PENN HILLS C.S. OF ENTREPRENEURSHIP (PHCS)
2501 MAIN STREET
PITTSBURGH, PA 15235-3644
470 BID #: YR300005 (CABLING SERVICES)

Sealed bids for the services listed herein will be received in PENN HILLS C.S. OF ENTREPRENEURSHIP (PHCS) Administration Office located at 2501 MAIN STREET, PITTSBURGH, PA 15235-3644 – ATTN: DR. WAYNE JONES until 10:00 A.M., DECEMBER 15TH, 2026 and will be opened at 10:15 the same day in the Administration Building Conference Room. BIDDERS ARE INVITED TO ATTEND THE BID OPENING BUT NO CHANGES TO BIDS WILL BE ACCEPTED OUTSIDE OF CLARIFICATIONS. BIDDERS ARE RESPONSIBLE FOR CHECKING THE WEBSITE WHERE THEY ACQUIRED THIS BID FOR ANY POTENTIAL ADDENDUMS AND/OR CHANGE OF DATES (BID RESPONSE DEADLINES, CLARIFICATIONS AND/OR WALK-THROUGHS IF ANY ARE SCHEDULED).

1. ***Two (2) hard copies*** (signed with original signatures where noted) **and *Two (2) USB thumb/flash drives* containing electronic copies** of the ***signed*** submitted proposal **(in Word or .pdf format)** for this bid inquiry are to be returned to **PHCS** as instructed below. Any additional vendor documentation should be included as part of your response package.
2. All bid responses shall be returned in sealed envelopes and addressed to **PHCS** at the address stated above. **Please show the bid number (BID#: YR300005) on the outside of the envelope.**
3. **In addition to the response instructions outlined above the vendor must also respond by e-mail by the noted deadline to Erate2027bidresponse@advanedgesolutions.com with attachments matching the hardcopies and USB documents mailed to the school. Said e-mail *must* be titled "PHCS E-RATE BID RESPONSE – YR300005" in the e-mail subject line area. Not conforming to this mandate may disqualify your bid response as it is integral in the response scoring process.**
4. The Bidder is responsible for ensuring that the Bid response, inside a sealed envelope, is received **via registered mail or carrier service** prior to **10:00 A.M.** on the date stated above. Delivering that Bid document to a **PHCS** employee, even if a signature is obtained, ***is not*** sufficient to meet the requirements of this Bid Condition. **PHCS** is not responsible for the failure of any of its employees or any mail delivery service to receive this bid document prior to the time and date for the public opening of this Bid.
5. Responses submitted on this Bid form and other required document as/if noted must be signed by a duly authorized agent or officer of the Company making the bid. Absence of original signature of person duly authorized to sign for the Company submitting this bid document will automatically leave this bid null and void.
6. Prices quoted must include all costs for delivery of requested services including any/all installation, support and engineering charges. Opportunity exists to note any idiosyncrasies and/or clarifications.
7. Not more than one alternate service may be quoted on any single item of the bid. Description and pricing for any such alternate/hybrid/migration solutions must be submitted with this document and be accompanied with a valid signature from the submitting vendor.
8. The Technology Support Staff /Resources group shall have full power and authority to reject any and all bids furnished which in their opinion, are not in strict compliance and conformity with the requirements of the specifications. The decision of said group shall be final, conclusive, and without challenge.
9. **PHCS** reserves the right to reject any or all bids, and to accept or reject any item or group of items and/or added or modified statements by vendor(s) for bid responses submitted.
10. Upon identification of the lowest bid for identified services and installations (if warranted) the successful bidder will be notified. It should be noted that awarding of this bid will commit the respondent to their quoted pricing for the entire period of time required for the SLD to notify **PHCS** of e-rate funding and proceeding to the implementation phases of the project(s). Once notified of funding **PHCS** will/may commence with deploying said services. **PHCS** may also elect to initiate services before funding notification and if doing so, will coordinate with the successful Respondent accordingly.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

11. Bidders shall make all investigations necessary to thoroughly inform themselves regarding the plant and facilities affected by the delivery of services, materials and equipment as required by the Bid conditions. No plea of ignorance by the Bidder of conditions that exist or that may hereafter exist as a result of failure to fulfill the requirements of the contract documents will be accepted as the basis for varying the requirements of the School or the compensation to the Bidder.

12. Bid Proposals received after the date and time set for the Bid opening shall be considered non-responsive and disqualified accordingly. Bid Proposals submitted via facsimile which are transmitted after the date and time set for the Bid opening shall be considered nonresponsive and also may be disqualified accordingly.

13. Bid Proposals received adhering to any of the following items will be subject to Disqualification:

- Service Provider Identification Number (SPIN) not provided
- Service provider must have and provide an FCC Registration Number if requested
- Service provider must provide copy of insurance certificate
- Service provider must participate in the E-Rate Program and offer direct Program billing for funding
- Bid not timely received, incomplete and/or modified as to change/eliminate original content/intent
- Bid response contains unacceptable limitations/restriction of services/responsibilities
- Bid contains additional stipulations deemed as unacceptable to School

14. Local, State and Federal Compliance Requirements:

Successful Bidders shall be familiar and comply with all local, state, and federal directives, ordinances, rules, orders, and laws as applicable to, and affected by, this contract including but not limited to Equal Employment Opportunity Commission (EEOC), the Occupational Safety, Health Act (OSHA), and Title I and Title II of the Americans with Disabilities Act (ADA) regulations. No Bidder shall be excluded from consideration for award in conjunction with this solicitation on the basis of race, color, creed, national origination, handicap or sex or be subjected to discrimination under any contractual award administered by the School.

15. Tax Exempt Status: **PHCS** is exempt from Pennsylvania Sales and Use Tax and enjoys other federal and state tax exemptions afforded to public school entities and/or similar political subdivisions. Interstate telecommunications services are subject to assessment of the universal service Contribution fee. This notice shall serve to satisfy any notification required by the provider as to these tax exemptions. Providers must ensure that their cost proposals include all applicable taxes and surcharges from which the schools are not exempt.

16. Vendor, at all times during the term of the Agreement, shall obtain and maintain in force insurance coverage of the types and with the limits as follows:

A. Commercial General Liability Insurance: Vendor shall maintain occurrence based commercial general liability insurance or equivalent form with a limit of not less than $1,000,000 for each occurrence and $2,000,000 aggregate.

17. Vendor will comply with all federal, state and local labor and general laws, regulations, ordinances, guidelines, permits and requirements applicable to providing services pursuant to the Agreement, and will be solely responsible for obtaining current information on such requirements. Vendor will comply with all relevant policies of the Board of School Directors.

18. Subcontractor Arrangements: If subcontractor arrangements may be necessary, Vendor is to include provisions in its subcontracts requiring its subcontractors to comply with the applicable provisions of the Agreement, to indemnify **PHCS**, and to provide insurance coverage for the benefit of **PHCS** in a manner consistent with the Agreement. **PHCS** reserves the right to require subcontractor(s) to furnish certificates of insurance. Vendor will cause its subcontractors, agents, and employees to comply, with applicable federal, state and local laws, regulations, ordinances, guidelines, permits and requirements and will adopt such review and inspection procedures as are necessary to assure such compliance. Vendor must identify all proposed subcontractors in its Proposal. The Vendor and all subcontractors must be authorized to do business in the state which the identified school(s) reside in.

