



Administrative Offices 1163 E. Seventh Street Chico, CA 95928-5999
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CATEGORY 2 CABLING INFRASTRUCTURE

E-Rate Year 19 (2016-2017)

RFP # 2016-102

Request for Proposals Issued: December 8, 2015

**Deadline for Submittal of Proposals: January 15, 2016
Before 2:00pm**

Attention: IT Department

**Chico Unified School District
1163 E. 7th Street
Chico, California 95928**

SUMMARY

The Chico Unified School District is soliciting quotes for cabling infrastructure at 10 school sites. The 10 sites will be bid as five individual projects. See below:

Cabling Infrastructure Project I

- Citrus, Chapman, and McManus Elementary Schools

Cabling Infrastructure Project II

- Fair View High, Rosedale and Parkview Elementary Schools

Cabling Infrastructure Project III

- Pleasant Valley and Chico High Schools

Cabling Infrastructure Project IV

- Marigold Elementary

Cabling Infrastructure Project V

- Inspire School of Arts and Science

The projects consist of Cabling Schools to CAT6 specification (or equivalent) and upgrading Fiber backbone to 50 micron (or equivalent) for the above school sites. The District is requiring that the entire project be completed by September 30, 2017. To ensure we meet that deadline we have requested five separate bid packages. The project will awarded to one or more vendors and have five separate contracts.

Please see Appendix A for list of school sites.

Please see Appendix B for scope of work and school diagrams

In Addition, Please provide the following information:

1. Length of time business has provided this type of service.
2. Manufacturer's warranty information for equipment
3. Indicate any options available.
4. Please show applicable discounts separately, if applicable.
5. Your E-Rate Service Provider Identification Number (SPIN) on your proposal.
6. An implementation timeline proposal starting April 1, 2016 (beginning with Project 1).
7. Indicate how charges will be incurred as services are implemented.
8. Evidence of Certifications
9. Vendors must include 3 reference sites using your service 3 years or more. References from school districts or county offices of education in California are preferred.

- Job Location
- Contact name and telephone number
- Date of contract
- Project Description
- Equipment/Service Installed

Special Conditions:

1. Prices to remain firm through SLD approval, execution, and duration of the proposed contract. In the event of a price decrease for service or from the manufacturer, said decrease shall be passed on to the Chico Unified School District and documented with new price sheet sent to Chico Unified School District.
2. All equipment costs must be included and identified separately.
3. All equipment and material must be new. Used, refurbished or repurposed equipment or material is not acceptable.
4. The Board of Education reserves the right to reject any and all bids/proposals, or any or all items of any bid/proposal.
5. This RFP will be posted to the Chico Unified School District website (<http://www.chicousd.org/erate/>). Any additions or corrections will be addressed in the form of addenda posted to the same location on the website.
6. All questions regarding this RFP should be directed to John Sclare, jsclare@chicousd.org, with the subject of “**ERATE RFP# 2016-102 question**”.
7. The Deadline for questions will be 1/4/2016 4:00pm.
8. Responses to all questions will be made by 1/8/2016 and will be posted on the district website.
9. It is the responsibility of the prospective bidder to check the website for updates or addenda.
10. You must provide one original and two copies of your proposal (3 total). You must also provide one digital copy (CD or flash drive) of your proposal.
11. All service providers bidding on this RFP must maintain an office within 100 miles of district. In order to provide and maintain a quick response time and support for the district.
12. No Bid form is provided for this bid.

VENDOR REQUIREMENTS

The vendor must meet or exceed minimum qualification requirements.

All submitted proposals must provide at a minimum, all requested information in the proposal document. **Any portion not included will be cause for elimination from the quote process.** The information should be organized as indicated in the proposal requirements. The District reserves the right to eliminate from further consideration any response, which is deemed to be substantially or materially unresponsive to the RFP.

All information submitted is to be considered public knowledge and will be subject to The Public Records Act or any other applicable laws.

PROPOSAL EVALUATION

Each response will be reviewed prior to the selection process for completeness and adherence to format. A response will be considered complete if all requested sections are included in the proper order and properly completed. Vendors may also provide any and all recommendations for consideration such as installation, maintenance, support and design that is relevant to the total solution of the District's technology needs.

Evaluation Criteria

- Costs, including unit prices, labor rates, travel/trip charges, etc.
- Extent to which specifications are met if equivalent equipment is proposed.
- Extent of experience with the district.
- Client references and/or citations from prior installations where equal services have been provided for projects of similar size and complexities.
- Quote preparation, thoroughness, and responsiveness to the RFP requirement.

The successful bidder will be chosen based upon best value. The district reserves the right to reject any or all bids.

RFP SCHEDULE

Proposal offered	December 8, 2015
Walk Through	8:00 a.m., December 17, 2015
RFP/BID question deadline	4:00 p.m., January 4, 2016
RFP/BID question response	5:00 p.m., January 8, 2016
Proposal closing	2:00 p.m., January 15, 2016
Proposal opening	Date of Proposal closing
Selection	Before 471 filing date (approximately January 22, 2016)
Award of Proposal	Contingent on E-RATE Award and District Funding

SPECIFIC INSTRUCTIONS & INFORMATION TO BIDDERS

1. **PROPOSALS:** Each proposal shall be submitted on forms supplied by District. Each proposal shall conform and be responsive to District specifications. Bidder shall furnish complete specifications and rates for all services requested. Additional pricing schedules detailing items listed on the proposal shall be attached to the proposal form.
2. **DEADLINE FOR RECEIPT OF PROPOSAL:** One signed original, two hard copies and one digital copy of the proposal must be submitted in sealed envelopes and should be properly identified with the proposal number and **Proposals must arrive in the IT Department, 1163 East Seventh Street, Chico, CA 95928 January 15, 2016 before 2:00 PM, local time.** Telephone, telegraphic, facsimile, emailed, and late proposals will not be accepted or considered.
3. **PROPOSAL SUBMISSION REQUIREMENT:** Proposals shall be submitted to the address above and labeled as follows:

RFP 2016-102 Cabling Infrastructure

It is the sole responsibility of the bidder so see that the proposal is received in proper time as stated in the Notice to Bidders. Any proposal received after the scheduled closing time for receipt of proposals will be rejected and returned to the bidder.

4. **TYPEWRITTEN/WRITTEN IN INK:** All prices or notations must be typed or written in ink. Proposals written with pencil will not be accepted.
5. **ERASURES:** The proposal submitted must not contain erasures, interlineations, or other corrections unless each such correction is suitably authenticated by affixing in the margin immediately opposite the correction the surname or surnames of the person or person signing the proposal.
6. **QUOTE SEPARATELY:** Quote on each item separately. Prices should be stated based on quantities/units specified on the proposal form.
7. **ALL COSTS INCLUDED:** All costs must be included in the bidder's proposal. The bidder shall deliver, install, and complete an integrated system, which may include use of the District's own existing equipment referenced herein. These specifications are meant to outline the District's

functional requirements and are not meant to be an exhaustive list of services required to accomplish these requirement.

8. **TAXES AND INSURANCE:** All insurance that may be required shall be included in all bid response quotations. The District is not exempt from California State sales and use taxes. The District is exempt from paying Federal Excise Taxes. California sales tax shall be included in the bid response quotations as a separate line item.
9. **SIGNATURE:** The proposal must be signed in the name of the bidder and must bear the signature in longhand of the person or persons duly authorized to sign the proposal. In case a proposal is submitted by a corporation, it must be signed in the name of such corporation by a duly authorized officer or agent thereof.
10. **MODIFICATIONS:** Changes in or additions to the proposal form, recapitulations of the work proposal upon, alternative proposals, or any modifications of the proposal form which is not specifically called for in the contract documents may result in the District's rejection of the proposal as not being responsive to the invitation to proposal. No oral or telephonic (facsimile machine, FAX, inclusive) modifications of any proposal submitted will be considered.
11. **EXAMINATION OF CONTRACT DOCUMENTS:** Bidders shall thoroughly examine and be familiar with the Drawing and Specifications. The failure or omission of any bidder to receive or examine any contract documents, forms, instruments, addenda or other documents or to visit the site and acquaint himself with conditions there existing shall in no way relieve any bidder from obligations with respect to his proposal or the contract. The submission of a proposal shall be taken as "Prime Facie" evidence of compliance with this section.
12. **ERROR IN PROPOSAL:** Any claim by bidder of error in his proposal must be made before proposals are opened, or the claim shall be deemed waived. Any bidder may withdraw his proposal at any time before the time at which proposals are due and the Request For Proposals is closed and, having done so, no bidder will be permitted to resubmit a proposal.
13. **WITHDRAWAL OF PROPOSAL:** Any bidder may withdraw his proposal by written request. All proposals received by the District shall remain subject to the acceptance for a period of ninety (90) calendar days after the date of the proposal opening.
14. **AWARD OF CONTRACT LIMITATION:** No proposal will be accepted from or contract awarded to any party or firm in arrears to the District, or who is a defaulter as surety, contractor or otherwise.

15. **EVIDENCE OF RESPONSIBILITY:** Upon the request of the District, a bidder whose proposal is under consideration for the award of the Contract shall submit promptly to the District satisfactory evidence showing the bidder's financial resources, his experience and organization available for the performance of the contract.
16. **ACCEPTANCE OR REJECTION OF PROPOSALS:** The Board of Education reserves the right to reject any and all proposal, or any or all items of any proposal, or waive any irregularity of any proposal. No proposal may be withdrawn for a period of ninety (90) days without written approval of the District.
17. **PREVAILING LAW:** In the event of any conflicts or ambiguities between these specifications and state or federal laws, regulations or rules, then the latter shall prevail.
18. **BRANDS.** When a particular brand or brand and number are named in connection with any item, it is named as a standard of quality and utility only. A Bidder may submit a bid to furnish an item other than that named, but the item offered by the Bidder must state in the Bid Form the brand with its number, if any, which he will furnish. The District shall be the sole judge of whether an offered item is the equal of the named item. If the Bidder fails to write in the brand and number of the item to be furnished, it is understood the bidder will furnish the item named by the District as the standard of quality and utility.
19. **SAMPLES.** Where the Bidder quotes on a brand named as a standard of the quality and utility desired, a sample of the item will not be required unless specifically requested. If the bid submitted is on any other brand or make than that so named, a sample thereof must be furnished, if requested, or the bid on the item will not be considered. The sample submitted shall be the exact item the Bidder proposes to furnish. Samples of items, when requested, must be furnished free of expense to the District.
20. **FEDERAL OR STATE REGULATIONS.** The Bidder's proposal and any contract entered into are subject to all applicable statutes of the United States or of the State and all applicable regulations and orders of the Federal or State governments now in effect or which shall be in effect during the period of such contract.
21. **ASSIGNMENT PROHIBITED.** No contract awarded under this proposal shall be assigned without the approval of the Board of Education. Any attempted assignment in violation of the provision shall be voidable at the option of the Board.

22. **PATENT RIGHTS, COPYRIGHTS, AND TRADEMARKS.** The Bidder shall save, keep, bear harmless, and fully indemnify the District and any of its officers or agents from all damages, or claims for damages, costs, or expenses in law or equity that may at any time arise or be set up for any infringement of the patent rights, copyrights, or trademarks of any person in consequence of the use by the District, or by any of its officers or agents of items to be supplied by the Bidder.
23. **DELIVERY.** All items shall be delivered in quantities specified in the contract F.O.B., at the points within the District as specified in the contract. Deliveries in advance of the time specified in the contract shall not be accepted unless the Bidder has obtained prior approval from the District. Unless otherwise specified, if an item is not delivered as specified in the contract or if the Bidder delivers an item which does not conform to the Specifications, the Board of Trustees may, at its option, annul and set aside the contract, either in whole or in part, and may enter into a new contract in accordance with law for furnishing such item. Any additional cost or expense incurred by the District in the making of such contract or any additional cost of supplying an item by reason of the failure of the Bidder, as described in this paragraph, shall be paid by the Bidder or his surety.
24. **INSPECTION OF ITEMS FURNISHED.** All items furnished shall be subject to inspection and rejection by the District for defects or non-compliance with the specifications. The cost of inspection on deliveries or offers for delivery which do not meet specifications may be deducted from the contract price.
25. **INABILITY TO PERFORM.** In the event that Bidder is prevented from making delivery or otherwise performing on time as specified in the contract by fire, flood, earthquake, labor or transportation problems, war, acts of government, or any other similar cause commonly known as an act of God, which is not the fault of the Bidder, the Bidder shall not be required to deliver or perform, subject to the following requirements:
- a. The Bidder shall send written notice to the District of the Bidder's inability to perform in accordance with the contract. The notice shall contain all facts which show the condition which prevents performance. The Bidder shall send such notice as soon as possible but in no event later than the fifth (5th) day following the date of issuance of a purchase order by the District or no later than the date specified in the contract for delivery or other performance, whichever is applicable.
 - b. The District may cancel the contract or purchase order, entirely or in part.
 - c. The Bidder shall not make any delivery or otherwise attempt to perform under the contract except on the basis of issuance by the District of a new purchase order or other written instruction.

