP, part number SFP-10G-LR or equivalent

Package 3 Campuses and Quantities
Adkins Elementary School   1
Blanton Elementary School   1
Hawk Elementary School   1
Nelson Elementary School   1
Rivera Elementary School   1
Stephens Elementary School 1
Harpool Middle School   1

Package 4: Additional Access Switching

For Package 4, provide the following for each campus in the quantity listed in the table below the product itemization.

Qty=1, Cisco Catalyst 9200 48-port switch, part number C9200-48P-E or equivalent
Qty=1, Cisco Network Module, part number C9200-NM-4X or equivalent
Qty=1, Cisco secondary power supply (for PoE density, not for redundancy), part number PWR-C6-1KWAC/2 or equivalent
Qty=1, Cisco Catalyst 9200 Stack Kit, part number C9200-STACK-KIT or equivalent
Qty=1, Cisco DNA Essentials or equivalent

Package 4 Campuses and Quantities
Braswell High School   7
Rodriguez Middle School   6
Navo Middle School   6
McMath Middle School   2

	Campus Core	Wireless Switch	Wireless Access Points	UPS	Access Switches
Elementary Schools					
Adkins Elementary					
MDF		1	55	1	
IDF 1 (B131)		1		1	
IDF 2 (B145)		1		1	
Alexander Elementary					
MDF	1	1	53	1	
IDF 1 (A127)		1		1	
IDF 2 (B147)		1		1	
IDF 3 (D011)		1		1	
Bell Elementary					
MDF	1	1	53	1	5
IDF 1		1		1	
IDF 2		1		1	
Blanton Elementary					
MDF		1	55	1	
IDF 1 (A112)		1		1	
IDF 2 (F103)		1		1	
Borman Elementary					
MDF	1	1	51	1	
IDF 1 (E513)		1		1	
IDF 2 (Borman Electrical Room)		1		1	
IDF 3 (B209)		1		1	
Cross Oaks Elementary					
MDF	1	1	52	1	4
IDF 1		1		1	2
IDF 2		1		1	
IDF 3		1		1	
E.P. Rayzor Elementary					
MDF	1			1	
IDF 1 (W Hall)				1	
IDF 2 (E Hall)				1	
Evers Park Elementary					
MDF	1			1	

switch count				1	
				1	
Ginnings Elementary					
MDF	1			1	
IDF 1 (201)				1	
IDF 2 (710)				1	
IDF 3 (North Bookroom)				1	
IDF 4 (602)				1	
IDF 5 (604)				1	
IDF 6 (Office Workroom)				1	
Hawk Elementary					
MDF		1	51	1	
IDF 1		1		1	
Hodge Elementary					
MDF	1			1	
IDF 1				1	
IDF 2				1	
Houston Elementary					
MDF	1			1	
				1	
McNair Elementary					
MDF	1			1	
IDF 1				1	
IDF 2				1	
Nelson Elementary					
MDF		1	55	1	
IDF 1		1		1	
IDF 2		1		1	
Newton Rayzor Elementary					
MDF	1			6	
Paloma Creek Elementary					
MDF	1	1	54	1	
IDF 1 (200A)		1		1	
IDF 2 (600A)		1		1	

Pecan Creek Elementary					
MDF	1	1	57	1	
IDF 1		1		1	
IDF 2		1		1	
Providence Elementary					2
MDF	1	1	55	1	
IDF 1 (S Hall)		1		1	
IDF 2 (P Hall)		1		1	
Rivera Elementary					
MDF					
IDF 1 (Library: 35C)					
IDF 2 (Room 48)					
Savannah Elementary					
MDF		1	57	1	
IDF 1 (A112)		1		1	
IDF 2 (F103)		1		1	
Stephens Elementary					
MDF					
IDF 1 (A112)					
IDF 2 (C106)					
IDF 3 (F103)					
Union Park Elementary					
MDF					
IDF 1					
IDF 2					
W.S. Ryan Elementary					
MDF	1	1	54	1	
IDF 1 (PC)		1		1	
IDF 2 (EC)		1		1	
IDF 3 (WC)		1		1	
P1 (Ceiling)				1	
E1 (Ceiling)					
W1 (Ceiling)					
Wilson Elementary					
MDF	1			1	
IDF 1				1	

Middle Schools

Calhoun Middle School					
MDF	1			1	
IDF 1 (Office)				1	
M101				1	
M103				1	
M104 (Lab)				1	
M105 (Lab)				1	
M107 (Wirless)					
M110					
M202					
M204					
M205 (Wireless)					
M207					
M302					
M303					
M304					
M306 (Wireless)					
M308					
J102					
J103					
J105					
J108					
J109					
J Hall (Wireless)					
J Coaches Office					
E100 (Wireless)					
E102					
E103					
E107					
E109					
Theatre					
Band Hall					
South 1st Floor IDF					
South 2nd Floor IDF					
Crownover Middle School					
MDF	1	1	79	1	
IDF 1 (Upper A Hall)		1		1	
IDF 2 (Upper C Hall)		1		1	
IDF 3 (Lower A Hall)		1		1	