19. Awarded Bidder(s) shall comply with all contractual obligations contained within this Bid. With respect to these obligations, the School will report any non-compliance issues to the successful Bidder for corrective action. Continued non-compliance by the successful Bidder shall be the School's justification for placing the Bidder's contract on probation status or termination.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

PENN HILLS C.S. OF ENTREPRENEURSHIP (PHCS)
2501 MAIN STREET
PITTSBURGH, PA 15235-3644
470 BID #: YR300005 (CABLING SERVICES)

BID SPECIFICATIONS
NETWORK CABLING SERVICES

PHCS IS SEEKING A CONTRACT FOR ***TURN-KEY***, INSTALLATION OF NETWORK CABLING AND CORRESPONDING CABLING PLANT INFRASTRUCTURE/SERVICES AND CORRESPONDING REQUIRED COMPONENTS SUCH AS BUT NOT LIMITED TO PATCH PANELS, PATCH CABLES, CABLE TRAYS, CONDUIT, REQUIRED RACKS, RE-ROUTING/RE-TERMINATION SERVICES, CABLE MANAGEMENT, ETC. FOR THE **PHCS** SITE(S). RESPONDENTS ARE REQUIRED TO BE FAMILIAR WITH STATE AND/OR LOCAL LAWS OR REGULATIONS AND ARE REQUIRED TO SUBMIT ALTERNATE PRICING ADHERING TO LOCAL PREVAILING WAGE AND/OR OTHER LABOR REQUIREMENTS (UNION) WITHIN THIS BID CONTRACT. THESE SERVICES ARE E-RATE ELIGIBLE AND THE SCHOOL WILL BE REQUESTING FUNDING ACCORDINGLY. **SERVICES WILL/MAY COMMENCE AFTER APRIL 1st, 2027**AND MAY EITHER CORRESPOND WITH RECEIPT OF THE SLD FUNDING LETTER/S FOR THE SERVICES THAT WERE REQUESTED OR BE ADDRESSED PROACTIVELY WHILE STILL AWAITING FUNDING NOTIFICATION. THE SCHOOL WILL IDENTIFY THE PARTICULAR SCHEDULING NEEDS TO THE RESPONDENT AT A LATER DATE FOR PLANNING/COORDINATION PURPOSES. ESTIMATED NUMBERS OF DROPS PER LOCATION CAN BE FOUND WITHIN THIS DOCUMENT. ***PLEASE NOTE THAT THESE ARE ONLY INITIAL PROJECTIONS AND ACTUAL FINAL SUBMITTED QUANTITIES MAY INCREASE OR DECREASE BASED ON NEED AND/OR E-RATE SITE-BASED FUNDING ALLOCATION. PHCS IMPLIES NO GUARANTEES OF FINAL QUANTITIES, SCHEDULES AND/OR TIMELINES.***

QUESTIONS PERTAINING TO THIS BID PROCESS AND/OR ANY TECHNICAL QUESTIONS SHOULD BE DIRECTED TO:

Erate2027bidresponse@advanedgesolutions.com

NOTE: INCLUDE "PHCS CABLING BID YR300005" IN THE SUBJECT LINE OF ANY E-MAIL CORRESPONDENCES.

IT SHOULD BE NOTED THAT ORIGINAL SIGNATURES ARE REQUIRED AT THE BOTTOM OF EACH PAGE IN THIS BID WHEN THE APPROPRIATE SIGNATURE LINES ARE PROVIDED. FAILURE TO PROVIDE THESE SIGNATURES AS INSTRUCTED WILL VOID THE ENTIRE BID RESPONSE FOR THAT PARTICULAR RESPONDENT. ADDITIONALLY, THE CORRESPONDING EXCEL SPREADSHEET MUST ALSO BE COMPLETED AND INCLUDED IN THE BID RESPONSE PACKAGE AND REQUIRED E-MAIL RESPONSE *IN EXCEL FORMAT*. IT IS NOT THE SCHOOL'S/CONSULTANT'S RESPONSIBILITY TO ADDRESS INCOMPLETE VENDOR RESPONSE ISSUES AND/OR REQUIREMENTS.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

PENN HILLS C.S. OF ENTREPRENEURSHIP (PHCS)
2501 MAIN STREET
PITTSBURGH, PA 15235-3644
470 BID #: YR300005 (CABLING SERVICES)

ITEM NO. **ITEM/SERVICE DESCRIPTION: SPECICATIONS/SCOPE**

1. **NETWORK CABLING SERVICES:** THE REQUEST IS FOR A QUOTE FOR VARIOUS CABLING SERVICES SCENARIOS FOR **PHCS**. THE SCOPE OF WORK MAY/WILL INCLUDE THE QUANTITIES OF NETWORK DROPS AS DEFINED WITHIN THIS DOCUMENT AND THE ATTACHMENTS EMBEDDED AT THE END OF THIS BID DOCUMENT. FIBER BACKBONE RUNS WHEN NEED IS CONFIRMED MUST BE INSTALLED BETWEEN THE NETWORK CLOSET(S) (INCLUDING ANY CLOSETS NEEDED DUE TO IEEE CAT 6/CAT 6A CABLE LENGTH LIMITATIONS). IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND CONFIRM LOCATIONS TO ADDRESS SUCH NEEDS AND WORK WITH **PHCS** AND ITS RESOURCES TO ASSURE FAVORABLE, STRATEGIC LOCATIONS. LISTED BELOW ARE BULLETED SPECIFICATIONS FOR THE NETWORK(S), THE COMPONENTS AND CORRESPONDING REQUIREMENTS FOR THE PROJECT(S). THIS LIST AND THE ACCOMPANYING ATTACHMENTS ARE MEANT TO PROVIDE SIGNIFICANT INSIGHT TO ALL REQUIRED DELIVERABLES. ADDITIONALLY, A PRE-BID DEADLINE SCHEDULED SITE REVIEW/WALK-THROUGH **MAY** BE SCHEDULED TO PROVIDE INTERESTED RESPONDENTS THE OPPORTUNITY TO VIEW THE SITE(S). ***RESPONDENTS ARE RESPONSIBLE FOR CHECKING THE WEBSITE FROM WHERE THEY OBTAINED THIS BID FOR ANY WALK-THROUGH SCHEDULING NOTIFICSTIONS AND ANY POTENTIAL BID ADDENDUMS, SUPPORTING DOCUMENTS AND/OR BID OPENING RESCHEDULING. ONCE/IF A DATE IS DETERMINED A WALK-THROUGH DATE WILL BE POSTED IN THE E-RATE PROGRAM'S 470 SITE AND ON THE WEBPAGE WHERE THIS BID OPPORTUNITY IS AVAILABLE (WWW.ADVANEDGESOLUTIONS.COM OR WWW.INTELAFUNDS.NET.*** THIS PROPOSAL WILL/MAY LEVERAGE THE FEDERAL E-RATE PROGRAM. ALL DELIVERABLES AND CORRESPONDING MATERIALS ARE E-RATE ELIGIBLE. ANY ADDITIONAL NON E-RATE ELIGIBLE ITEMS THAT NEED ADDRESSED MUST BE ADDRESSED VIA A SEPARATE CONTRACT/AGREEMENT AND SEPARATE INVOICING WHEN/IF THE NEED ARISES FOR NON-ELIGIBLE SCOPE.

   A.) SCOPE OF WORK INCLUDES THE RUNNING, TERMINATION, TESTING AND LABELING OF ALL CAT. 6, CAT. 6A AND/OR **OM4 OR HIGHER FIBER** NETWORK REQUIREMENTS AS DEFINED. ADDITIONAL SCOPE MAY INCLUDE RE-ROUTING/RE-TERMINATION OF CABLES AND/OR SINGLE-MODE FIBER WHERE IDENTIFIED WITHIN. REMOVAL OF OBSOLETE OLD CABLING MAY ALSO BE INCLUDED AS/IF NOTED.

   B.) SCOPE OF WORK REQUIRES THAT THE CONTRACTOR PROVIDE ANY/ALL REQUIRED PATCH PANELS, NETWORK RACKS (WALL-MOUNTED, FLOOR MOUNTED, AND/OR ENCLOSED), BOOTED CAT 6/6A PATCH CABLES (AT PATCH PANEL END AND AT WALL JACK LOCATIONS), FIBER TERMINATION LGU CABINETS, FIBER PATCH CABLES (TO BE COORDINATED WITH EQUIPMENT CONTRACTOR), NETWORK WALL JACKS AND ANY REQUIRED NETWORK CONDUIT/RACEWAY TO ENSURE A COMPLETE, TURN-KEY FINAL, MANAGED SOLUTION.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

C.) IT SHOULD BE NOTED THAT PAYMENT WILL ONLY BE ADMINISTERED ON ACCEPTABLE, COMPLETE SERVICES WHEREAS WORKMANSHIP ADHERES TO REQUIREMENTS OUTLINED AND CABLING IS MANAGED THROUGHOUT THE PROJECT(S) IN AN ACCEPTABLE MANNER UTILIZING INDUSTRY STANDARD CONTAINMENT RINGS, BRACKETS, INTER-DUCT, ETC. (NO WIRES OR ROPE, OR STRINGS). ALL HOLES MUST BE FILLED IN AND FINISHED, CONDUITS MUST CONNECT DIRECTLY TO JUNCTION BOXES, AND CORNERS MUST BE MITERED/TERMINATED TO JUNCTION BOXES. ALL CONDUIT AND JUNCTION BOXES MUST BE SECURED DIRECTLY TO THE WALL VIA SCREWS WITH DRILLED WALL PLUGS AND WASHERS…NOT RELYING ON ADHESIVE-BASED MOUNTING ONLY.