26. **WARRANTY-PRODUCT.** Seller warrants that all articles furnished shall be free from all defects of material and workmanship, that all articles shall be fit and sufficient for the purposes intended, and shall save, keep, bear harmless and fully indemnify the District and any of its officers, employees or agents from all damages, or claims for damages, costs or expenses in law or equity that may at any time arise from Buyers normal use.
27. **EQUAL OPPORTUNITY EMPLOYMENT.** Bidder, in submitting his proposal certifies that he is an Equal Opportunity Employer, and certifies that he is in compliance with the Civil Rights Act of 1964, the State Fair Employment Practice Act, and all other applicable Federal and State laws and regulations relating to equal opportunity employment, including Executive Order No. 11246 of September 24, 1965.
28. **GOVERNING LAW AND VENUE :**In the event of litigation, the bid documents and related matters shall be governed by and construed in accordance with the laws of the State of California. Venue shall be with the appropriate state or federal court located in Sacramento County.
29. **CONTACT WITH BOARD OF EDUCATION:** No business entity, including any agent of such entity, shall directly or indirectly contact any board member immediately before or during the bidding process of any project on which the business entity intends to or has submitted a bid. Any vendor violating this policy shall be deemed disqualified from bidding. Should such contact come to light after the bid is awarded and the entity was deemed the successful bidder, the Board reserves the right to cancel any contract awarded.
30. **ARBITRATION:** All claims of \$375,000 or less which arise between the bidder and the District shall be subject to the settlement and arbitration provisions set forth in the public Contract Code Sections 20104 through 20104.8, which provisions are incorporated hereby by this reference.
31. **BID PROTEST.** Any bid protest by any Bidder must be submitted in writing to the District before 5:00 p.m. of the **third (3rd)** business day following bid opening.
- a. The protest must contain a complete statement of any and all bases for the protest.
 - b. The protest must refer to the specific portions of all documents that form the bases for the protest.
 - c. The party filing the protest must have actually submitted a bid. A bidder may not rely on the bid protest submitted by another bidder, but must timely pursue his or her own protest.

- d. The protest must include the name, address and telephone number of the person representing the protesting party.
- e. The party filing the protest must concurrently transmit a copy of the protest and any attached documentation to all other parties with a direct financial interest that may be adversely affected by the outcome of the protest. Such parties shall include all other bidders or proposers who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
- f. The bidder whose bid has been protested may submit a written response to the bid protest. Such response shall be submitted to the District no later than 5:00 p.m., no later than three (3) working days after the deadline for submission of the bid protest, as set forth above, and shall include all supporting documentation. Such response shall also be transmitted concurrently to the protesting bidder and to all other bidders who appear to have a reasonable prospect of receiving and award depending upon the outcome of the protest.
- g. The procedure and time limits set forth in this paragraph are mandatory and are each bidder's sole and exclusive remedy in the event of bid protest. Failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest, including filing a Government Code Claim or legal proceedings.
- h. A "business day", for purposes of this section, means a weekday during which the District's office is open and conducting business.

- 32. E-RATE PARTICIPATION: The District is participating in the Federal Universal Service Discount program for schools and libraries (E-Rate), offered by the Federal Communications Commission (FCC), via the Schools and Libraries Division (SLD). The proposal and the contract negotiated implementing this proposal, are conditional and subject to full E-Rate funding by the SLD. The District reserves the right to cancel or in any manner reduce the scope of this procurement in the event the SLD does not completely fund the request for funding submitted referencing this proposal.
- 33. SPIN: Each vendor providing services to the District as part of the E-Rate program must have a Service Provider Identification Number (SPIN). Vendor is responsible to apply to and receive from the Schools and Libraries Division a valid SPIN. Schools and Libraries Division can be reached online at: <http://www.usac.org/sl>
- 34. RIGHT TO TERMINATE: District reserves the right to terminate this Request for Proposal and all documents associated with the Request for Proposal, including but not limited to a Letter of Intent/Letter of Agreement, in its sole discretion at any time, with or without cause, upon

written notice to the other party. In the event of termination, notice shall be deemed served on the date of mailing and shall be effective immediately. The District shall not be responsible for any costs to Bidder/Contractor prior to termination.

35. **RIGHT TO TERMINATE:** District reserves the right to terminate this Request for Proposal and all documents associated with the Request for Proposal, including but not limited to a Letter of Intent/Letter of Agreement, in its sole discretion at any time and without cause, upon written notice to the other party. In the event of termination, notice shall be deemed served on the date of mailing and shall be effective immediately. The District shall not be responsible for any costs to Contractor prior to termination.
36. **CONTRACTOR REGISTRATION SB854:** All contractors and subcontractors intending to bid or perform work on public works projects will be required to meet minimum qualifications and register (and annually renew) online for the program. The cost to register for the program is \$300 and is nonrefundable. The DIR will post a list of registered contractors and subcontractors on its website. Duty to notify DIR when awarding a contract for a public works project, using the online PWC-100 form. This requirement, found in Labor Code Section 1773.3, now applies to all public works projects. Previously it applied to projects subject either to apprenticeship or DIR compliance monitoring requirements.

Appendix A - school sites and address

School Name	Address	City,State Zip
ACADEMY FOR CHANGE	290 East Avenue	Chico, CA 95926-1122
BIDWELL JUNIOR HIGH	2376 North Avenue	Chico, CA 95926-1434
CENTER FOR ALTERNATIVE LEARNING	290 East Avenue	Chico, CA 95926-1122
CHAPMAN ELEMENTARY	1071 East 16th Street	Chico, CA 95928-6207
CHICO HIGH	901 Esplanade	Chico, CA 95926
CHICO JUNIOR HIGH	280 Memorial Way	Chico, CA 95926-3921
CITRUS AVENUE ELEMENTARY	1350 Citrus Avenue	Chico, CA 95926-3219
EMMA WILSON ELEMENTARY	1530 West Eighth Avenue	Chico, CA 95926-7155
FAIR VIEW HIGH (CONTINUATION)	290 East Avenue	Chico, CA 95926
HARRY MARSH JUNIOR HIGH	2253 Humboldt Road	Chico, CA 95928-9132
HOOKER OAK ELEMENTARY	1238 Arbutus Avenue	Chico, CA 95926-3586
INSPIRE SCHOOL OF ARTS	335 W Sacramento Ave	Chico, CA 95926
JOHN A MCMANUSELEMENTARY	988 East Avenue	Chico, CA 95926-1398
LITTLE CHICO CREEK ELEMENTARY	2090 Amanda Way	Chico, CA 95928-3700
LOMA VISTA	2404 Marigold Avenue	Chico, CA 95926
MARIGOLD ELEMENTARY	2446 Marigold Avenue	Chico, CA 95926-1697
NEAL DOW ELEMENTARY	1420 Neal Dow Avenue	Chico, CA 95926-2441
OAKDALE ELEMENTARY	2376 North Avenue	Chico, CA 95926
OAKDALE SECONDARY	290 East Avenue	Chico, CA 95926-3219
PARKVIEW ELEMENTARY	1770 East Eighth Street	Chico, CA 95928-4107
PLEASANT VALLEY HIGH	1475 East Avenue	Chico, CA 95926-1699
ROSEDALE ELEMENTARY	100 Oak Street	Chico, CA 95928-5046
SHASTA ELEMENTARY	169 Leora Court	Chico, CA 95926-0252
SIERRA VIEW ELEMENTARY	1598 Hooker Oak Avenue	Chico, CA 95926-2961

NOTES: Academy for Change and Oakdale Secondary are located on the Fairview Campus.

Any other location within the Greater Chico area designated by the District

Appendix B - Scope of work and School diagrams

Cabling Infrastructure Project I

Citrus, Chapman, and McManus Elementary Schools

Citrus Elementary Scope

Room	MDF/IDF Location	Voice Feeds to MPOE	Fiber Strands	Exterior Wireless AP Locations	New Cat 6 Cabling	New Fiber	Data Cabinet
928	MDF		60	16			
914	IDF		12			upgrade 50u	
23	IDF		12		6	upgrade 50u	
13	IDF		12		6	upgrade 50u	
21	IDF		12		6	upgrade 50u	
12	Lab		12		2	Install 50u	
Hallway					8		
1					6		
2					6		
3					6		
4					6		
5					6		
6					6		
7					6		
8					6		
9					6		
10					6		
11					4		
14					6		
15					6		
16					6		
17					6		
18					6		
MPR					6		
933					6		
admin					6		
24					6		
25					6		
				16	152		

Notes:

16 Outdoor Wireless in Various Locations (2 each)

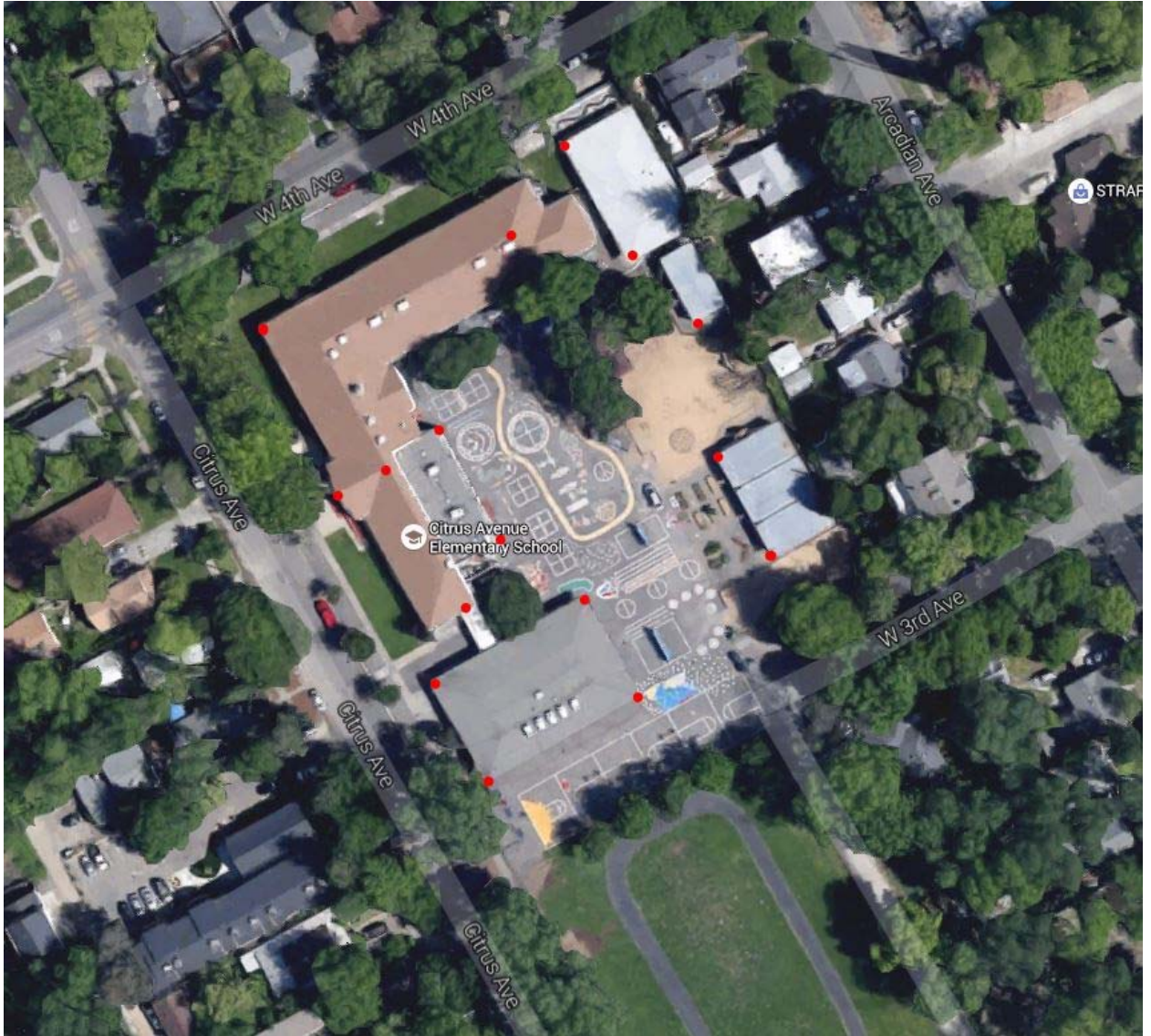
All existing cable to be re-certified by contractor and relabel as needed

10 Gig backbone fiber optic backbones will be required. OM3-300 meter at a minimum. OM4-550 meter at a maximum

New 2" conduit with cans between room 12 and room 13

Move existing IDF in room 23 up within 2" of the ceiling

Add a 2" seal-tight sleeve between room 23 and 24



McManus Elementary Scope

Room	MDF/IDF Location	Voice Feeds to MPOE (RM 906)	Fiber Strand Count	Exterior Wireless AP Locations	New Cat 6 Cabling	New Fiber	Data Cabinet
922	MDF		84	16			
925					6		
907	MPR		12			upgrade 50u	
912	Office		12			upgrade 50u	
Hall	Unit C		12			upgrade 50u	
20	Lab		12		6	upgrade 50u	
3A	Class		12		6	upgrade 50u	
25	Class		12		6	upgrade 50u	
29	Class		12		6	upgrade 50u	
1					6		
2					6		
3					6		
4					6		
5					6		
6					6		
7					6		
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18					6		
19					6		
21					6		
22					6		
23					6		
24					6		
26					6		
27					6		
28					6		
30					6		

31					6		
Main Office					6		
909					6		
MPR					6		
904					6		
					16	222	

Notes:

16 Outdoor Wireless Data Drops in Various Locations (2 each)

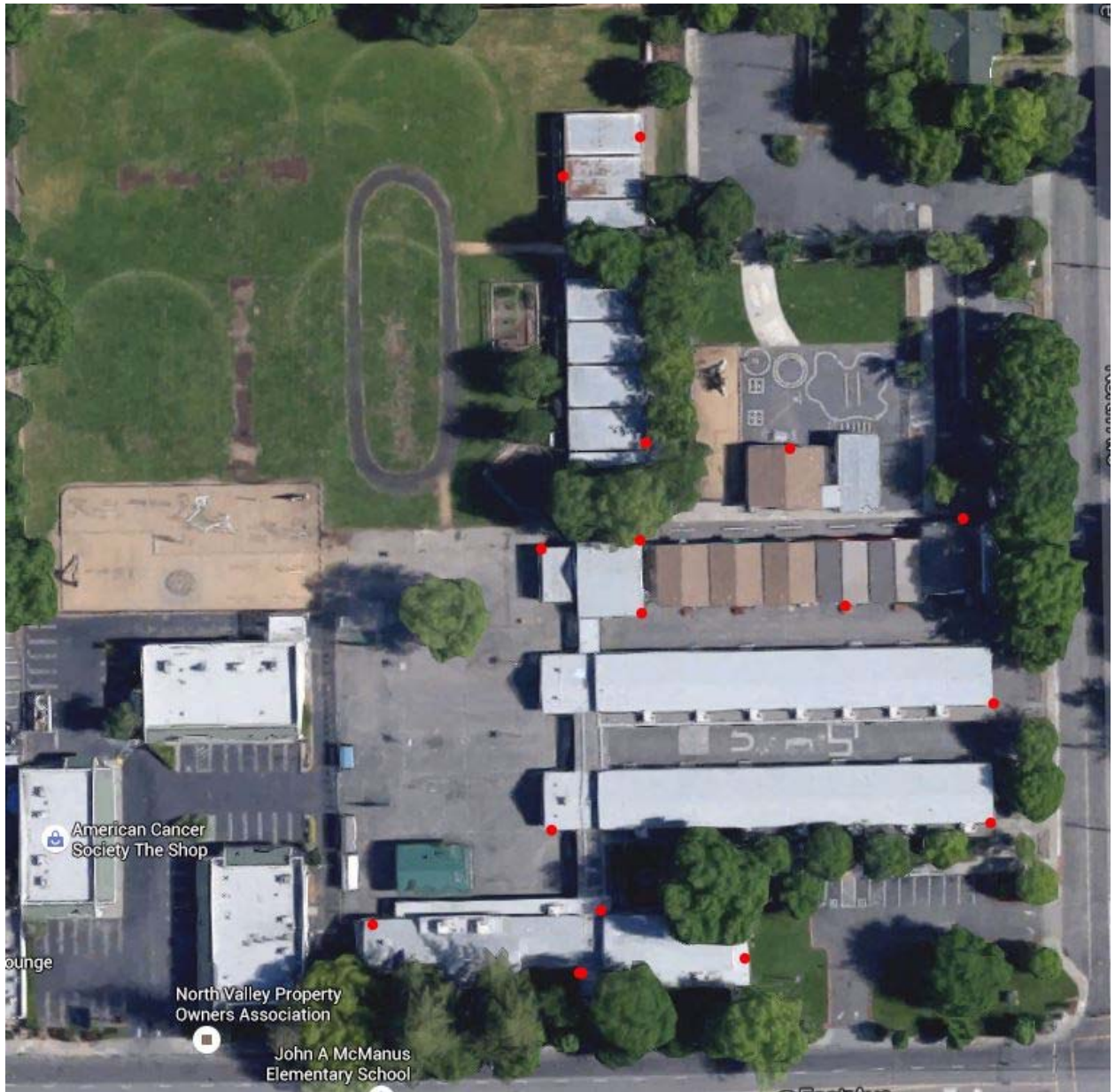
All existing cable to be re-certified by contractor and relabel as needed

10 Gig backbone fiber optic backbones will be required. OM3-300 meter at a minimum. OM4-550 meter at a maximum

New 2" conduit with cans between room 3 and room 3A under eve

New 2" conduit with cans between room 922 and office under eve

Add a 2" seal-tight sleeve between rooms 25 and 26



Chapman Elementary Scope

Room	MDF/IDF Location	Voice Feeds to MPOE	Fiber Strands	Exterior Wireless AP Locations	New Cat 6 Cabling
903	MDF Library			16	6
7	IDF 7		12		6
907	IDF 907		12		4
3	IDF 3		12		6
4	IDF 4		12		6
27	IDF 27		12		6
24	IDF 24		12		6
1					6
2					6
5					6
6					6
8					6
9					6
10					6
11					6
12					6
13					6
14					6
15					6
16					6
17					6
18					6
19	New IDF 19 or 920				6
20					6
21					6
22					6
23					6
25					6
26					6
28					6
admin					6
mpr					6
905					4
913	outdoor				
				16	194

Notes:

16 Outdoor Wireless in various locations (2 data each)

All existing cable to be re-certified by contractor and relabel as needed

Asbestos related work: abatement, drilling, etc. will be by the district

10 Gig backbone fiber optic backbones will be required. OM3-300 meter at a minimum. OM4-550 meter at a maximum

New 2" conduit with cans between room 4 and room 9

Add a 2" seal-tight sleeve between rooms 4 and 5, 9 and 10, 25 and 26 along with 25 and 27



Appendix C - Measure E Projects - CUSD DATA CABLING AND INFRASTRUCTURE SPECIFICATIONS 3.0				
Part Number	Manufact	Description	Standard or Equal	Installation
PANDUIT				
CJ688TG** (BLACK)	Panduit	Cat 6 Mini-Com Jack	District Standard- Meets 25-year warranty	Per Specifications
CFPL*** (WHITE)	Panduit	Mini-com Faceplates (Color TBD)	District Standard - Meets 25-year warranty	4 Port Standard - White
CBX4**AY (WHITE)	Panduit	Mini-com 4-Port Surface Mt. Boxes (Color TBD)	District Standard - Meets 25-year warranty	Used for Wireless/Camera Data Locations
CMB** (WHITE)	Panduit	Mini-com Blanks	District Standard - Meets 25-year warranty	Required for Faceplates as needed
DP48688TGY	Panduit	Cat 6 Mini-Com Patch Panels 2RU	District Standard - Meets 25-year warranty	See Racking Specifications
CP24BLY	Panduit	One to One 24 Patch Panel (1U)	District Standard - Meets 25-year warranty	24 Station (6E) or 24 P Phone (5E)
CPP48HDWBL	Panduit	High Density One to One 48 Patch Panel (1U)	District Standard - Meets 25-year warranty	Per Specifications
CPP48WBLY	Panduit	One to One 48 Patch Panel (2U)	District Standard - Meets 25-year warranty	Per Specifications
CPP72FMWBL	Panduit	High Density One to One 72 Patch Panel (2U)	District Standard - Meets 25-year warranty	48 Station Max +24 Phone (IDF or MDF)
CJ688TGW*	Panduit	Mini-Com TX6 UTP Jack Modules	District Standard - Meets 25-year warranty	Black - Station Cable Jack Modules
CJ5E88TGW*	Panduit	Mini-Com TX53 UTP Jack Modules	District Standard - Meets 25-year warranty	Blue - Phone Feed Jack Modules
SRB 19BLY	Panduit	Strain Relief Bar 2"	District Standard - Meets 25-year warranty	Required for Modular Patch - Cabinet Install
SRB 19D5BL	Panduit	Strain Relief Bar 5"	District Standard - Meets 25-year warranty	Required for Modular Patch - Rack Install
DP245E88TGY	Panduit	24 STA PATCH PNL PAN CAT 5e	District Standard	Voice feeds at IDF's - MDF
WMP 1E	Panduit	Wire Management 2RU	District Standard - Meets 25-year warranty	See Racking Specifications
UTP 28SP8IN**	Panduit	Category 6 Performance UTP 28AWG (8")	District Standard - Meets 25-year warranty	IDF/MDF HD Modular Patch Cable
UTP SP 1*	Panduit	Cat 6 Patch Cords 1' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTP SP 3**	Panduit	Cat 6 Patch Cords 3' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTP SP 5**	Panduit	Cat 6 Patch Cords 5' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTP SP 10**	Panduit	Cat 6 Patch Cords 10' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1Per Location
UTP SP 15**	Panduit	Cat 6 Patch Cords 15' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1Per Location (as needed)
UTP SP 25**	Panduit	Cat 6 Patch Cords 25' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1Per Location (as needed)
FRMEIU	Panduit	4RU Fiber LIU	District Standard - Meets 25-year warranty	IDF LIU
FRME4	Panduit	4RU Fiber LIU	District Standard - Meets 25-year warranty	MDF LIU
FAP 6VWAQSCZ (10 Gig OM 3)	Panduit	Fiber Adapter Panel SC	District Standard - Meets 25-year warranty	Per Specifications
FZE3-10M 1(1METER / OM 4)	Panduit	Multimode Fiber Jumper Cables SC-LC	District Standard - Meets 25-year warranty	Per Specifications
F9E10-10M 1Y	Panduit	Single Mode Fiber Jumper Cables SC-LC		
FZB3-NM 1(Simplex / OM 4)	Panduit	Fiber Pigtails SC	District Standard - Meets 25-year warranty	Per Specifications
LD 10**6-A	Panduit	LD-10 Surface-Mount Raceway (Color TBD)	District Standard	Must be mounted FLUSH to Surface w/screws
JB1***A	Panduit	LD-10 Surface-Mount Raceway Box (Color TBD)	District Standard	Must be mounted FLUSH to Surface w/screws
CFIO***X (coupler)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
RAF 101W***X (Right Angle)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
ICFIO***X (Inside Corner)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
OCF 10***X (Outside Corner)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
DCF 10***X (Drop Ceiling)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702B**B	Panduit	Twin-70 Surface-Mt Raceway (Color TBD)	District Standard	Per Specifications
T70C**B (Cover Order x2ft of)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T70CC / T702BC (Couplers)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702RA** (Right Angle)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702IC** (Inside Corner)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702OC** (Outside Corner)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702EE (Entrance End)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
GENERAL CABLE				
Blue P/N: 7133900	General	GenSpeed 6000E	District Standard- Meets 25-year warranty	Standard Indoor Station Cabling
B10121ANUBK	General	10 Gig Indoor/Outdoor 550m (OM 4 - PLENUM)	District Standard - Meets 25-year warranty	Fiber Backbone => 400 feet
A10121ANUBK	General	10 Gig => Indoor/Outdoor Single Mode (OS1-PLENUM)	District Standard - Meets 25-year warranty	Fiber Backbone => 401 feet
7136100	General	Cat 6 OSP GenSpeed 6000	District Standard - Meets 25-year warranty	Outdoor Station Cabling
7526569	General	12 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF
7526577	General	25 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF-MPOE
7526585	General	50 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF-MPOE
CHATSWORTH				
12804-701	Chatsworth	Fan Kit	District Standard	Not Required in Classrooms
12805-701	Chatsworth	Filter Kit	District Standard	Not Required in Classrooms
1900-724	Chatsworth	2" Cube-It Dual-Hinged Wall-Mount Cabinets	District Standard	IDF Wall Mount - Drop Count =
1900-736	Chatsworth	36X24X24 CHATSWORTH	District Standard	IDF Wall Mount - Drop Count =>
1900-748	Chatsworth	48X24X24 CHATSWORTH	District Standard	IDF Wall Mount - Drop Count =>
NF RJ-113C-C42	Chatsworth	N-SERIES TERAFRAME 83.4" Data Rack	District Standard	MDF Location - Check for required Space
30530-719	Chatsworth	N-Series Double-Sided, 2U, Black Cable Management	District Standard	MDF Location - Check for required Space
34538-000	Chatsworth	N-Series 19" W x 2U Panel, Black	District Standard	MDF Location - Check for required Space
HUBBELL				
RE4XB	HUBBELL	REM EQUIP -4HUB 42 H BK - Slim Line Wall Data C	District Standard	For Slim IDF Location -48 Port Max
CARLON				
A6D2S1UNNB 1000	Carlton	1 1/4" Innerduct OSP - HOPE	or Equal	Required for Fiber - Outdoor use
DG4X1C-500R	Carlton	1 1/4" Innerduct Riser	or Equal	Require for Fiber - Indoor use
CANTEX				
513373	Canter	Exterior Box for Wireless and Security Cams	District Standard	Outdoor Wireless/Security Cam box
B-LINE				
BCH 21	B-Line	J - hooks with retaining clips or Equal	District Standard	Mounted no more than 5' OC
BCH 32	B-Line	J - hooks with retaining clips or Equal	District Standard	Mounted no more than 5' OC
BCH 64	B-Line	J - hooks with retaining clips or Equal	District Standard	Mounted no more than 5' OC
Metal Conduits and Fasteners				
RMC		Rigid Metal Threaded Conduit	District Standard	Used for Roof Applications
IMC		Intermediate Metal Conduit	Alternate Standard upon District Approval	Used for Roof Applications
EMT		Electrical Metal Tubing	District Standard	Indoor and Vertical Wall Applications
PSF 16C	CADDY	Roof Blocks 4.8"	or Equal	To accommodate up to 4 - 2" Conduits
PSF 16D	CADDY	Roof Blocks 6.4"	or Equal	To accommodate up to 4 - 2" Conduits
Rain Tight Can	Bline	Roof Cans 24x24	or Equal	To accommodate up to 4 - 2" Conduits

Additional District Cabling and Infrastructure Specifications:

1. All Cat6 and 5e cabling will be terminated to new Panduit patch panels as required
2. One New 10' or Greater, Black, Cat 6 Patch Cable must be provided for each Computer Station.
3. New backboards for new or additional IDF locations with appropriate (full) mounting and painted.
4. Minimum 2" sleeves where sleeves are required.
5. Physical Fiber must support 10 + Gbit backbone.
6. Data Cabinets must not exceed 60% fill unless otherwise specified by the District
7. All Raceway, boxes, and Faceplates must be white unless otherwise specified. Raceway and boxes are to be Mounted flush to surface.
8. All fiber requires Fusion Splicing to Panduit factory made pigtail assemblies and trays - Per Contractor owned Splicer - Sub would require District approval
9. All indoor and outdoor Metal Conduits must be painted to match - (roof conduits do not require painting)
10. Island data locations require power/data poles unless otherwise specified
11. Lightning protectors are required for all outdoor phone copper feeds.
12. Data Cabinets - Require sleeves or Raceway to be fastened directly to Cabinet (no exposed cabling)

Vendor to sign as acknowledgment of receipt and return with bid.