IDF 4 (Lower B Hall)		1		1	
IDF 5 (Lower C Hall)		1		1	
Weight Room (E1)		1		1	
Harpool Middle School					
MDF		1	80	1	
IDF 1 (SA 102)		1		1	
IDF 2 (SB 107)		1		1	
IDF 3 (SA 203)		1		1	
IDF 4 (SA 207)		1		1	
IDF 5 (SB 203)		1		1	
Weight Room					
McMath Middle School					
MDF	1			1	
IDF 1				1	
IDF 2				1	
IDF 3				1	
IDF 4				1	
Myers Middle School					
MDF	1	1	83	1	
IDF 1 (Lower A Hall)		1		1	
IDF 2 (Lower B Hall)		1		1	
IDF 3 (Lower C Hall)		1		1	
IDF 4 (Lower D Hall)		1		1	
IDF 5 (Upper A Hall)		1		1	
IDF 6 (Upper B Hall)		1		1	
IDF 7 (Upper C Hall)		1		1	
Navo Middle School					
MDF	1	1	89	1	
IDF 1 (SA 102)		1		1	
IDF 2 (SB 107)		1		1	
IDF 3 (SA 203)		1`		1	
IDF 4 (SA 207)		1		1	
IDF 5 (SB 203)		1		1	
Weight Room		1		1	
Rodriguez Middle School					
MDF	1	1	85	1	
IDF 1 (Front Office)		1		1	
IDF 2 (Lower NW Pod)		1		1	
IDF 3 (Lower NE Pod)		1		1	

IDF 4 (Lower SE Pod)		1		1	
IDF 5 (Upper NW Pod)		1		1	
IDF 6 (Upper NE Pod)		1		1	
IDF 7 (upper SE Pod)		1		1	
IDF 8 (Gym)		1		1	
IDF 9 (Fine Arts)		1		1	
Strickland Middle School					
MDF	1			4	

High Schools

Braswell High School					
BHS MDF	1	1	190	1	7
BHS Lower A Hall (A112.1)		1		1	
BHS Lower B Hall (B112.1)		1		1	
BHS Lower C Hall (C112.1)		1		1	
BHS Upper A Hall (A210.1)		1		1	
BHS Upper B Hall (B210.1)		1		1	
BHS Upper C Hall (C210.1)		1		1	
BHS Auditorium (G204.1)		1		1	
BHS Art (J110)		1		1	
BHS Music (K101)		1		1	
BHS Counselors (F114.2)		1		1	
BHS Café (F124.2)		1		1	
BHS Gym Hall (K10)		1		1	
BHS Competition Gym (P200.2)		1		1	
BHS Practice Gym (N119.1)		1		1	
BHS Football FH		1		1	
BHS East FH		1		1	
BHS Softball FH		1		1	
BHS Football Pressbox		1		1	
BHS Football Concessions		1		1	
Denton High School					
MDF	1			11	
(multiple IDF rooms, will be defined prior to installation)					
Guyer High School					
GHS MDF	1	1	219	1	
GHS IDF A110		1		1	
GHS IDF B106		1		1	
GHS IDF B158		1		1	

GHS IDF B206		1		1	
GHS IDF B258		1		1	
GHS IDF B270		1		1	
GHS IDF F111		1		1	
GHS IDF G127		1		1	
GHS IDF G138		1		1	
GHS IDF H144		1		1	
GHS Lower 9th Grade (D126)		1		1	
GHS Upper 9th Grade (D211)		1		1	
GHS Fieldhouse IDF		1		1	
GHS Fieldhouse Ceiling		1		1	
LaGrone Advanced Technology Complex Ryan High School (multiple IDF rooms, will be defined prior to installation)	1			11	
Alternative Schools					
Davis School DAEP				1	
Sparks Campus				1	
Early Childhood Schools					
Gonzalez School for Young Children	1	5	33	5	
Windle School for Young Children	1	5	41	5	

Item	Price for E-Rate eligible products and/or services	Price of non-Erate eligible products and/or services
Elementary Schools		
Adkins Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Alexander Elementary (now Lee Elementary)		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Bell Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Blanton Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		

Borman Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Cross Oaks Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
E.P. Rayzor Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Evers Parks Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		

Ginnings Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Hawk Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Hodge Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Houston Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		

McNair Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Nelson Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Newton Rayzor Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Paloma Creek Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		

Pecan Creek Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Providence Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Rivera Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Savannah Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		

Stephens Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Union Park Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
W.S. Ryan Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Wilson Elementary		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		

Middle Schools

Calhoun Middle School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Crownover Middle School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Harpool Middle School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
McMath Middle School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		

Myers Middle School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Navo Middle School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Rodriguez Middle School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Strickland Middle School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		

High Schools

Braswell High School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Package 1 compoents (One Wireless Controller)		
Installation Cost per Campus		
Denton High School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Guyer High School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Ryan High School		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		

Other Schools & Locations

Davis School DAEP		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Sparks Campus		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Gonzalez School For Young Children		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Windle School for Young Children		
Package 1 components		
Campus Core Switch		
Wireless Switch(s)		
Wireless Access Points (APs)		
UPS		
Access Switches		
Installation Cost per Campus		
Denton ISD Network Operations Center		
Package 1 compoents (One Wireless Controller)		

Package 1 Total		
Package 2		
Braswell High School, Package 2		
Denton High School, Package 2		
Guyer High School Package 2		
Ryan High School, Package 2		
Strickland Middle School, Package 2		
Package 3		
Adkins Elementary School, Package 3		
Blanton Elementary School, Package 3		
Hawk Elementary School, Package 3		
Nelson Elementary School, Package 3		

Item	Price for E-Rate eligible products and/or services	Price of non-Erate eligible products and/or services
Package 4		
Braswell High School, Package 4		
Rodriguez Middle School, Package 4		
Nava Middle School, Package 4		
McMath Middle School, Package 4		