D.) INCLUDED AS PART OF THIS BID ARE NUMEROUS SUPPORTING ATTACHMENTS (EMBEDDED AT END OF THIS DOCUMENT) TO ASSIST IN EVALUATING THE PROJECT AND POSTING CORRESPONDING BID RESPONSES. THESE ITEMS ARE AS FOLLOWS:

I. ATTACHMENT **"ATTACHMENT A - FLR PLAN & RISER SAMPLE"**: THIS EMBEDDED ATTACHMENT CONTAINS A GENERIC NETWORK RISER DIAGRAM WHICH GIVES A SNAPSHOT EXAMPLE OF THE DESIRED NETWORK CLOSET LAYOUT SCHEME THAT THE CONTRACTOR MUST ABIDE BY. DUE TO TIME CONSTRAINTS, POTENTIAL DYNAMICS AND/OR OTHER CHALLENGES A FINAL RACK-BY-RACK DETAILED DIAGRAM DOCUMENT IS NOT AVAILABLE FOR THIS BID PROCESS. THE RESPONDENT IS TO PROVIDE PRICING BASED ON A "PER DROP" AND "PER RACK" SERVICE MATRIX WHICH WILL BE LEVERAGED BY THE SCHOOL WITH ESTIMATED QUANTITIES TO APPLY FOR E-RATE FUNDING ASSISTANCE.

II. ATTACHMENT **"ATTACHMENT B - STD & SPECS"**: THIS EMBEDDED ATTACHMENT CONTAINS SPECIFICATIONS AND STANDARDS WHICH ARE A REQUIREMENT FOR THE CABLING SERVICES PROJECT(S). ADDITIONALLY, THERE ARE LISTS OF POTENTIAL NETWORK COMPONENTS THAT MAY BE NEEDED TO SUPPORT THE PROJECT AND SPECIFICS REGARDING LABELING, TESTING AND DOCUMENTATION REQUIREMENTS. SIGNED COPY OF THIS DOCUMENT IS A REQUIREMENT FOR COMPLETE BID RESPONSE FOR THIS RFP PROCESS.

E.) SCOPE OF WORK FOR THIS/THESE BID PROJECT(S) MAY INCLUDE THE INSTALLATION OF NETWORK ELECTRONICS (I.E.: WIRELESS ACCESS POINTS) TO BE SUPPLIED BY **PHCS** (SEE BULLET FOR DEFINITION OF "INSTALLATION").

F.) INTERESTED PARTIES ARE TO MONITOR THE WEBSITE WHERE THIS BID WAS ACQUIRED FOR VARIOUS RELATED DIAGRAMS/DOCUMENTATION TO BE LEVERAGED BY THEM DURING THE WALK-THROUGH AND BID RESPONSE PROCESS.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

G.) CONTRACTOR IS REQUIRED TO INCLUDE ALL PATCH CABLES (AT PATCH PANELS TERMINATION END/PORT AND AT EACH WALL JACK LOCATION) INCLUDING ALL EQUIPMENT AND NETWORK INTER-CONNECTING CABLES (BOOTED CAT.6/6A AND FIBER). THE CABLING CONTRACTOR IS RESPONSIBLE FOR COORDINATING THESE CABLING NEEDS WITH THE SCHOOL FOR A STREAMLINED, TIMELY COMPLETION OF THIS PROJECT THAT ADHERES TO SCHOOL/DISTRICT ADOPTED COLOR/PATCHING SCHEMES.

H.) THE RESPONDENT MUST BE A CERTIFIED HUBBELL CONTACTOR (OR EQUIVALENT PROGRAM) IN GOOD STANDING WITH THE PROGRAM. THE SELECTED RESPONDENT WILL BE RESPONSIBLE FOR PROVIDING A FULL MANUFACTURER'S WARRANTY FOR THE NEWLY INSTALLED SYSTEM AND IDENTIFY IN THE COMMENT AREA THE NAME, LENGTH OF YEARS AND CERTIFICATION PROOF OF SAID WARRANTY PROGRAM.

ITEM NO. **ITEM/SERVICE DESCRIPTION: SUBMITTED PRICING**

2. IDENTIFY COSTS FOR ITEMS BELOW BASED ON REQUIREMENTS AND CRITERIA IDENTIFIED WITHIN THIS BID CONTRACT DOCUMENT AND CORRESPONDING SUPPORT DOCUMENTS MENTIONED AND INCLUDED WITH THIS BID PACKAGE/POSTING. NOTE THAT THERE ARE AREAS FOR VARIOUS PRICING SUBMITTALS…ONE FOR BASE INSTALLATION, ONE INCORPORATING ANY UNION AND/OR OTHER LABOR CHARGES WHICH MAY BE REQUIRED AND A "PHASED" INSTALLATION PRICING SECTION IF POTENTIALLY NEEDED. PLEASE PROVIDE SPECIFIC PRICING AS REQUESTED FOR EACH UNIQUE SCENARIO:

A. COST *PER SET OF TWO (2)* CAT. 6/6A NETWORK DROPS:
(BASED ON FULL PROJECT ESTIMATED QUANTITIES AS GIVEN BELOW)

$_____ PER "DROP" (2 CAT. 6 PORTS)

("UNION") $_____ PER "DROP" (2 CAT. 6 PORTS)

$_____ PER "DROP" (2 CAT. 6A PORTS)

("UNION") $_____ PER "DROP" (2 CAT 6A PORTS)

- *NOTE HERE ANY SERVICE COST DIFFERENCIAL FOR THE 3 NOTED OUTDOOR WIRELESS ACCESS POINT NEEDS: (PER LOCATION) $*_____

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

NOTE: *THE VENDOR CAN PROVIDE A LIST OF COMPONENT/INSTALLATION PRICING AS ADDITIONAL DOCUMENTATION BUT MUST PROVIDE A COLLABORATIVE, SUMMARY COST PER "DROP" FOR THE AREAS ABOVE SO E-RATE REVIEWERS CAN EQUATE TO A SINGLE SERVICE ITEM COST AND A TRUE COMPARISION OF PRICING CAN BE EXERCISED AGAINST OTHER VENDOR RESPONSES.*

B. COST PER NETWORK IDFs AND/OR MDF CLOSET SCENARIO LEVERAGING 12 STRAND OM4 OR HIGHER FIBER BACKBONE INCLUDING ANY IDF/MDF FIBER/CATEGORY CABLE TERMINATION COMPONENTS AND MATERIALS, PATCH CABLES, LABELING, ETC.) AS REQUIRED TO TERMINATE NEW FIBER BACKBONE AS DEFINED WITHIN THIS DOCUMENT AND/OR THE ATTACHMENT **"ATTACHMENT B - STD & SPECS**" DOCUMENT: (BASED ON FULL PROJECT ESTIMATED QUANTITIES AS GIVEN BELOW).

$_____ PER OM4 FIBER CLOSET SCENARIO
("UNION" PRICING) $_____ PER OM4 FIBER CLOSET SCENARIO

$_____ PER OM4 FIBER CLOSET SCENARIO
("UNION" PRICING) $_____ PER OM4 FIBER CLOSET SCENARIO

C. COST *PER SINGLE,RUN* CAT. 6/6A NETWORK DROP:

$_____ PER SINGLE RUN CAT. 6 DROP

("UNION" PRICING) $_____ PER SINGLE RUN CAT. 6 DROP

$_____ PER SINGLE RUN CAT. 6A DROP

("UNION" PRICING) $_____ PER SINGLE RUN CAT. 6A DROP

RESPONDENT COMMENT:_____-
X:_____

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

REMEMBER TO CONSIDER THE LABELING, TESTING, DOCUMENTATION AND INSTALLING OF EQUIPMENT ALONG WITH CORRESPONDING PATCHING IN OF ALL DROPS AND UPLINKS WHEN CALCULATING YOUR PER/DROP AND PER/RACK PRICING SUBMITTALS AS THESE COMPONENTS ARE MANDATORY DELIVERABLES WITHIN THIS BID CONTRACT.