Signature

Date

Company Name (please print)

Cabling Infrastructure Project II

- Fair View High, Rosedale and Parkview Elementary Schools

Fairview/CAL/AFC/Oakdale Scope

Room	MDF/IDF Location	Voice Feeds to MPOE	Fiber Strand Count	Exterior Wireless AP Locations	New Cat 6 Cabling	New Fiber
19	IDF		12	16	6	upgrade to 50u
12	IDF		12		6	upgrade to 50u
8	IDF		12		6	upgrage to 50u
10	IDF		12		6	upgrade to 50u
4	IDF		12		6	upgrade to 50u
2	IDF		12		6	upgrade to 50u
911	MPR		12		6	
16	Class room				6	
918	MDF		78		6	
909	admin				6	
900					6	
902					6	
1					6	
3					6	
5					6	
6					6	
7					6	
9					6	
11					6	
13					6	
14					6	
15					6	
917					6	
17					6	
18					6	
20					6	
21					4	
22					4	
23	IDF				4	exisiting 50u
24					4	
25					4	
Shop	IDF				6	existing

						50u
				16	182	

Notes:

16 Outdoor Wireless in various Locations (2 data each)

All existing cable to be re-certified by contractor and relabel as needed

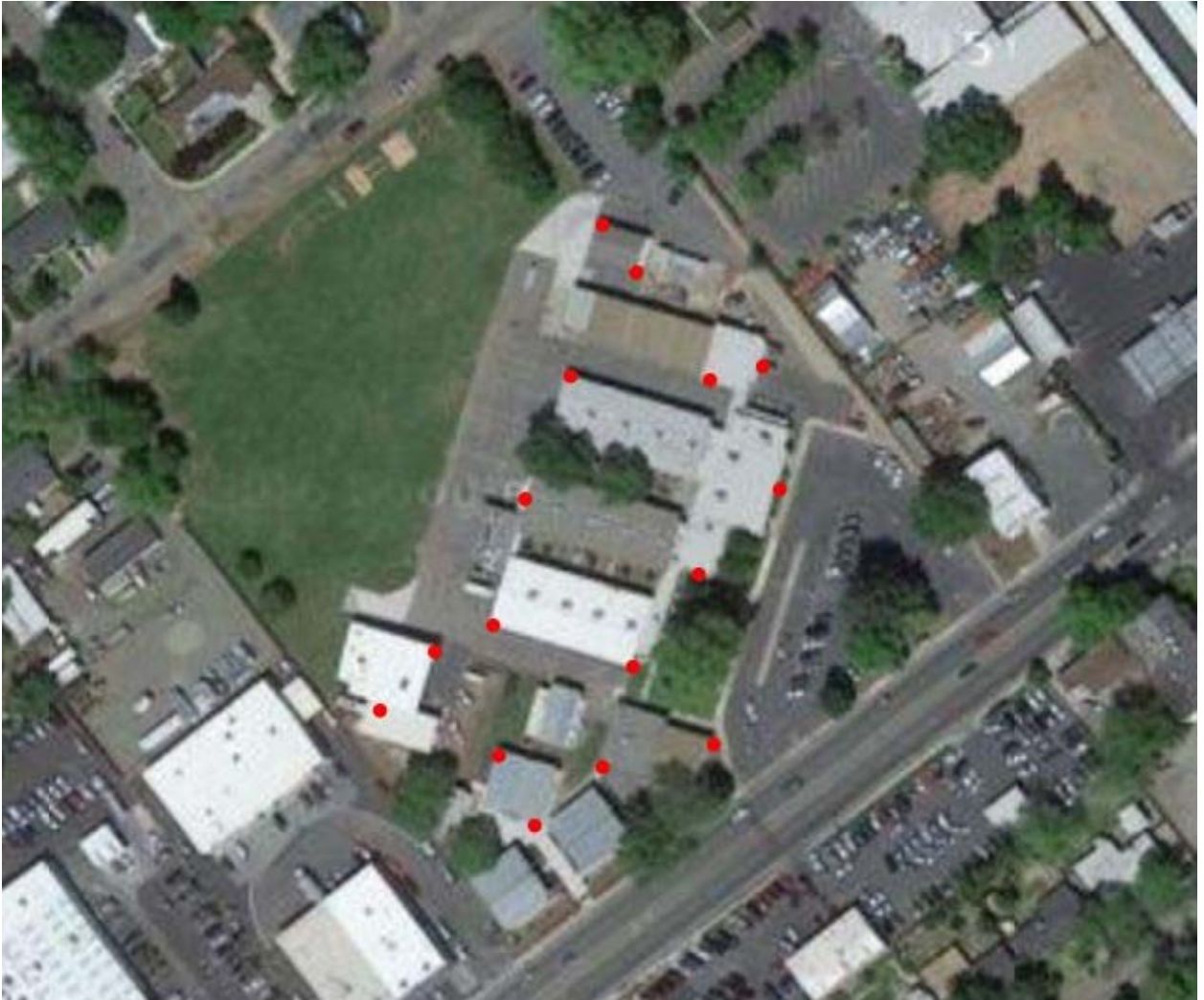
Asbestos related work: abatement, drilling, etc. will be by the district

10 Gig backbone fiber optic backbones will be required. OM3-300 meter at a minimum. OM4-550 meter at a maximum

New 2" conduit with cans between MDF and MPOE under eve

New 1 1/4" conduit with from can to new can at room 19

Add a 2" seal-tight sleeve between rooms 917 and 15, 15 and 16 as well as 16 and 17



Rosedale Elementary Scope

Room	MDF/IDF Location	Voice Feeds to MPOE	Fiber Strands	Exterior Wireless AP Locations	New Cat 6 Cabling	New Fiber
920	MDF		60	16	6	
9	IDF		12		6	upgrade 50u
8	IDF		12		6	upgrade 50u
926	IDF		12		6	upgrade 50u
931	IDF		12		6	upgrade 50u
2	IDF		12		6	upgrade 50u
1					6	
3					6	
4					6	
5					6	
5A					6	
6					6	
7					6	
10					6	
11					6	
12					6	
13					6	
14					6	
15					6	
16					6	
17					6	
18					6	
922					6	
19					6	
20					6	
21					6	
22					6	
23					6	
24					6	
25					6	
26					6	
27					6	

28					6	
admin					6	
mpr					6	
				16	210	

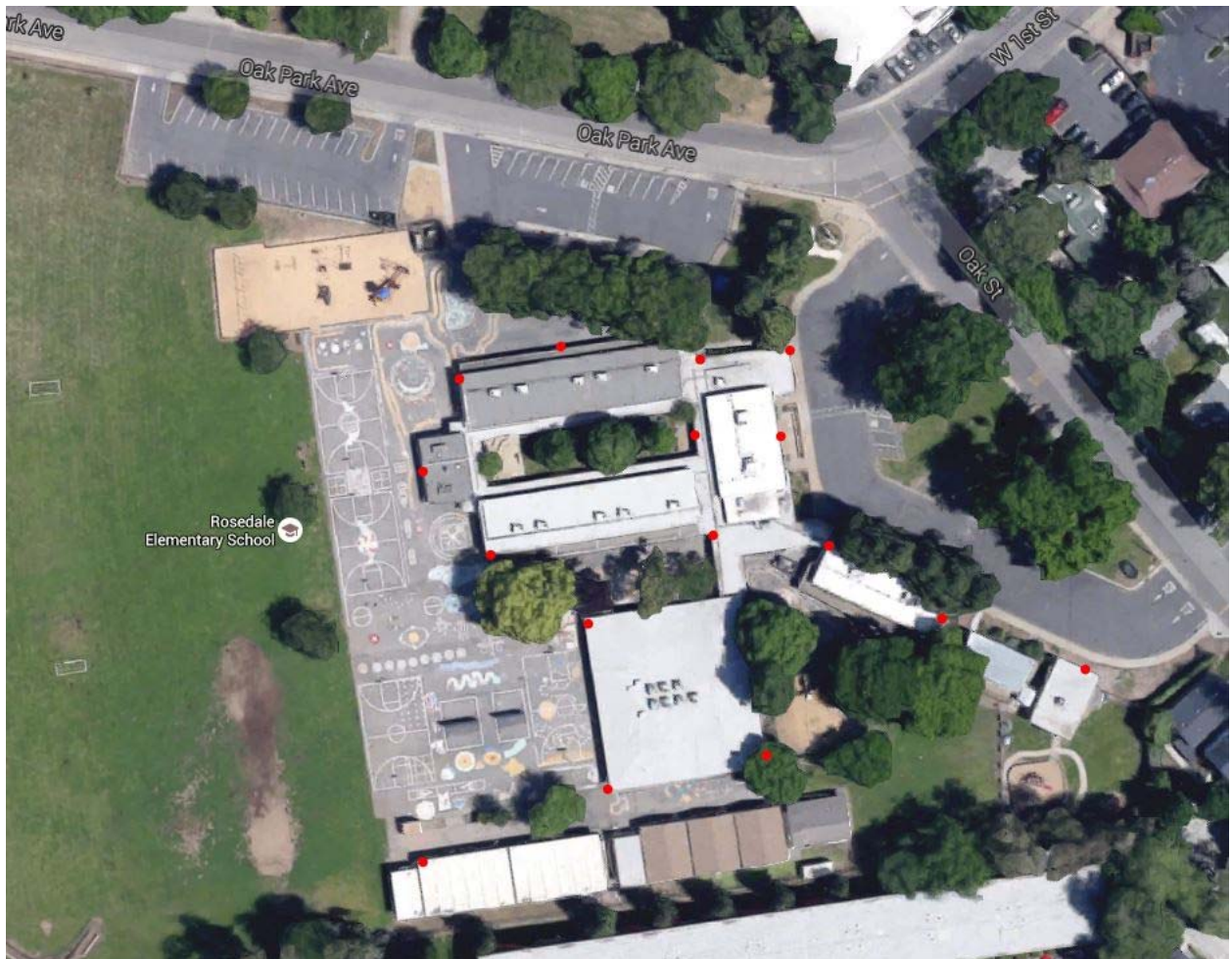
Notes:

16 Outdoor Wireless in various locations (2 data each)

All existing cable to be re-certified by contractor and relabel as needed

Asbestos related work: abatement, drilling, etc. will be by the district

10 Gig backbone fiber optic backbones will be required. OM3-300 meter at a minimum. OM4-550 meter at a maximum



Parkview

Room	MDF/IDF Location	Voice Feeds to MPOE	Fiber Strands	Exterior Wireless AP Locations	New Cat 6 Cabling	New Fiber
919	MDF		72	16	6	
8	IDF		12		6	new 50u
908	IDF		12		6	upgrade 50u
19	IDF		12		6	upgrade 50u
22	IDF		12		6	upgrade 50u
12	IDF		12		6	upgrade 50u
26	IDF		12		6	upgrade 50u
1	IDF		12		6	upgrade 50u
2					6	
3					6	
4					6	
5					6	
6					6	
7					6	
9					6	
10					6	
11a					6	
11b					6	
13					6	
14					6	
15					6	
16					6	
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18					6	
20					6	
21					6	
mpr					6	
admin					6	
				16	168	