D.) COST/HR. FOR RE-ROUTING/RE-TERMINATION "CLEAN-UP" SERVICES (IF NEEDED). THIS INCLUDES ANY AP MOUNTING SERVICES TO REPLACE OLD APs:

$_____

("UNION" PRICING) $_____

F.) IN THE EVENT THE SCHOOL DESIRES AN ENCLOSED RACK SOLUTION PLEASE PROVIDE A COST PER RACK UNIT (IF NEEDED). NOTE: STANDARD OPEN, EXTRA DEEP WALL-MOUNTED RACK IS ALREADY INCLUDED IN DELIVERABLE PORTION OF SERVICES SCOPES:

1.) WALL-MOUNTED ENCLOSED/LOCKABLE WALL RACK WITH VENTS/FAN ABLE TO ADDRESS MIGRATION OF EXISTING TERMINATED CABLES AND NEW CABLES:
COST PER UNIT:_____
MANUFACTURER/MODEL(REQUIRED):_____

2.) FLOOR-MOUNTED ENCLOSED/LOCKABLE RACK WITH VENTS/FAN ABLE TO ADDRESS MIGRATION OF EXISTING TERMINATED CABLES AND NEW CABLES:
COST PER UNIT:_____
MANUFACTURER/MODEL(REQUIRED):_____

BID CONDITIONS:

1. CONTRACT ITEMS/CONDITIONS:

A. IF, FOR INTERNAL NEEDS, THE BID RESPONDENT WOULD REQUIRE ANY OTHER FORMAL DOCUMENT(S) TO BE SIGNED AND EXECUTED BY **PHCS** UPON AWARD OF THIS BID CONTRACT **THEN FOUR (4) COPIES OF SAID DOCUMENT(S), *WITH ALL REQUIRED RESPONDENT SIGNATURES INTACT*, MUST BE SUBMITTED WITH THIS BID CONTRACT DOCUMENT AND CORRESPONDING RESPONDENT PROPOSAL**. **THIS BID AND DUALLY**

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

SIGNED CONTRACT AGREEEMENT LETTER CONSTITUTES THE CONTRACT OF RECORD FOR THESE REQUESTED MATERIALS AND SERVICES.

B. NO CONTRACT LANGUAGE MAY BE INSERTED OR CONTAINED WITHIN ANY ADDITIONAL FORMAL DOCUMENTS THAT REFERS TO ANY ISSUES, PROVISIONS OR ADDITIONAL ITEMS NOT SPECIFICALLY DETAILED WITHIN THIS BID CONTRACT DOCUMENT.

C. NO CONTRACT LANGUAGE MAY BE INSERTED INTO OR CONTAINED WITHIN ANY ADDITIONAL FORMAL DOCUMENT(S) THAT WOULD CONFLICT WITH THE FEDERAL E-RATE PROGRAM'S ELIGIBILITY REQUIREMENTS AND/OR GUIDELINES AS DEFINED BY THE SCHOOLS AND LIBRARIES DIVISION (SLD).

D. NO CONTRACT LANGUAGE MAY BE INSERTED INTO OR CONTAINED WITHIN THE ANY ADDITIONAL FORMAL DOCUMENT(S) THAT WOULD REPLACE OR MAKE INVALID ANY STATEMENT OR CONDITION OUTLINED WITHIN THIS BID CONTRACT DOCUMENT.

2. LIABILITY FOR TERMINATION OF SERVICES:

A. THERE SHALL BE NO LIABILITY LEVERAGED AGAINST **PHCS** FOR TERMINATION OF SERVICES TO ANY BUILDING/S THAT IS CLOSED OR IN SITUATIONS WHERE THE BUILDING/S LEASE(S) BECOMES NULL OR VOIDED.

B. THERE WILL BE NO LIABILITY FOR TERMINATION OR REDUCTION OF SERVICE/S AT ANY FACILITY FOR ANY REASON. **PHCS** IS ONLY REQUIRED TO PROVIDE FORMAL WRITTEN NOTIFICATION TO THE SERVICE PROVIDER/S FIVE (5) BUSINESS DAYS PRIOR TO ACTUAL DESIRED TERMINATION OF SERVICES.

C. ANY RESPONDENT WISHING TO SUBMIT A PROPOSAL TO THIS BID DOCUMENT MUST BE WILLING TO PARTICIPATE IN THE FEDERAL COMMUNICATIONS COMMISSION'S (FCC) UNIVERSAL SERVICE ORDER AS DETAILED IN THE TELECOMMUNICATIONS ACT OF 1996. **PHCS** WILL BE SUBMITTING FUNDING REQUESTS FOR ALL ELIGIBLE SERVICES TO THE SLD AND UPON VERIFICATION OF FUNDING WILL EXPECT THE AWARDED RESPONDENT TO PARTICIPATE IN THE PROGRAM.

D. **PHCS** WILL NOT BE HELD LIABLE FOR ANY UNPAID FEE(S) FOR ANY E-RATE ELIGIBLE PROJECT WHEREAS THE SLD FUNDING COMMITMENT WAS ISSUED AND CORRESPONDING SERVICES WERE LEVIED BUT IMPROPER PROCEDURES OR DELAYS FROM THE AWARDED SERVICE VENDOR DELAYS OR NEGATES **PHCS** E-RATE FUNDING AND SUBSEQUENT PAYMENT TO THE AWARDED SERVICE VENDOR.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

E. **PHCS** AND/OR ITS RESOURCES (I.E.: E-RATE CONSULTANT) IS NOT RESPONSIBLE FOR PROVIDING CONTRACTED RESPONDENT WITH RESEARCH, CLERICAL AND/OR E-RATE PROGRAM VENDOR PROCESS ASSISTANCE.

3. THE LEVEL OF PARTICIPATION FROM THE RESPONDENT WILL INCLUDE THE FOLLOWING:

A. PROVIDE DISCOUNTED BILLING…WHEREAS **PHCS** WILL BE INVOICED DIRECTLY FOR ITS "FAIR-SHARE" PORTION OF ELIGIBLE SERVICES WHILE THE RESPONDENT DIRECTLY INVOICES THE E-RATE PROGRAM FOR THE REMAINING PORTION.

B. THE RESPONDENT MUST HAVE AN ACTIVE/VALID SPIN NUMBER AND PROVIDE it BELOW. ***FAILURE TO PROVIDE THIS NUMBER WILL VOID THE RESPONDENT'S PROPOSAL.***

SPIN #:_____

THE RESPONDENT MUST NOTE BELOW IF THEY ARE/WERE LISTED ON THE FCC "RED-LIGHT" STATUS LIST, SELECTIVE REVIEW LIST AND/OR PART OF ANY OTHER SLD INVESTIGATION(S). ***FAILURE TO ANSWER THE QUESTION BELOW WILL VOID THE RESPONDENT'S PROPOSAL.***

RESPONDENT ON SLD FCC "RED-LIGHT" STATUS:
YES or **NO**
(Please indicate either "YES" or "NO")

RESPONDENT ON SELECTIVE REVIEW LIST:
YES or **NO**
(Please indicate either "YES" or "NO")

RESPONDENT ON PART OF ANY OTHER SLD INVESTIGATION(S) LIST:
YES or **NO**
(Please indicate either "YES" or "NO")

C. THE SUCCESSFUL VENDOR MUST IDENTIFY **PHCS** IN WRITING, E-MAIL AND VIA VOICE WHEN/IF THEY SHOULD HAPPEN TO BECOME ENGAGED IN ANY SLD INVESTIGATIONS AND/OR AUDITS WHICH MAY RESULT IN EXTENDED DELAYS OF SERVICE FUNDING AWARDS. ANY SUCH NOTIFICATION MUST BE MADE WITHIN 10 BUSINESS DAYS OF THE VENDOR BEING NOTIFIED OF SAID INVESTIGATION(S)/AUDIT.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

D. SHOULD THE SUCCESSFUL VENDOR BECOME RED-LIGHTED BY THE FCC OR BECOME ENGAGED IN OTHER SLD INVESTIGATIONS RESULTING IN EXTENDED DELAYS OF SERVICE FUNDING AWARDS **PHCS** SHALL HAVE THE RIGHT TO TERMINATE THE CONTRACT AND SELECT ANOTHER VENDOR WITHOUT PENALITY OR COSTS.

E. ALL INVOICING WILL MEET **PHCS**'S STIPULATIONS AND BE DELIVERED IN A TIMELY MANNER. INVOICING WILL BE ACCEPTABLE IN ELECTRONIC FORMAT.

4. CONTRACT PRICING MODIFICATION: IF, DURING THE COURSE OF THE CONTRACT, CHANGES IN TECHNOLOGY, THE ECONOMY, OR ANY OTHER CONTRIBUTING FACTOR(S) PROVIDE THE NEED FOR HIGHER COST OF SERVICES THE SELECTED VENDOR CANNOT LEVY THESE COST INCREASES UPON **PHCS**.

5. UPON AWARD OF THIS CONTRACT TO THE SUCCESSFUL RESPONDENT IT WILL BE THE RESPONDENT'S IMMEDIATE RESPONSIBILITY TO OBTAIN REQUIRED BACKGROUND CHECKS (STATE/POLICE CRIMINAL RECORD CHECK AND CORRESPONDING STATE CHILD ABUSE HISTORY CLEARANCE FOR **ALL** EMPLOYEES, CONTRACTORS AND SUB-CONTRACTOR RESOURCES THAT WILL BE WORKING ONSITE WITHIN THE SCHOOL(S) OR HAVING ACCESS AND/OR INTERACTION EITHER DIRECTLY OR REMOTELY, TO **PHCS** STAFF, STUDENTS, DATA/INFORMATION STORED ON AND COMPUTER AND/OR NETWORK EQUIPMENT. COPIES OF ALL CLEARANCES AND A PHOTO STATIC COPY OF EACH OF THE RESPONDENT'S PROJECT RESOURCES WILL BE DELIVERED **PHCS** AT THE ADMINISTRATION BUILDING.

6. **PHCS** WILL CONSIDER BIDS THAT LEVERAGE SUBCONTRACTORS AS LONG AS THE IDENTIFIED SUBCONTRACTOR/S, THROUGH THE AWARDED VENDOR OF THIS BID CONTRACT, PROVIDES THE ABOVE DESCRIBED CLEARANCES AND ABIDES BY THE SAME GUIDELINES OUTLINED IN THIS BID. IT SHOULD BE NOTED THAT THE AWARDED VENDOR FOR THIS BID ACCEPTS ALL RESPONSIBILITIES AND LIABILITIES FOR ANY SUBCONTRACTORS THEY CHOSE TO LEVERAGE AND THEIR WORKMANSHIP RELATIVE TO THIS CONTACT'S REQUIREMENTS. ALL INVOICING SHALL BE COMPLETED THROUGH THE AWARDED PRIMARY VENDOR.

7. CONTRACTOR SHALL MAINTAIN THROUGHOUT THE ENTIRE TERM OF THIS AGREEMENT, ADEQUATE GENERAL LIABILITY INSURANCE AS DEFINED THUS PROVIDING COVERAGE AGAINST LIABILITY FOR BODILY INJURY, DEATH, AND PROPERTY DAMAGE THAT MAY ARISE OUT OF OR BE BASED UPON ANY ACT OR OMISSION OF CONSULTANTS OR ANY OF THEIR EMPLOYEES, AGENTS OR SUBCONTRACTORS. PROOF OF SUCH COVERAGE MUST BE SUBMITTED WITH RESPONDENT'S PROPOSAL. PROOF SHALL INCLUDE CERTIFICATES FROM THEIR INSURERS INDICATING THE AMOUNT OF INSURANCE COVERAGE, THE NATURE OF SUCH COVERAGE, AND THE EXPIRATION DATE OF EACH APPLICABLE POLICY.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

8. IT IS THE RESPONDENT'S RESPONSIBILITY TO ENSURE ANY/ALL SUB-CONTRACTORS UTILIZED BY THE RESPONDENT COMPLY WITH ALL STIPULATIONS WITHIN THIS BID CONTRACT.

9. CONTRACTOR AGREES TO ADHERE TO ALL OF **PHCS** POLICIES AND PROCEDURES CONCERNING CODE AND CONDUCT WHILE ON **PHCS** PREMISES AND IS DIRECTLY RESPONSIBLE FOR ANY SUB-CONTRACTORS LEVERAGED BY THE PRINCIPAL CONTRACTOR REGARDING TO CONDITIONS, MANDATES, POLICIES, PROCEDURES, CODE, CONDUCT AND OTHER STIPULATIONS AS OUTLINE IN THIS BID CONTRACT DOCUMENT.

10. CONTRACTOR SHALL ONLY UTILIZE, AND IS REQUIRED FOR SERVICE/SUPPORT PURPOSES, TO PROVIDE TECHNICIANS HOLDING CERTIFICATIONS FOR THE PROPER WORK BEING PERFORMED WHILE ON **PHCS** PREMISES.

BID CONDITIONS (CONTINUED):

11. DUE TO A REQUIREMENT LEVIED ON THE SCHOOL FOR THIS PROJECT PREVAILING WAGES ***MUST*** BE LEVERAGED FOR ALL ITEMS WITHIN THIS BID, ADDITIONALLY, SECONDARY PRICING IS REQUIRED TO ADDRESS POTENTIAL "UNION" REQUIREMENTS…PLEASE PROVIDE PRICING FOR BOTH OPTIONS.

12. "INSTALLATION" FOR THE PURPOSE OF THIS BID CONTRACT IS DEFINED AS THE ACTIONS OF PICKING UP EQUIPMENT (ALL E-RATE ELIGIBLE) FROM **PHCS** AND DELIVERING IT TO THE PROJECT SITE UPON WHICH THE CONTRACTOR WILL ASSEMBLE AND MOUNT ALL IDENTIFIED EQUIPMENT (OR SIMILAR DEVICES) WITHIN THE DESTINATION RACKS AS IDENTIFIED ON THE NETWORK RISER ATTACHMENTS ACCOMPANYING THIS BID DOCUMENT. ADDITIONALLY, ALL PATCH CABLES MUST BE INSTALLED INTO THE EQUIPMENT (FIBER AND CAT 6/6A) AND LABELED/MANAGED ACCORDING TO SPECIFICATIONS. ACTUAL CONFIGURATION OF THE DEVICES WILL BE ADDRESSED VIA A SEPARATE CONTRACT WHICH DOES NOT PERTAIN TO THIS BID.

13. ***IN ACCORDANCE WITH FCC RULES, PROPOSALS THAT INCLUDE EQUIPMENT FROM HUAWEI OR ZTE, WILL BE DISQUALIFIED. PLEASE CONFIRM THAT YOUR RESPONSE DES NOT INCLUDE RELATED EQUIPMENT ITEMS FRONM THESE TWO MANUFACTURERS:***

I hereby confirm that this response is in alignment with the mandate noted above: "Y" or "N":_____

14. THIS BID CONTRACT DOCUMENT, BEING FULLY SIGNED AND DATED BY THE AWARDED RESPONDENT, IN ADDITION WITH A SIGNED AND DATED (BY BOTH PARTIES) "CONTRACT AGREEMENT" LETTER IS THE *ONLY* CONTRACT OF RECORD FOR THE SERVICES OUTLINED WITHIN. NO OTHER SUBMITTED OR SUBSEQUENT FORMS, DOCUMENTS,

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

MATERIALS, ETC. CAN/WILL SUPERSEDE, LIMIT OR NEGATE RESPONSIBILITIES, DELIVERABLES OR ANY OTHER ITEMS/CRITERIA IDENTIFIED WITHIN THIS DOCUMENT OR ADDITIONAL CORRESPONDING SUPPORT DOCUMENTATION.

NOTE OF VENDOR RESPONSIBILITY - IT SHOULD BE UNDERSTOOD THAT IT IS THE VENDOR'S RESPONSIBILITY TO NOTIFY THE SCHOOL DIRECTLY VIA E-MAIL *AND* PHONE CALL OF ANY ANTICIPATED AND/OR IDENTIFIED EXTENDED SERVICE OUTAGES AND/OR DELAYS. VENDOR WILL BE HELD RESPONSIBLE FOR ANY COSTS INHERITED BY THE SCHOOL DUE TO EXTENDED SERVICE DELAY(S) IF EFFORT TO COMMUNICATE SUCH DELAYS IS NOT EXTENDED IN A TIMELY FASHION.

INSTALLATION METHODOLOGY:

ALL INSTALLATION WORK DONE AS PART OF PROJECT(S) WILL CONFORM TO THE FOLLOWING GUIDELINES:

- LOCAL CODES
- LATEST EDITION OF THE NATIONAL ELECTRIC CODE
- LATEST EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE
- ANSI/TIA 568-C.0, C.1, C.3 AND ALL PUBLISHED ADDENDA
- ANSI/TIA/EIA 569-B AND ALL PUBLISHED ADDENDA
- ANSI/TIA/EIA 606-A
- ANSI-J STD-607-A
- ANSI/TIA/EIA-758-A
- THE CURRENT EDITION OF THE BICSI INSTALLATION TRANSPORT SYSTEM INSTALLATION REFERENCE MANUAL
- THE CURRENT EDITION OF THE BICSI TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL
- THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SPECIFICATIONS.