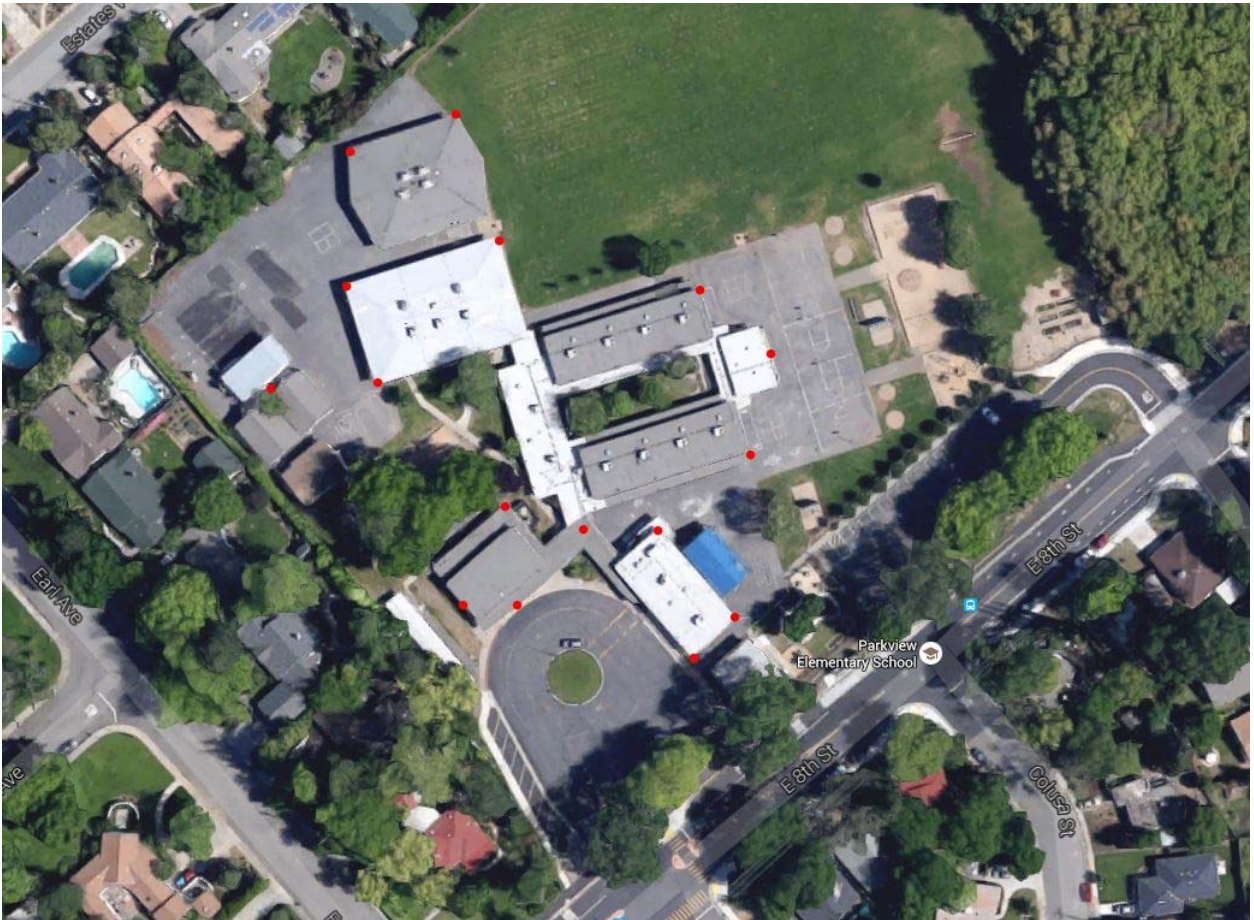
Notes:

16 Outdoor Wireless drops in various locations (2 data each)

All existing cable to be re-certified by contractor and relabel as needed

Asbestos related work: abatement, drilling, etc. will be by the district

10 Gig backbone fiber optic backbones will be required. OM3-300 meter at a minimum. OM4-550 meter at a maximum



Appendix C - Measure E Projects - CUSD DATA CABLING AND INFRASTRUCTURE SPECIFICATIONS 3.0				
Part Number	Manufact	Description	Standard or Equal	Installation
PANDUIT				
CJ688TG** (BLACK)	Panduit	Cat 6 Mini-Com Jack	District Standard- Meets 25-year warranty	Per Specifications
CFPL*** (WHITE)	Panduit	Mini-com Faceplates (Color TBD)	District Standard - Meets 25-year warranty	4 Port Standard - White
CBX4**AY (WHITE)	Panduit	Mini-com 4-Port Surface Mt. Boxes (Color TBD)	District Standard - Meets 25-year warranty	Used for Wireless/Camera Data Locations
CMB** (WHITE)	Panduit	Mini-com Blanks	District Standard - Meets 25-year warranty	Required for Faceplates as needed
DP48688TGY	Panduit	Cat 6 Mini-Com Patch Panels 2RU	District Standard - Meets 25-year warranty	See Racking Specifications
CP24BLY	Panduit	One to One 24 Patch Panel (1U)	District Standard - Meets 25-year warranty	24 Station (6E) or 24 P Phone (5E)
CPP48HDWBL	Panduit	High Density One to One 48 Patch Panel (1U)	District Standard - Meets 25-year warranty	Per Specifications
CPP48WBLY	Panduit	One to One 48 Patch Panel (2U)	District Standard - Meets 25-year warranty	Per Specifications
CPP72FMWBL	Panduit	High Density One to One 72 Patch Panel (2U)	District Standard - Meets 25-year warranty	48 Station Max +24 Phone (IDF or MDF)
CJ688TGW*	Panduit	Mini-Com TX6 UTP Jack Modules	District Standard - Meets 25-year warranty	Black - Station Cable Jack Modules
CJ5E88TGW*	Panduit	Mini-Com TX53 UTP Jack Modules	District Standard - Meets 25-year warranty	Blue - Phone Feed Jack Modules
SRB 19BLY	Panduit	Strain Relief Bar 2"	District Standard - Meets 25-year warranty	Required for Modular Patch - Cabinet Install
SRB 19D5BL	Panduit	Strain Relief Bar 5"	District Standard - Meets 25-year warranty	Required for Modular Patch - Rack Install
DP245E88TGY	Panduit	24 STA PATCH PNL PAN CAT 5e	District Standard	Voice feeds at IDF's - MDF
WMP 1E	Panduit	Wire Management 2RU	District Standard - Meets 25-year warranty	See Racking Specifications
UTP 28SP8IN**	Panduit	Category 6 Performance UTP 28AWG (8")	District Standard - Meets 25-year warranty	IDF/MDF HD Modular Patch Cable
UTP SP 1*	Panduit	Cat 6 Patch Cords 1' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTP SP 3**	Panduit	Cat 6 Patch Cords 3' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTP SP 5**	Panduit	Cat 6 Patch Cords 5' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTP SP 10**	Panduit	Cat 6 Patch Cords 10' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1Per Location
UTP SP 15**	Panduit	Cat 6 Patch Cords 15' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1Per Location (as needed)
UTP SP 25**	Panduit	Cat 6 Patch Cords 25' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1Per Location (as needed)
FRMEIU	Panduit	4RU Fiber LIU	District Standard - Meets 25-year warranty	IDF LIU
FRME4	Panduit	4RU Fiber LIU	District Standard - Meets 25-year warranty	MDF LIU
FAP 6WAQSCZ (10 Gig OM 3)	Panduit	Fiber Adapter Panel SC	District Standard - Meets 25-year warranty	Per Specifications
FZE3-10M 1(1 METER / OM 4)	Panduit	Multimode Fiber Jumper Cables SC-LC	District Standard - Meets 25-year warranty	Per Specifications
F9E 10-10M 1Y	Panduit	Single Mode Fiber Jumper Cables SC-LC		
FZB3-NM 1(Simplex / OM 4)	Panduit	Fiber Pigtails SC	District Standard - Meets 25-year warranty	Per Specifications
LD 10**6-A	Panduit	LD-10 Surface-Mount Raceway (Color TBD)	District Standard	Must be mounted FLUSH to Surface w/screws
JB1***A	Panduit	LD-10 Surface-Mount Raceway Box (Color TBD)	District Standard	Must be mounted FLUSH to Surface w/screws
CFIO***X (coupler)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
RAF 101W***X (Right Angle)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
ICFIOW-X (Inside Corner)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
OCF 10***X (Outside Corner)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
DCF 10***X (Drop Ceiling)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702B**B	Panduit	Twin-70 Surface-Mt Raceway (Color TBD)	District Standard	Per Specifications
T70C**B (Cover Order x2ft of)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T70CC / T702BC (Couplers)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702RA** (Right Angle)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702IC** (Inside Corner)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702OC** (Outside Corner)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702EE (Entrance End)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
GENERAL CABLE				
Blue P/N: 7133900	General	GenSpeed 6000E	District Standard- Meets 25-year warranty	Standard Indoor Station Cabling
BLO12ANUBK	General	10 Gig Indoor/Outdoor 550m (OM 4 - PLENUM)	District Standard - Meets 25-year warranty	Fiber Backbone => 400 feet
A1012ANUBK	General	10 Gig => Indoor/Outdoor Single Mode (OS1-PLENUM)	District Standard - Meets 25-year warranty	Fiber Backbone => 401 feet
736100	General	Cat 6 OSP Genspeed 6000	District Standard - Meets 25-year warranty	Outdoor Station Cabling
7526569	General	12 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF
7526577	General	25 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF-MPOE
7526585	General	50 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF-MPOE
CHATSWORTH				
12804-701	Chatsworth	Fan Kit	District Standard	Not Required in Classrooms
12805-701	Chatsworth	Filter Kit	District Standard	Not Required in Classrooms
1900-724	Chatsworth	2' Cube-It Dual-Hinged Wall-Mount Cabinets	District Standard	IDF Wall Mount - Drop Count =
1900-736	Chatsworth	36X24X24 CHATSWORTH	District Standard	IDF Wall Mount - Drop Count =>
1900-748	Chatsworth	48X24X24 CHATSWORTH	District Standard	IDF Wall Mount - Drop Count =>
NF RJ-113C-C42	Chatsworth	N-SERIES TERAFRAME 83.4" Data Rack	District Standard	MDF Location - Check for required Space
30530-719	Chatsworth	N-Series Double-Sided, 2U, Black Cable Management	District Standard	MDF Location - Check for required Space
34538-000	Chatsworth	N-Series 19" W x 2U Panel, Black	District Standard	MDF Location - Check for required Space
HUBBELL				
RE4XB	HUBBELL	REM EQUIP -4HUB 42 H BK - Slim Line Wall Data C	District Standard	For Slim IDF Location -48 Port Max
CARLON				
A6D2S1UNNB 1000	Carlton	1 1/4" Innerduct OSP - HOPE	or Equal	Required for Fiber - Outdoor use
DG4X1C-500R	Carlton	1 1/4" Innerduct Riser	or Equal	Require for Fiber - Indoor use
CANTEX				
51337B	Canter	Exterior Box for Wireless and Security Cams	District Standard	Outdoor Wireless/Security Cam box
B-LINE				
BCH 21	B-Line	J - hooks with retaining clips or Equal	District Standard	Mounted no more than 5' OC
BCH 32	B-Line	J - hooks with retaining clips or Equal	District Standard	Mounted no more than 5' OC
BCH 64	B-Line	J - hooks with retaining clips or Equal	District Standard	Mounted no more than 5' OC
Metal Conduits and Fasteners				
RMC		Rigid Metal Threaded Conduit	District Standard	Used for Roof Applications
IMC		Intermediate Metal Conduit	Alternate Standard upon District Approval	Used for Roof Applications
EMT		Electrical Metal Tubing	District Standard	Indoor and Vertical Wall Applications
PSF 16C	CADDY	Roof Blocks 4.8"	or Equal	To accommodate up to 4 - 2" Conduits
PSF 16D	CADDY	Roof Blocks 6.4"	or Equal	To accommodate up to 4 - 2" Conduits
Rain Tight Can	Bline	Roof Cans 24x24	or Equal	To accommodate up to 4 - 2" Conduits

Additional District Cabling and Infrastructure Specifications:

1. All Cat6 and 5e cabling will be terminated to new Panduit patch panels as required
2. One New 10' or Greater, Black, Cat 6 Patch Cable must be provided for each Computer Station.
3. New backboards for new or additional IDF locations with appropriate (full) mounting and painted.
4. Minimum 2" sleeves where sleeves are required.
5. Physical Fiber must support 10 + Gbit backbone.
6. Data Cabinets must not exceed 60% fill unless otherwise specified by the District
7. All Raceway, boxes, and Faceplates must be white unless otherwise specified. Raceway and boxes are to be Mounted flush to surface.
8. All fiber requires Fusion Splicing to Panduit factory made pigtail assemblies and trays - Per Contractor owned Splicer - Sub would require District approval
9. All indoor and outdoor Metal Conduits must be painted to match - (roof conduits do not require painting)
10. Island data locations require power/data poles unless otherwise specified
11. Lightning protectors are required for all outdoor phone copper feeds.
12. Data Cabinets - Require sleeves or Raceway to be fastened directly to Cabinet (no exposed cabling)

Vendor to sign as acknowledgment of receipt and return with bid.

Signature

Date

Company Name (please print)

Cabling Infrastructure Project III

- Pleasant Valley and Chico High Schools

Chico High School Scope

Room	MDF/IDF Location	Voice Feeds to MPOE	Fiber Strands	Exterior Wireless AP	New Cat 6 Cabling	New Fiber	Data Cabinet
A-202	MDF			32			
A-113	IDF					-	
B-3	IDF					-	
C-3	IDF					-	
F-1	IDF					-	
S-5	IDF					-	
Library-929	IDF					-	
H-1	IDF					-	
D-1	IDF					-	
Itech - 3	IDF					-	
GYM - 975	IDF					-	
GYM - BPE	IDF					-	
J - 900	IDF					-	
K - 900	IDF					-	
AG - 986	IDF					-	
Lincoln Hall	IDF					-	
Fitness Lab	IDF					-	
A-201							
A-203							
A-204					1		
A-205							
A-206					1		
A-207							
A-208					1		
A-209							
A-210					1		
A-212					1		
A-101							
A-102							
A-103							
A-104							

A-105							
A-106							
A-107							
A-108							
A-109					1		
A-110							
A-111					1		
A-914							
A-114					1		
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A-122							
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B-6							
B-7					1		
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C-1					1		
C-2							
C-4							
C-5					1		
C-6							
C-7					1		
C-8							

C-9							
C-10					1		
C-11							
S-1					1		
S-2							
S-3					1		
S-4							
S-6							
S-7					1		
F-2							
F-3					1		
F-4							
F-5					1		
L-926							
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L-929							
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H-2							
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itech - 2					1		
Itech - 4							
Itech - 5					1		
Itech - 980							
itech - 981							
itech - 985							
GYM - 952							
GYM - 972							
GYM - 973							
GYM - 967							
GYM - 955							
GYM - 956							
dance room							
weight room							

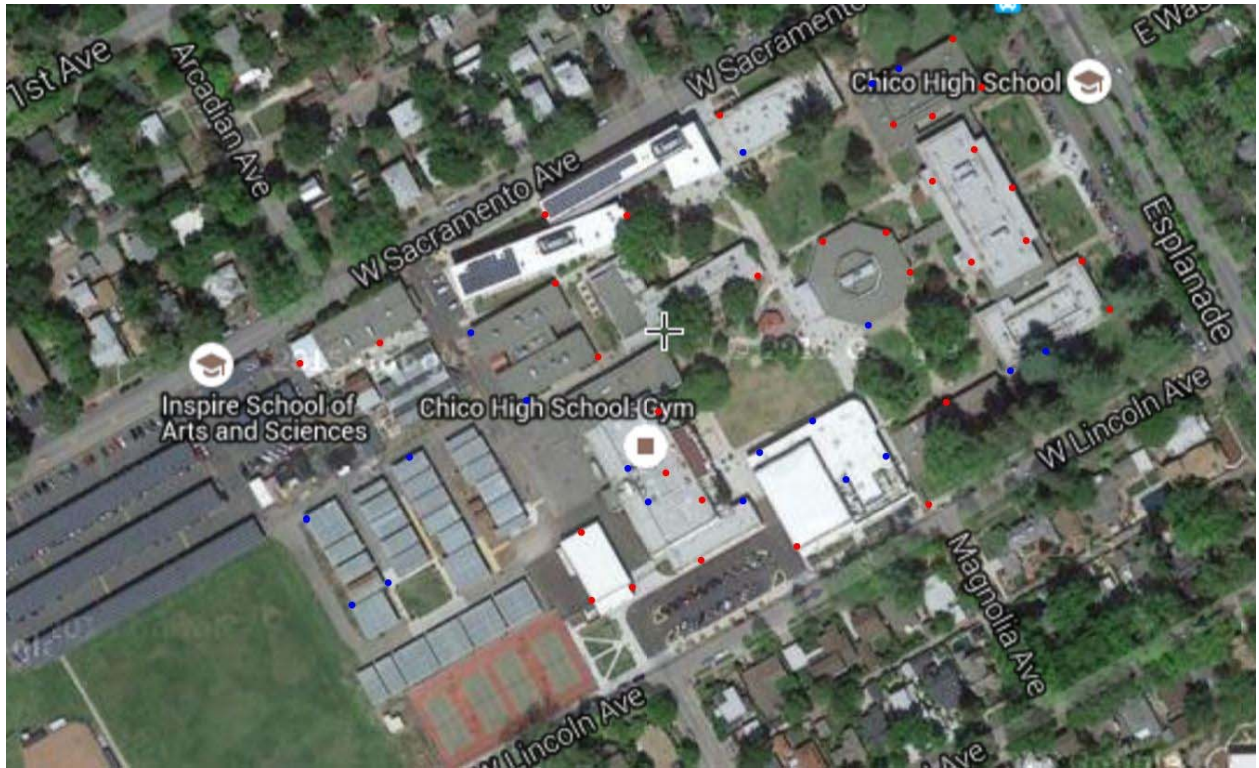
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AG - 2							
AG - 3							
AG - 989							
J-100							
J-101							
J-102							
J-103							
J-124					1		
J-200							
J-201							
J-202							
J-203							
J-224					1		
J-205							
K-100							
K-111					1		
K-102							
K-103							
K-104							
K- Commons							
K-200							
K-211					1		
K-202							
K-203							
K-204							
K-205							
K- Custodial							
				32	32		

Notes:

32 Indoor Wireless Drops in various Locations (2 data each)

32 Outdoor Wireless Drops in various Locations

Asbestos related work: abatement, drilling, etc. will be by the district



Pleasant Valley High School Scope

Room	MDF/IDF Location	Voice Feeds to MPOE	Fiber Strands	Exterior Wireless AP	New Cat 6 Cabling	New Fiber	Data Cabinet
Lib - 974	MDF			32			
L-1	IDF				1		
A - 901	IDF					-	
B - 920A	IDF					-	
C-908	IDF					-	
D-2	IDF				1	-	
M-966	IDF					-	
E-2	IDF				1	-	
P-1	IDF				1	-	
O - 1A	IDF					-	
S-961	IDF					-	
GYM - 941	IDF					-	
V - 931	IDF					-	
CFA - 990	IDF						
Y - 1.1	IDF						
Y - 1.2	IDF						
Y - 2.1	IDF						
Y - 2.2	IDF						
Admin					1		
A-1							
B-1					1		
B-2							
B-3					1		
B-4							
B-5							
B-6					1		
B-7							
B-8					1		
B-9					1		
B-10							
C-1					1		
C-2							

C-3							
C-4					1		
C-4 office							
C-5					1		
C-5 office							
C-6							
C-7					1		
D-1							
D-3					1		
D-4					1		
D-4 office							
D-5							
D-5 office							
E-1							
E-1 office							
E-2 office							
E-3							
M-1					1		
M-2							
M-3					1		
M-4							
M-4A							
M-4B							
M-4C							
M-5					1		
M-965							
M-6							
M-7					1		
M-8							
M-9					1		
M-10							
M-11					1		
M-12							
O-1B							
O-2					1		
O-3							
O-4					1		
O-5							
O-6					1		
P-2							

P-3					1		
P-4							
P-980							
S-1					1		
S-2							
S-3					1		
S-4							
S-5					1		
S-6							
S-7					1		
S-8							
S-963							
S-963b							
S - Roof					1		
mat room							
weight room							
958							
GPE							
BPE							
West gym							
East gym							
V-929							
V-1							
CFA							
Y-101							
Y-102							
Y-103							
Y-104							
Y-105							
Y-106							
Y-107							
Y-108							
Y-109							
Y-110							
Y-111							
Y-112							
Y- office 1							
Y-office 2							
Y-office 3							
Y-201							
Y-202							

Y-203							
Y-204							
Y-205							
Y-206							
Y-207							
Y-208							
Y-209							
Y-210							
Y-211							
Y-212							
Y - office 4							
Y - office 5							
Y - office 6							
Y - Roof					1		
Library							
L-969							
L-971							
L-972							
L-973							
L-977							
				32	32		

Notes:

32 Indoor Wireless Drops in various Locations (2 data each)

32 Outdoor Wireless Drops in various Locations (2 data each)

Asbestos related work: abatement, drilling, etc. will be by the district



Part Number	Manufacturer	Description	Standard or Equal	Installation
PANDUIT				
CJ688TG** (BLACK)	Panduit	Cat 6 Mini-Com Jack	District Standard - Meets 25-year warranty	Per Specifications
CFPL*** (WHITE)	Panduit	Mini-com Faceplates (Color TBD)	District Standard - Meets 25-year warranty	4 Port Standard - White
CBX4***-AY (WHITE)	Panduit	Mini-com 4-Port Surface Mt. Boxes (Color TBD)	District Standard - Meets 25-year warranty	Used for Wireless/Camera Data Locations
CMB** (WHITE)	Panduit	Mini-com Blanks	District Standard - Meets 25-year warranty	Required for Faceplates as needed
DP48688TGY	Panduit	Cat 6 Mini-Com Patch Panels 2RU	District Standard - Meets 25-year warranty	See Racking Specifications
CP24BLU	Panduit	One to One 24 Patch Panel (1U)	District Standard - Meets 25-year warranty	24 Station (6E) or 24 Phone (5E)
CPP48HDWBLY	Panduit	High Density One to One 48 Patch Panel (1U)	District Standard - Meets 25-year warranty	Per Specifications
CPP48WBLY	Panduit	One to One 48 Patch Panel (2U)	District Standard - Meets 25-year warranty	Per Specifications
CPP72FMBWLY	Panduit	High Density One to One 72 Patch Panel (2U)	District Standard - Meets 25-year warranty	48 Station Max + 24 Phone (IDF or MDF)
CJ688TGMW	Panduit	Mini-Com TX6 UTP Jack Modules	District Standard - Meets 25-year warranty	Black - Station Cable Jack Modules
CJ5E88TGMW	Panduit	Mini-Com TX53 UTP Jack Modules	District Standard - Meets 25-year warranty	Blue - Phone Feed Jack Modules
SRB 19BLU	Panduit	Strain Relief Bar 2"	District Standard - Meets 25-year warranty	Required for Modular Patch - Cabinet Install
SRB 19D5BL	Panduit	Strain Relief Bar 5"	District Standard - Meets 25-year warranty	Required for Modular Patch - Rack Install
DP245E88TGY	Panduit	24 STA PATCH PNL PAN CAT 5e	District Standard	Voice feeds at IDF's - MDF
WMP1E	Panduit	Wire Management 2RU	District Standard - Meets 25-year warranty	See Racking Specifications
UTP2ESP8N**	Panduit	Category 6 Performance UTP 28AWG (8")	District Standard - Meets 25-year warranty	IDF/MDF HD Modular Patch Cable
UTSP3**	Panduit	Cat 6 Patch Cords 1' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTSP3**	Panduit	Cat 6 Patch Cords 3' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTSP3**	Panduit	Cat 6 Patch Cords 5' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTSP3**	Panduit	Cat 6 Patch Cords 10' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1P per Location
UTSP3**	Panduit	Cat 6 Patch Cords 25' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1P per Location (as needed)
UTSP25**	Panduit	Cat 6 Patch Cords 25' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1P per Location (as needed)
FRMELIU	Panduit	1RU Fiber LIU	District Standard - Meets 25-year warranty	IDF LIU
FRME4	Panduit	4RU Fiber LIU	District Standard - Meets 25-year warranty	MDF LIU
FAP6WAQSCZ (10 Gig OM3)	Panduit	Fiber Adapter Panel SC	District Standard - Meets 25-year warranty	Per Specifications
FZEB3-10M 101METER / OM4	Panduit	Multimode Fiber Jumper Cables SC-LC	District Standard - Meets 25-year warranty	Per Specifications
F9E10-10M 1Y	Panduit	Single Mode Fiber Jumper Cables SC-LC	District Standard - Meets 25-year warranty	Per Specifications
FZEB3-NM1(Simplex / OM4)	Panduit	Fiber Pigtails SC	District Standard - Meets 25-year warranty	Per Specifications
LD10**6-A	Panduit	LD-10 Surface-Mount Raceway (Color TBD)	District Standard	Must be mounted FLUSH to Surface w/screws
JB11**A	Panduit	LD-10 Surface-Mount Raceway Box (Color TBD)	District Standard	Must be mounted FLUSH to Surface w/screws
CFIO**X (coupler)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
RAF 101**X (Right Angle)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
ICF10W-X (Inside Corner)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
OCF 10**X (Outside Corner)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
DCF 10**X (Drop Ceiling)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702B**8	Panduit	Twin-70 Surface-Mt Raceway (Color TBD)	District Standard	Per Specifications
T70C**8 (Cover Over 2ft of)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T70CC / T702BC (Co uplers)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702RA** (Right Angle)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702CR** (Inside Corner)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702OC** (Outside Corner)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702EE (Entrance End)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
GENERAL CABLE				
BLU P/N: 7133900	General	GenSpeed 6000E	District Standard - Meets 25-year warranty	Standard Indoor/Outdoor Cabling
BL0121ANUBK	General	10 Gig Indoor/Outdoor 550m (OM4 - PLENUM)	District Standard - Meets 25-year warranty	Fiber Backbone =< 1400 feet
AT0121ANUBK	General	10 Gig == Indoor/Outdoor Single Mode (OS1-PLENUM)	District Standard - Meets 25-year warranty	Fiber Backbone ==> 1401feet
736100	General	Cat 6 OSP Genspeed 6000	District Standard - Meets 25-year warranty	Outdoor/ Station Cabling
7526569	General	12 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF
7526577	General	25 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF-MPOE
7526585	General	50 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF-MPOE
CHATSWORTH				
12804-701	Chatsworth	Fan Kit	District Standard	Not Required in Classrooms
12805-701	Chatsworth	Filter Kit	District Standard	Not Required in Classrooms
1900-724	Chatsworth	2' Cube-It Dual-Hinged Wall-Mount Cabinets	District Standard	IDF Wall Mount - Drop Count =
1900-736	Chatsworth	36X24X24 CHATSWORTH	District Standard	IDF Wall Mount - Drop Count =>
1900-748	Chatsworth	48X24X24 CHATSWORTH	District Standard	IDF Wall Mount - Drop Count =>
NF1L193C-C42	Chatsworth	N-SERIES TERAFRAME 83.4" Data Rack	District Standard	MDF Location - Check for required Space
30530-719	Chatsworth	N-Series Double-Sided, 2U, Black Cable Management	District Standard	MDF Location - Check for required Space
3453B-000	Chatsworth	N-Series 19" W x 2U Panel, Black	District Standard	MDF Location - Check for required Space
HUBBELL				
RE4XB	HUBBELL	REM EQUIP -4HUB 42 H BK - Slim Line Wall Data C	District Standard	For Slim IDF Location -48 Port Max
CARLON				
A6D2S UNNB 1000	Carlton	11/4" Innerduct OSP - HOPE	or Equal	Required for Fiber - Outdoor use
DG4XC-500R	Carlton	11/4" Innerduct Riser	or Equal	Require for Fiber - Indoor use
CANTEX				
513373	Cantex	Exterior Box for Wireless and Security Cams	District Standard	Outdoor Wireless/Security Cam box

Vendor to sign as acknowledgment of receipt and return with bid.