NOTE: WHERE CONFLICTS EXIST BETWEEN ANY TWO OR MORE REFERENCED GUIDELINES, THE ISSUE CAN BE RESOLVED BY USING THE ABOVE LIST. THE HIGHER THE REFERENCE IS LOCATED ON THE LIST, THE MORE AUTHORITY IT HAS WITH LOCAL CODES BEING HIGHEST AND MANUFACTURER'S GUIDELINES BEING THE LOWEST.

ALSO NOTE: *THE CONTRACTED VENDOR MUST PROACTIVELY IDENTIFY TO THE SCHOOL INVOICES THAT WILL BE SUBMITTED BY THE VENDOR TO E-RATE RE: SPI BILLING TO ENSURE ALIGNMENT WITH BID CONTRACT & 471 APPLICATION ALIGNMENT.*

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

WARRANTY:

MANFACTURER'S MATERIALS AND CORRESPONDING VENDOR'S WORKMANSHIP AS SPECIFIED AND FURNISHED SHALL BE FULLY GUARANTEED BY THE VENDOR FOR A MINIMUM OF YEARS (AS IDENTIFIED BY THE VENDOR IN THE PRICING SCHEDULE PORTION OF THIS BID) FROM TRANSFER OF TITLE AGAINST ANY DEFECTS. DEFECTS WHICH MAY OCCUR AS THE RESULT OF FAULTY MATERIALS OR WORKMANSHIP WITHIN ONE YEAR AFTER INSTALLATION AND ACCEPTANCE BY **PHCS** SHALL BE CORRECTED BY THE VENDOR AT NO ADDITIONAL COST TO THE OWNER. THE VENDOR SHALL PROMPTLY, AT NO COST TO THE OWNER, CORRECT OR RE-PERFORM (INCLUDING MODIFICATIONS OR ADDITIONS AS NECESSARY) ANY NON-CONFORMING OR DEFECTIVE WORK WITHIN ONE YEAR AFTER COMPLETION OF THE PROJECT OF WHICH THE WORK IS A PART. THE PERIOD OF THE VENDOR'S WARRANTY FOR ANY ITEM(S) SO DESCRIBED HEREIN ARE NOT EXCLUSIVE REMEDIES, AND **PHCS** HAS RECOURSE TO ANY WARRANTIES OF ADDITIONAL SCOPE GIVEN BY THE VENDOR TO THE OWNER AND ALL OTHER REMEDIES AVAILABLE AT LAW OR IN EQUITY. THE VENDOR'S WARRANTIES SHALL COMMENCE WITH ACCEPTANCE OF/OR PAYMENT FOR THE WORK IN FULL. THE VENDOR SHALL PROVIDE **PHCS** WITH A SAMPLE CERTIFICATION FORM TO BE SUBMITTED BY THE VENDOR TO THE MANUFACTURER TO PROCURE THE MANUFACTURER'S CERTIFICATION AND WARRANTY. ON COMPLETION OF THE WORK SAID CERTIFICATION AND WARRANTY WILL BE PROVIDED TO **PHCS** IN WRITING BEFORE FINAL PAYMENT IS MADE TO THE VENDOR.

IF THE VENDOR PROCURES EQUIPMENT OR MATERIALS UNDER THE CONTRACT, THE VENDOR SHALL OBTAIN FOR THE BENEFIT OF THE OWNER EQUIPMENT AND MATERIALS WARRANTIES AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP TO THE EXTENT SUCH WARRANTIES ARE REASONABLY OBTAINABLE.

THIS WARRANTY SHALL IN NO MANNER COVER EQUIPMENT THAT HAS BEEN DAMAGED OR RENDERED UNSERVICEABLE DUE TO NEGLIGENCE, MISUSE, ACTS OF VANDALISM, OR TAMPERING BY **PHCS** OR ANYONE OTHER THAN EMPLOYEES OR AGENTS OF THE VENDOR. THE VENDOR'S OBLIGATION UNDER ITS WARRANTY IS LIMITED TO THE COST OF REPAIR OF THE WARRANTED ITEM OR REPLACEMENT THEREOF, AT THE VENDOR'S OPTION. INSURANCE COVERING SAID EQUIPMENT FROM DAMAGE OR LOSS IS TO BE BORNE BY THE VENDOR UNTIL FULL ACCEPTANCE OF EQUIPMENT AND SERVICES.

ESTIMATED POTENTIAL SCOPE OF SERVICES:

PROJECTED NEEDS ARE AS FOLLOWS HOWEVER; NO SPECIFIC QUANTITIES ARE GUARENTEED. SCHOOL RESERVES THE RIGHT TO INCREASE/DECREASE QUANTITIES BASED ON NEEDS:

- NUMBER OF NEW CATEGORY-LEVEL (6 AND/OR 6A) CABLING DUEL (2) DROPS NEEDED: **TBD**
- NUMBER OF NEW CATEGORY-LEVEL (6 AND/OR 6A) CABLING SINGLE DROPS NEEDED: **TBD**
- NUMBER OF OUTDOOR CATEGORY 6 CABLING DUAL DROPS LOCATIONS: **3**

  (*BUSS PICKUP LANE AREA AND OUTDOOR LEARNING PAVILLION*)
- NUMBER OF NEW OM3/OM4 FIBER IDF/MDF CABLING CLOSET SCENARIOS NEEDED: **TBD**

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

FINAL ACCEPTANCE:

THE INFORMATION TRANSPORT SYSTEM WILL BE DEEMED ACCEPTABLE FOR FINAL ACCEPTANCE WHEN THE FOLLOWING CONDITIONS ARE MET:

- CABLES ARE 100% FREE OF DEFECTIVE PAIRS OF COPPER AND FIBER STRANDS (AS PER TESTING AND VISUAL INSPECTION)
- ANSI/TIA-568-C SERIES COMPLIANT TEST RESULTS ON ALL CABLING/WIRING ARE PROVIDED TO THE SCHOOL'S CONSULTANT AT ERATESUPPORT2026BIDRESPONSE@ADVANEDGESOLUTIONS.COM IN BOTH PAPER AND DIGITAL FORMAT
- WRITTEN CONFIRMATION AND RECEIPT OF WARRANTY SUBMISSIONS HAVE BEEN PROCESSED AND CONFIRMED THROUGH HUBBELL PREMISE WIRING/EQUIVALENT PROGRAM

BID SCORING CRITERIA:

RFP SCORING CRITERIA TO BE LEVERAGED FOR THIS SERVICE BID WILL BE AS IDENTIFIED ON THE BID SCORING CRITERIA WHICH IS LOCATED AT THE END OF THIS DOCUMENT. FOR ALL QUALIFYING BIDS (THOSE ABIDING BY STIPULATIONS RE: DISQUALIFIERS AS IDENTIFIED ON PAGE 2 OF THIS DOCUMENT) COST WILL BE THE HEAVIEST WEIGHTED FACTOR AS REQUIRED BY THE E-RATE PROGRAM.

Criteria #1: LOWEST COST FOR EQUIVALENT MINIMUM ITEM (50%)

Criteria #2: SCHOOL'S/DISTRICT'S PREVIOUS EXPERIENCE OR DISCOVERY PROCESSES WITH PEERS REGARDING PRODUCT AND/OR SERVICE PROVIDER (20%)

Criteria #3: SERVICE PROVIDER'S BID/E-RATE COMPLIANCE (20%)

Criteria #4: SERVICE PROVIDER'S SEAMLESS SOLUTION IN CONJUNCTION WITH SCHOOL TIMELINES, SCHEDULES AND PRIORITIES (10%)

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

PENN HILLS C.S. OF ENTREPRENEURSHIP (PHCS)
2501 MAIN STREET
PITTSBURGH, PA 15235-3644
470 BID #: YR300005 (CABLING SERVICES)

FINAL BID CONDITION - SERVICE PROVIDER MUST COMPLETE, SIGN *(AT THE AREAS MARKED WITH "**X**")* AND RETURN ONE HARD COPY OF THE ATTACHED "CONTRACT AGREEMENT" AND INCLUDE AN ELECTRONIC COPY (ON USB FLASH OR THUMB DRIVE) OF THE FILLED-OUT EXCEL SPREADSHEET (IN UNLOCKED EXCEL FORMAT) RENAMED WITH "***- (insert vendor name)***" AT END OF FILE NAME. ALSO, BE SURE TO RESPOND TO THE E-MAIL RESPONSE MANDATE STATED ON THE 1ST PAGE OF THIS DOCUMENT IN ITEM #3.

*NOTE THAT ONLY THE CONTRACT AREAS ON THE FOLLOWING PAGE MARKED WITH "**X**" ARE TO BE COMPLETED BY THE RESPONDENT, THE SCHOOL WILL COMPLETE THE REMAINING ITEMS*. CONTINGENT UPON AWARD OF THIS CONTRACT, THIS LETTER WILL BE RETURNED TO THE SELECTED VENDOR DUALLY SIGNED BY THE SCHOOL/DISTRICT AND WILL SERVE IN CONJUNCTION WITH THE RESPONDENT'S SIGNED BID PROPOSAL (I.E.: THIS DOCUMENT) AS THE OFFICIAL CONTRACT FOR SERVICES. ***ANY RESPONSES WHICH DO NOT INCLUDE SIGNATURES ON EVERY BID PAGE (AS INSTRUCTED), SIGNED CONTRACT AGREEMENT DOCUMENT (AS INSTRUCTED), AND/OR COMPLETED RESPONDENT SPREADSHEET RETURNED IN EXCEL FORMAT AND FILLED OUT AS INSTRUCTED WILL BE CONSIDERED INCOMPLETE AND NOT ACCEPTED.***

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

PENN HILLS C.S. OF ENTREPRENEURSHIP (PHCS)
2501 MAIN STREET
PITTSBURGH, PA 15235-3644
470 BID #: YR300005 (CABLING SERVICES)

CONTRACT AGREEMENT

RESPONDENT: *X*_____ SPIN: *X*_____

CONTRACT #: PHCS YR300005 **CONTRACT AWARD DATE: _____**

RE: PENN HILLS C.S. OF ENTREPRENEURSHIP CABLING SERVICES CONTRACT

BID #: PHCS YR300005 – CABLING SERVICES **TERM: APRIL 1, 2027– SEPTEMBER 30, 2030**

To Whom It May Concern:

This letter is to confirm with you the acceptance of your price quote/bid proposal for specific service items (as identified above) within your company's price quotation(s)/proposal in accordance with the school's Bid/Contract procedure referenced above. This dually signed letter along with your signed bid contract response constitutes the contract of record for these items/services. The term of the contract is defined by the "Contract Agreement" letter, no other agreement will supersede the indicated terms, conditions and/or pricing on this letter.

This purchase/service agreement is/may be contingent upon E-rate funding. Upon receiving such approval from the SLD the school will/may initiate service requests pursuant to the contract terms of the Bid and E-rate regulations. Awarding of funding from SLD does not guarantee the school will move forward with the acquisition of services and/or equipment bid items, whether in-whole or part. Please note that there may be numerous service requests leveraged against the pricing submitted within the accepted bid response to address various site/office requirements. Services will have E-rate ramifications and cannot be received before **April 1st, 2027** (beginning service contract date) with a post **July 1st 2027 invoice date**. Contract agreement covers a 2+ year period to address any delays in E-rate funding award. An additional 1-year contract extension may be executed if delays in E-rate funding notification/project(s) and/or extenuating circumstances (i.e.: COVID, etc.) establish such a need. Note that any/all issued invoices for services with E-rate ramifications will only reflect the school's "Fair-share" portion of said purchase when applicable. The Vendor is responsible for invoicing the E-rate program directly for the funded portion of the identified services (as specified within the Bid). Thus the school should receive discounted invoices reflecting its fair-share amount of the monthly invoices and/or one-time non-recurring costs. Your support in abiding by these SLD (E-Rate) and school-imposed restrictions and procedures are required and greatly appreciated. Note that the school has reserved the right to increase/decrease the quantities and/or levels of services/items as specified within the Bid/contract.

In acceptance of these terms and conditions, please sign below:

Authorized vendor representative confirmation:

***[Signature]: X*_____ *[Name & Title]: X* _____**

Authorized School representative:

***[Signature]:* _____ *[Name & Title]:* _____**

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us during the period of time identified within the contract. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: _____

Signature: _____ Date: _____

Printed Name/Title: _____

Phone Number: _____ E-Mail:_____

Vendor Project Contact Name/E-Mail: _____

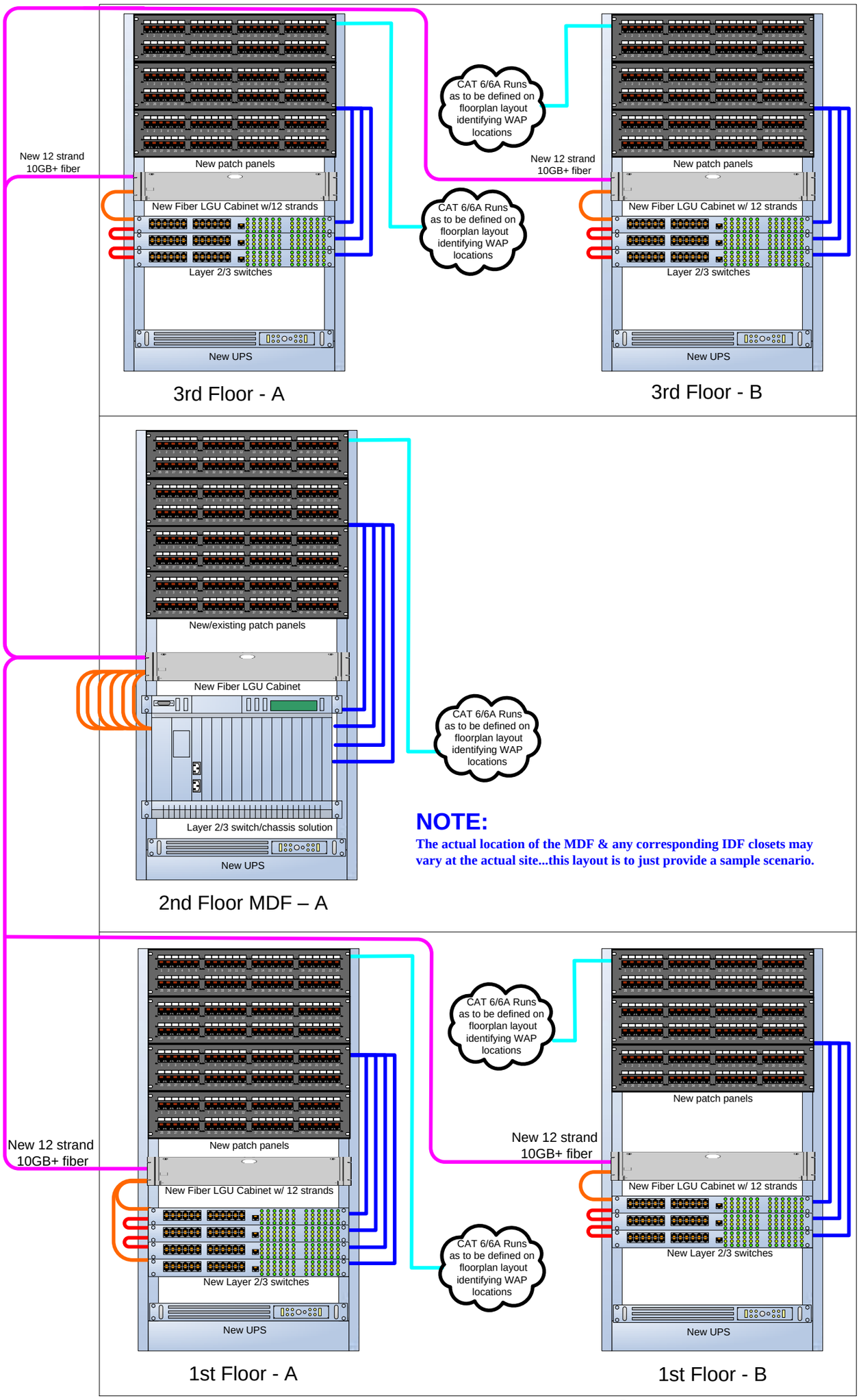
Attachment A -

FLRPLAN & RISER

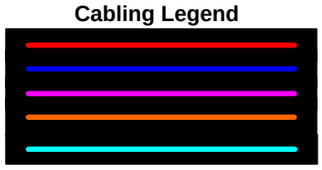
Sample Riser Scenario

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*NOTE: The following Network layout is meant to display the network scheme...and not actual network plan/layout to be installed. Please note that equipment will be provided to the cabling contractor at time of completion of job for connectivity and cabling management portion of this project The drawing is not to scale. References to floor plan layouts are in regards to post-award walk-throughs where final locations will be noted.