Date

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Cabling Infrastructure Project IV

- Marigold Elementary

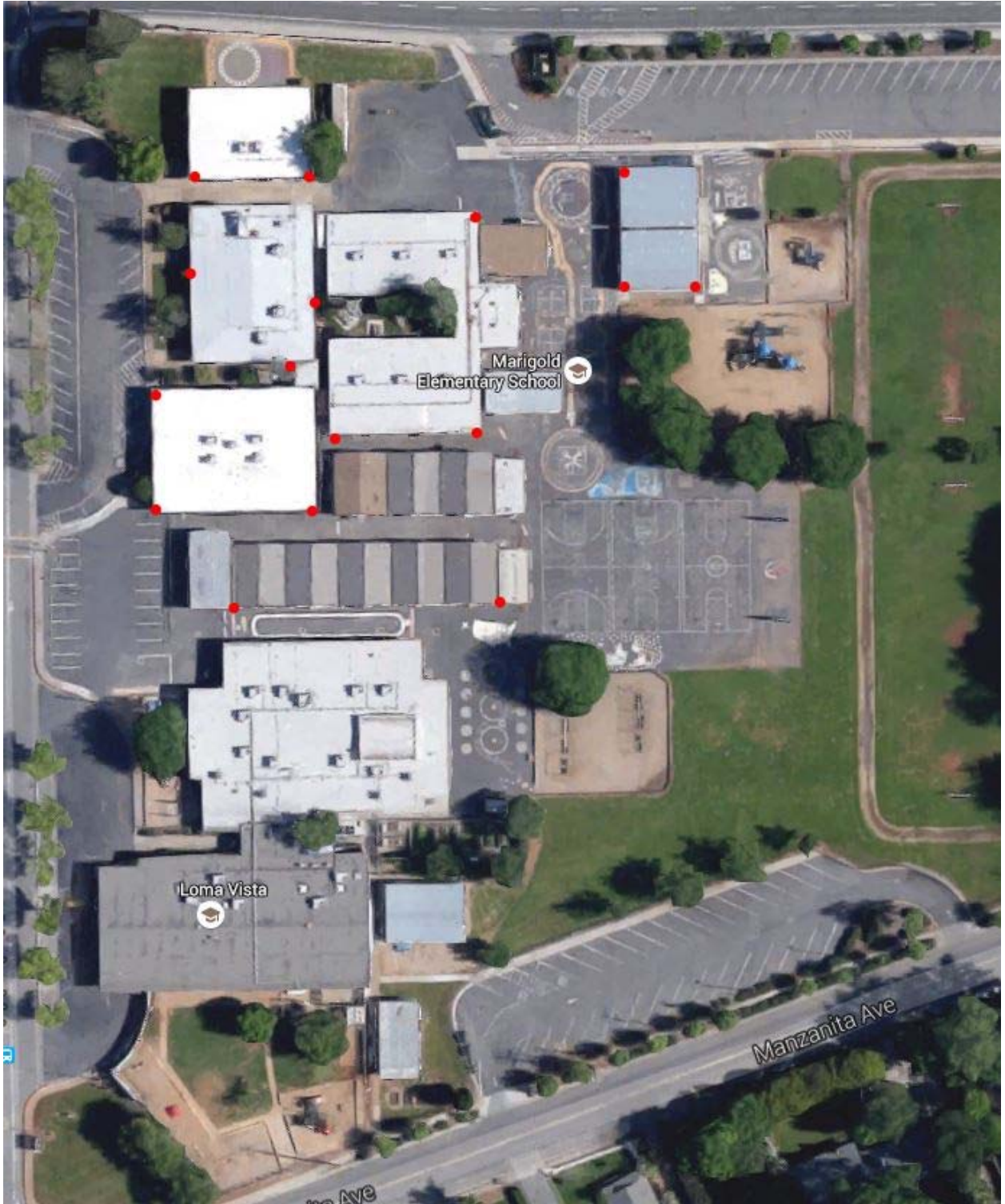
Marigold Scope

Room	MDF/IDF Location	Voice Feeds to MPOE	Fiber Strands	Exterior Wireless AP Locations	New Cat 6 Cabling
12	MDF	50 Pair	72	16	40
2	IDF	12 Pair	12		14
4	IDF	12 Pair	12		14
8	IDF	12 Pair	12		14
16	IDF	12 Pair	12		8
20	IDF	12 Pair	12		14
24	IDF	12 Pair	12		8
1					14
3					14
5					14
6A					14
6B					14
7					14
9					14
10					14
11					14
12					14
13					14
14					14
920					8
15					8
17					8
18A					8
18B					8
19					8
21					8
22					8
23					8
admin					32
MPR					16

Notes:

16 Outdoor Wireless drops in various locations (2 data each)

10 Gig backbone fiber optic backbones will be required. OM3-300 meter at a minimum. OM4-550 meter at a maximum



EXISTING SITE PLAN



MASTER SITE PLAN



LEGEND

	Existing Building
	Existing Concrete
	Existing Parking
	Existing Playground Area
	Existing Turf/Planted Field
	Existing Shade Structure
	Restrooms
	New Building
	Building Modernization
	Building Renovation
	Building Addition
	New Concrete
	New Paving
	New Playground Area
	New Turf/Planted Field
	Solar and/or Shade Structure
	Future Phase - Beyond RMP

BUILDING DESIGNATIONS

Existing	Phase III
A Kindergarten Classrooms	A1 Kindergarten Modernization
B Multi-Purpose Classrooms	B1 Media Center / Computer Lab Renovation
C Classrooms	H1 Classroom Modernization
D Portable Classrooms	M New Kindergarten
E Restrooms	N New Kindergarten
F Classrooms	P New Administration
G Portable Classrooms	Q New Classrooms (two-story)
H Classrooms & Library	R New Multi-Purpose
I Portable Classrooms	A2 Classroom Modernization
J Portable Classrooms	B2 Classroom Modernization
K Portable Classrooms	C2 Classroom Addition
L Portable Kindergarten Classrooms	
AA Classrooms	
BB Classrooms	



Part Number	Manufact	Description	Standard or Equal	Installation
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Additional District Cabling and Infrastructure Specifications:

1. All Cat6 and 5e cabling will be terminated to new Panduit patch panels as required
2. One New 10' or Greater, Black, Cat 6 Patch Cable must be provided for each Computer Station.
3. New backboards for new or additional IDF locations with appropriate (full) mounting and painted.
4. Minimum 2" sleeves where sleeves are required.
5. Physical Fiber must support 10 + Gbit backbone.
6. Data Cabinets must not exceed 60% fill unless otherwise specified by the District
7. All Raceway, boxes, and Faceplates must be white unless otherwise specified. Raceway and boxes are to be Mounted flush to surface.
8. All fiber requires Fusion Splicing to Panduit factory made pigtail assemblies and trays - Per Contractor owned Splicer - Sub would require District approval
9. All indoor and outdoor Metal conduits must be painted to match - (roof conduits do not require painting)
10. Island data locations require power/data poles unless otherwise specified
11. Lightning protectors are required for all outdoor phone copper feeds.
12. Data Cabinets - Require sleeves or Raceway to be fastened directly to Cabinet (no exposed cabling)

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Cabling Infrastructure Project V

- Inspire School of Arts and Science

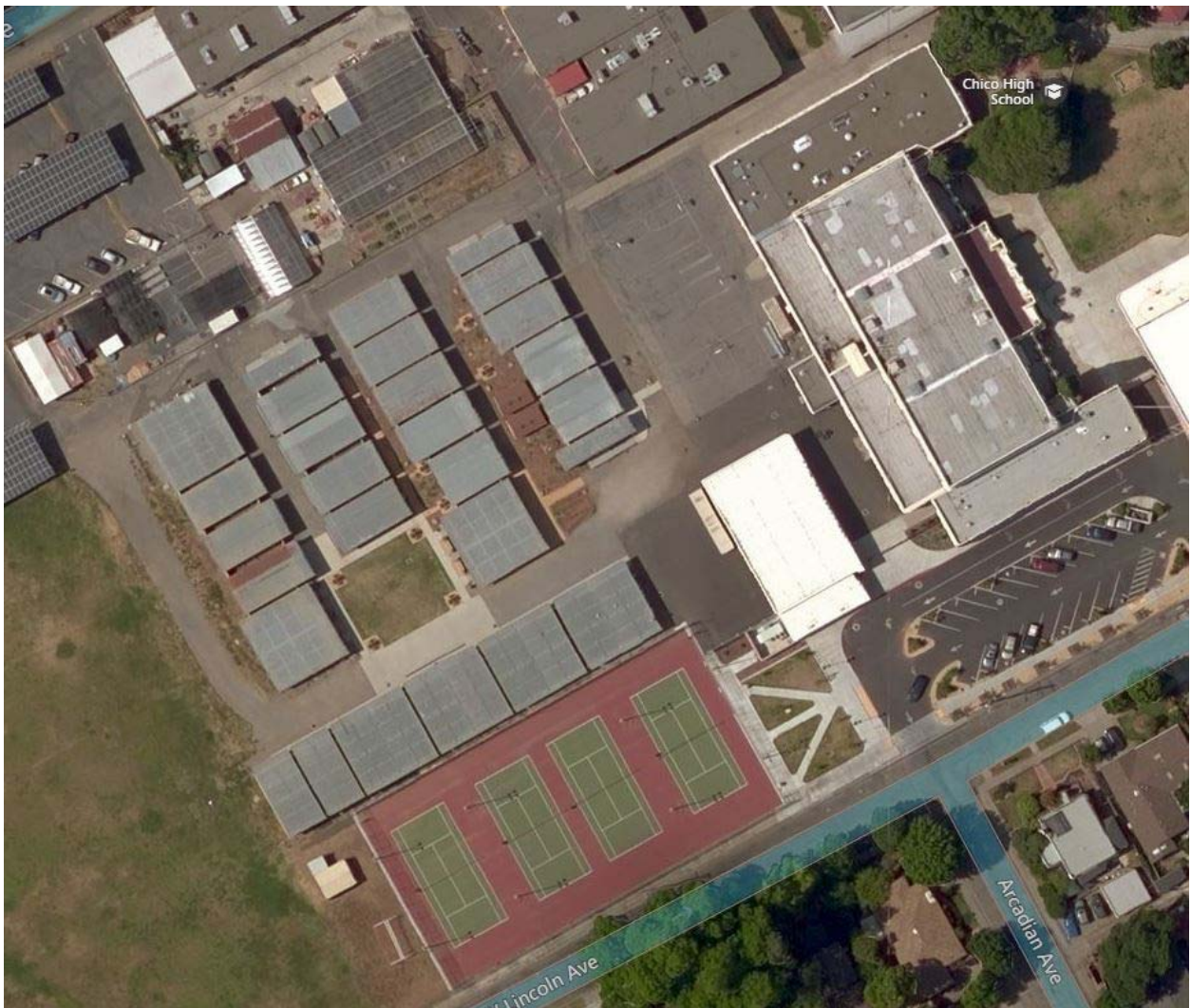
Inspire Charter School Scope

Room	MDF/IDF Location	Voice Feeds to MPOE	Fiber Strands	Exterior Wireless AP Locations	New Cat 6 Cabling	New Fiber
1	IDF					
2						
3						
4						
5						
6	IDF				10	
7					10	
8					10	
9					10	
10	IDF				10	
11					10	
12					10	
13					10	
14					10	
15	MDF		12			
16	IDF				10	
17					10	
18	IDF					
19						
20						
21						
22						
23						
24						
25						
26	IDF					
27						

				0	110	

Notes:

- Rooms 6 through 9 to be cabled to IDF in room 6
- Rooms 10 through 14 to be cabled to existing MDF in room 15
- Rooms 16 and 17 to be cabled to existing IDF in room 18
- Asbestos related work: abatement, drilling, etc. will be by the district
- IDF in room 10 to be demoed after project completion including existing cabling
- Add 2" seal-tight sleeves between from MDF (room 15) and 14 and 13 and 12 and 11 and 10
- Terminate existing 12 strand single mode fiber cable in MDF room 15 and test and certify
- IDF in room 16 to be demoed after project completion including existing cabling.



Appendix C - Measure E Projects - CUSD DATA CABLING AND INFRASTRUCTURE SPECIFICATIONS 3.0

Part Number	Manufact	Description	Standard or Equal	Installation
PANDUIT				
CJ688TG** (BLACK)	Panduit	Cat 6 Mini-Com Jack	District Standard- Meets 25-year warranty	Per Specifications
CFPL*** (WHITE)	Panduit	Mini-com Faceplates (Color TBD)	District Standard - Meets 25-year warranty	4 Port Standard - White
CBX4**AY (WHITE)	Panduit	Mini-com 4-Port Surface Mt. Boxes (Color TBD)	District Standard - Meets 25-year warranty	Used for Wireless/Camera Data Locations
CMB** (WHITE)	Panduit	Mini-com Blanks	District Standard - Meets 25-year warranty	Required for Faceplates as needed
DP48688TGY	Panduit	Cat 6 Mini-Com Patch Panels 2RU	District Standard - Meets 25-year warranty	See Racking Specifications
CP24BLY	Panduit	One to One 24 Patch Panel (1U)	District Standard - Meets 25-year warranty	24 Station (6E) or 24 P Phone (5E)
CPP48HDWBL	Panduit	High Density One to One 48 Patch Panel (1U)	District Standard - Meets 25-year warranty	Per Specifications
CPP48WBLY	Panduit	One to One 48 Patch Panel (2U)	District Standard - Meets 25-year warranty	Per Specifications
CPP72FMWBL	Panduit	High Density One to One 72 Patch Panel (2U)	District Standard - Meets 25-year warranty	48 Station Max +24 Phone (IDF or MDF)
CJ688TGW*	Panduit	Mini-Com TX6 UTP Jack Modules	District Standard - Meets 25-year warranty	Black - Station Cable Jack Modules
CJ5E88TGW*	Panduit	Mini-Com TX53 UTP Jack Modules	District Standard - Meets 25-year warranty	Blue - Phone Feed Jack Modules
SRB 19BLY	Panduit	Strain Relief Bar 2"	District Standard - Meets 25-year warranty	Required for Modular Patch - Cabinet Install
SRB 19D5BL	Panduit	Strain Relief Bar 5"	District Standard - Meets 25-year warranty	Required for Modular Patch - Rack Install
DP245E88TGY	Panduit	24 STA PATCH PNL PAN CAT 5e	District Standard	Voice feeds at IDF's - MDF
WMP1E	Panduit	Wire Management 2RU	District Standard - Meets 25-year warranty	See Racking Specifications
UTP 28SP8IN**	Panduit	Category 6 Performance UTP 28AWG (8")	District Standard - Meets 25-year warranty	IDF/MDF HD Modular Patch Cable
UTP SP 1"	Panduit	Cat 6 Patch Cords 1' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTP SP 3"	Panduit	Cat 6 Patch Cords 3' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTP SP 5"	Panduit	Cat 6 Patch Cords 5' (Color TBD) MDF/IDF	District Standard - Meets 25-year warranty	IDF/MDF Patch Cable
UTP SP 10"	Panduit	Cat 6 Patch Cords 10' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1Per Location
UTP SP 15"	Panduit	Cat 6 Patch Cords 15' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1Per Location (as needed)
UTP SP 25"	Panduit	Cat 6 Patch Cords 25' (Color TBD) Station	District Standard - Meets 25-year warranty	Computer Station - 1Per Location (as needed)
FRMEIU	Panduit	4RU Fiber LIU	District Standard - Meets 25-year warranty	IDF LIU
FRME4	Panduit	4RU Fiber LIU	District Standard - Meets 25-year warranty	MDF LIU
FAP 6WAQSCZ (10 Gig OM 3)	Panduit	Fiber Adapter Panel SC	District Standard - Meets 25-year warranty	Per Specifications
FZE3-10M 1(1 METER / OM 4)	Panduit	Multimode Fiber Jumper Cables SC-LC	District Standard - Meets 25-year warranty	Per Specifications
FBE10-10M 1Y	Panduit	Single Mode Fiber Jumper Cables SC-LC		
FZB3-NM 1(Simplex / OM 4)	Panduit	Fiber Pigtails SC	District Standard - Meets 25-year warranty	Per Specifications
LD 10"-6A	Panduit	LD-10 Surface-Mount Raceway (Color TBD)	District Standard	Must be mounted FLUSH to Surface w/screws
JB1***A	Panduit	LD-10 Surface-Mount Raceway Box (Color TBD)	District Standard	Must be mounted FLUSH to Surface w/screws
CFIO***X (coupler)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
RAF 10 1W***X (Right Angle)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
ICFIOW-X (Inside Corner)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
OCF 10***X (Outside Corner)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
DCF 10***X (Drop Ceiling)	Panduit	LD-10 Surface-Mount Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702B**B	Panduit	Twin-70 Surface-Mt Raceway (Color TBD)	District Standard	Per Specifications
T70C**B (Cover Order x2ft of)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T70CC / T702BC (Couplers)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702RA** (Right Angle)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702IC** (Inside Corner)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702OC** (Outside Corner)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
T702EE (Entrance End)	Panduit	Twin-70 Surface-Mt Raceway Fitting (Color TBD)	District Standard	Per Specifications
GENERAL CABLE				
Blue P/N: 7133900	General	GenSpeed 6000E	District Standard- Meets 25-year warranty	Standard Indoor Station Cabling
BLO12ANUBK	General	10 Gig Indoor/Outdoor 550m (OM 4 - PLENUM)	District Standard - Meets 25-year warranty	Fiber Backbone => 400 feet
A1012ANUBK	General	10 Gig => Indoor/Outdoor Single Mode (OS1-PLENUM)	District Standard - Meets 25-year warranty	Fiber Backbone => 401 feet
736100	General	Cat 6 OSP Genspeed 6000	District Standard - Meets 25-year warranty	Outdoor Station Cabling
7526569	General	12 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF
7526577	General	25 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF-MPOE
7526585	General	50 Pair/22Gauge PE-89	District Standard - Meets 25-year warranty	Phone feeder cable to IDF-MDF-MPOE
CHATSWORTH				
12804-701	Chatsworth	Fan Kit	District Standard	Not Required in Classrooms
12805-701	Chatsworth	Filter Kit	District Standard	Not Required in Classrooms
1900-724	Chatsworth	2" Cube-It Dual-Hinged Wall-Mount Cabinets	District Standard	IDF Wall Mount - Drop Count =
1900-736	Chatsworth	36X24X24 CHATSWORTH	District Standard	IDF Wall Mount - Drop Count =>
1900-748	Chatsworth	48X24X24 CHATSWORTH	District Standard	IDF Wall Mount - Drop Count =>
NF RJ-113C-C42	Chatsworth	N-SERIES TERAFRAME 83.4" Data Rack	District Standard	MDF Location - Check for required Space
30530-719	Chatsworth	N-Series Double-Sided, 2U, Black Cable Management	District Standard	MDF Location - Check for required Space
34538-000	Chatsworth	N-Series 19" W x 2U Panel, Black	District Standard	MDF Location - Check for required Space
HUBBELL				
RE4XB	HUBBELL	REM EQUIP -4HUB 42 H BK - Slim Line Wall Data C	District Standard	For Slim IDF Location -48 Port Max
CARLON				
AGB2SUNNB 1000	Carlton	1 1/4" Innerduct OSP - HOPE	or Equal	Required for Fiber - Outdoor use
DG4X1C-500R	Carlton	1 1/4" Innerduct Riser	or Equal	Require for Fiber - Indoor use
CANTEX				
51337B	Canter	Exterior Box for Wireless and Security Cams	District Standard	Outdoor Wireless/Security Cam box
B-LINE				
BCH 21	B-Line	J - hooks with retaining clips or Equal	District Standard	Mounted no more than 5' OC
BCH 32	B-Line	J - hooks with retaining clips or Equal	District Standard	Mounted no more than 5' OC
BCH 64	B-Line	J - hooks with retaining clips or Equal	District Standard	Mounted no more than 5' OC
Metal Conduits and Fasteners				
RMC		Rigid Metal Threaded Conduit	District Standard	Used for Roof Applications
IMC		Intermediate Metal Conduit	Alternate Standard upon District Approval	Used for Roof Applications
EMT		Electrical Metal Tubing	District Standard	Indoor and Vertical Wall Applications
PSF 16C	CADDY	Roof Blocks 4.8"	or Equal	To accommodate up to 4 - 2" Conduits
PSF 16D	CADDY	Roof Blocks 6.4"	or Equal	To accommodate up to 4 - 2" Conduits
Rain Tight Can	Bline	Roof Cans 24x24	or Equal	To accommodate up to 4 - 2" Conduits

Additional District Cabling and Infrastructure Specifications:

- All Cat6 and 5e cabling will be terminated to new Panduit patch panels as required
- One New 10' or Greater, Black, Cat 6 Patch Cable must be provided for each Computer Station.
- New backboards for new or additional IDF locations with appropriate (full) mounting and painted.
- Minimum 2" sleeves where sleeves are required.
- Physical Fiber must support 10 + Gbit backbone.
- Data Cabinets must not exceed 60% fill unless otherwise specified by the District
- All Raceway, boxes, and Faceplates must be white unless otherwise specified. Raceway and boxes are to be Mounted flush to surface.
- All fiber requires Fusion Splicing to Panduit factory made pigtail assemblies and trays - Per Contractor owned Splicer - Sub would require District approval
- All indoor and outdoor Metal Conduits must be painted to match - (roof conduits do not require painting)
- Island data locations require power/data poles unless otherwise specified
- Lightning protectors are required for all outdoor phone copper feeds.
- Data Cabinets - Require sleeves or Raceway to be fastened directly to Cabinet (no exposed cabling)

Vendor to sign as acknowledgment of receipt and return with bid.

Signature

Date

Company Name (please print)



Administrative Offices 1163 E. Seventh Street Chico, CA 95928-5999
phone: (530) 891-3000 • fax: (530) 891-3220 • www.ChicoUSD.org

Letter of Agreement Chico Unified School District and

(Name of Company)

Pursuant to the terms of Chico Unified School District's RFP # 2016-102 for Cabling Infrastructure (Name of Company) _____'s response to RFP # 2016-102 dated (mm/dd/yyyy) _____, (Name of Company) _____ will provide the equipment and services per RFP # 2016-102 effective the date of issuance of Chico Unified School District Purchase Order(s).

(Name of Company) _____ and Chico Unified School District acknowledge that this agreement is for E-Rate eligible products and services, which are contingent on funding by the School and Libraries Division of USAC/FCC and the Chico Unified School District for E-Rate Year 2016 (Year 19), and Chico Unified School District Board of Education approval.

The Chico Unified School District (District) reserves the right to terminate the referenced Request for Proposal (RFP) and all documents associated with the Request for Proposal, including but not limited to this Letter of Agreement, in its sole discretion at any time, with or without cause, upon written notice to the other party. In the event of termination, notice shall be deemed served on the date of mailing and shall be effective immediately. The District shall not be responsible for any costs to Bidder prior to termination.

Chico Unified School District

(Name of Company)

Authorized Representative Signature
Date: _____

Authorized Representative Signature
Date: _____

Name: Kelly Staley
Title: Superintendent
Address: 1163 East Seventh Street
Chico, CA 95928-5999
Email: KStaley@chicousd.org
Phone: (530) 891-1300

Name: _____
Title: _____
Address: _____
Email: _____
Phone: _____

**VENDOR'S CERTIFICATE REGARDING
WORKERS' COMPENSATION**

**REQUEST FOR PROPOSAL 2016-102
CHICO UNIFIED SCHOOL DISTRICT ERATE FY 2016 (Year 19)
CABLING INFRASTRUCTURE**

Labor Code section 3700 in relevant part provides:

Every employer except the State shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.

(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees.

I am aware of the provisions of section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

Signature_____

Date_____

Name_____

Title_____

Company_____

(In accordance with article 5 (commencing at section 1860), chapter 1, part 7, division 2 of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any work under this contract.)

NONCOLLUSION AFFIDAVIT

**REQUEST FOR PROPOSAL 2016-102
CHICO UNIFIED SCHOOL DISTRICT ERATE FY 2016 (Year 19)
CABLING INFRASTRUCTURE**

State of California)
)ss.
County of)

_____, (Name), being first duly sworn, deposes and says that he is
_____, (title) of the _____ (Name) party
making the attached bid; that the bid is not made in the interest of, or on behalf of, any undisclosed person,
partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or
sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or
sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or
anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any
manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the
bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or
of that of any other bidder, or to secure any advantage against the public body awarding the contract of
anyone interested in the proposed contract; that all statements contained in the bid are true; and, further,
that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or
the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to
any corporation, partnership, company, association, organization, bid depository, or to any member or
agent thereof to effectuate a collusive or sham bid.

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing
is true and correct.

Executed this _____ day of _____, 20_____ at _____ California.

Date: _____

Signature of Bidder

E-rate Service Provider Contact Information – FY 2016 (Year 19)

**REQUEST FOR PROPOSAL 2016-102
CHICO UNIFIED SCHOOL DISTRICT ERATE FY 2016 (Year 19)
CABLING INFRASTRUCTURE**

Vendor must provide the following information:

Person authorized to negotiate and sign the terms and conditions of any agreement between vendor and Chico Unified School District.

Name: _____

Title: _____

Company: _____

Address: _____

City, State, Zip code: _____

Phone: _____

Fax: _____

Email: _____

Include other important contact information.