Cabling Legend



Red - CAT 6/6A Uplink Cable

Blue - CAT 6/6A Patch Cables

Pink -12 Strand 10GB+ Fiber

Orange - Fiber Patch Cables

Lt. Blue -CAT 6/6A Run

NOTE: VENDOR SIGNATURES REQUIRED AT BOTTOM

Note: All new drops should run to the closest existing or to be installed IDF/MDF network closets on the floors they reside unless otherwise pre-identified by vendor in writing (stating challenges/justifications) and approved by school.

Narrative Section:

It is the goal of this Bid Contract Project(s) and supplied specifications/diagrams to provide a complete workable LAN system. Any item not specifically shown on the riser or called for in the specifications, but normally required conforming to this intent, are to be considered a part of the contract. The risers and specifications are not intended as a complete materials list of items required by the contractor.

Contractor must provide all items and work indicated within all documentation submitted with this RFP process (and via a scheduled site evaluation visit as identified within the RFP) and all items and work called for in the specifications. This includes labor, materials, incidentals, equipment, appliances, services, tools, test equipment, supervision, consumable items, fees, licenses, insurance, etc., to provide a complete cabling system. No “change-orders” or additional charges can be levied against this project unless there is a written and signed document detailing and requesting such changes. Any costs above and beyond the submitted amount from the contractor for this project will be absorbed by the contractor unless changes/additions are made by school post-RFP award.

Cable Specs:

Intra-building UTP:

All cabling must meet IEEE specs for CAT 6 (or greater) plenum cabling. Corresponding patch panels and wall jacks are also to be rated accordingly for the Category cabling specifications. All horizontal cable used must meet or exceed the requirements of ANSI/TIA 568-C.0, .1, .2, .3 and must be BerkTek LANmark-1000 Category 6/6A/7, CMP rated, unshielded twisted pair (UTP) or equivalent which is recognized under the Hubbell Warranty/Certification Program or an equivalent certification. Any Category 6A cabling must be BerkTek LANmark-XTP CMP rated, Unshielded Twisted Pair (UTP) or equivalent which must also be recognized under the Hubbell Warranty/Certification Program or equivalent certification.

All copper termination hardware and modular jacks will meet or exceed the requirements of ANSI/TIA 568-C.0, C.1, C.2 and will be Category 6 and/or Category 6A, T568-B pin out. All termination hardware used for UTP will be from Hubbell Premise or equivalent and will carry a twenty-year (minimum) warranty. The installation will be certified as a manufacturer certified installation on completion of the project.

AUTHORIZED VENDOR REP. SIGNATURE:_____

PRINTED REP. NAME/COMPANY:_____

NOTE: VENDOR SIGNATURES REQUIRED AT BOTTOM

Patch Cords:
All patch cables must be booted Category 6 or greater and shall be color coded as specified. All patch cables must be three (3) foot in length at the patch panel and ten (10) foot in length at the wall jack. All patch cables required must be provided by the contractor.

Intra-building Fiber:
12 strand Multi-mode OM3/OM4 plenum backbone cable of 10 GB or greater specifications capable of providing 10Gbs Ethernet up to 300 meters, from the main MDF to each IDF unless a 62.5 solution is identified instead as TBD/specified by the school. High-strength. Physical specifications minimum of 62.5/125 or 50 micro, tight buffered, multi-mode optical fiber cable. 900 micro buffer, EIA/TIA 568, IEEE 802 compliant. In addition, an optical fiber backbone cable shall be sized to provide a minimum of six (6) strands of 8.3/125μm, OFCP, tight buffered cable, capable of operating at 1310nm, 1450nm, 1550nm and 1650nm wavelengths where warranted within the building/school campus.

The model numbers for intrabuilding backbone cabling used shall be as follows:

- BerkTek Armor-Tek GIGAlite-10 12 strand – PDPK012EB3010/F5 or equivalent
- BerkTek Armor-Tek 6 strand (or greater if specified) SM - PDPK006AB0707 or equivalent

Fiber patch cords:
Length to be 1 meter…Final patch cable specifics/needs should be verified with equipment contractor/school prior to ordering to ensure coordination between the network fiber termination and the actual equipment needs.

Labeling:
All cable types are to be labeled *at both ends* with machine generated black uppercase lettering on a permanent adhesive label stock, covered with a permanent water resistant sealer. Patch cords at the patch panel should be labeled with the corresponding room and drop number (ex. 101-1). Fiber patch cords should be labeled with the room and switch number of the corresponding equipment (ex. IDF-100 SW-1).

Color codes for Patch Cables:

- All patchpanel-to-equipment cables are to be ***Blue*** except those that are for WAPs which should be ***Yellow***. All cables should be managed neatly and utilize acceptable cable-management components.
- All CAT 6 (or greater) cables used for equipment uplinks must be ***Red***, labeled as specified and managed

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- All cables from the wall jacks located in the various rooms for attaching equipment to the network do not have to be labeled, but must be a minimum of 10 feet in length, CAT 6 or greater rated and booted at both ends and ***Grey*** in color.

Testing:

All final test reports shall be notarized. The original and two copies shall be turned over to the owner at time of project completion and an electronic copy e-mailed to eratesupport2019@advanedgesolutions.com with the ***"(school name) YR220005 CABLING SERVICE TEST RESULTS***" noted in the subject line.

After installation of fiber connectors, visually inspect each fiber end-face at 10X magnification. Refinish any fibers showing visible defects and/or striations in the core area. Perform end-to-end, bi-directional attenuation (loss) test for each fiber strand at 850nm and 1300nm wavelengths. Conduct tests in accordance with EIA/TIA-525-14, method B and with test instrument manufacturer's printed instructions. All Intra-building CAT 6 or greater cabling shall be tested end-to-end.

Documentation:

Contractor is responsible for providing electronic documentation of network cabling location terminations (by rack) and corresponding final network layout.

Basic Network Structure Summary:

The network cabling infrastructure being requested will consist of the following deliverables unless otherwise noted:

- 12 strand OM3/OM4 vertical fiber backbone to run from each new IDF network closet (one total run)…terminating in the Ground floor network MDF closet. Fiber must be enclosed in inter-duct and draw-cord must be intact within interdict upon completion of job. All fiber must be labeled at both ends with wrap-around, tear-resistant labeling. No use of any existing occupied interduct is permitted.

- All Network IDFs/MDF require a wall-mounted, deep rack (22" or greater) which must be mounted on 3/4" plywood which must be painted to match (somewhat) the original background wall. Mounted unit should be capable of safely supporting all equipment including a UPS. In the event that the school requires a floor-mounted (enclosed or open design) then said racks must be provided accordingly at either no cost, or a cost must be provided as part of the Bidder's bid response.

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- Any required network down-time **MUST** be pro-actively coordinated with the school's Technical Support staff/resource in writing/via e-mail.

- Location of all rack assemblies to be installed should be placed so that existing electrical outlets can be leveraged where the opportunities exist.

- *Contractor is responsible for addressing all conduit and/or fiber inter-duct needs as part of their submitted pricing.* ***ALL CONDUIT AND JUNCTION BOXES MUST BE SECURELY FASTENED WITH APPROPRIATE SCREWS, WASHERS AND/OR WALL-MOUNTING SYSTEMS…ADHESIVE-ONLY INSTALLATIONS ARE NOT ACCEPTABLE.*** All corners and room-to-room or junction box terminations must me neatly metered with no exposed cabling.

- All cables must be managed at the IDF/MDF closets with industry acceptable components such as cable guides, Velcro, wire ties, conduit and cabling trays. Use of tape, string, wire and other similar materials will not be accepted. ***If in doubt ask for approval before installing!!!***

- *Contractor is responsible for all trash removal and clean-up at the end of every shift so as not to impede everyday school operation. Use of drop clothes/tarps strongly suggested to ensure that dust/debris is managed accordingly.*

- It is the contractor's responsibility to address all aspects of aesthetics in regards to repairing cracks, holes and similar defects; including touch-up painting where needed which are direct results of the contracted work being performed.

- Contractor is responsible of migration of any existing drops, panels or other network components and incorporating them into the new network scheme/scenario being implemented.

- A post-job inspection will be done before final signoff to ensure that all specifications, labeling standards, terminations and defined deliverables are met.

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Grounding and Bonding

All grounding and bonding for this project will be in accordance with the requirements of ANSI J Std-607-A, current edition/version of the National Electric Safety Code and the latest edition of the National Electric Code. All provisions contained in these three documents referencing "should", "would", "could", etc. implying suggested actions. These references are mandatory in regards to all project(s) cabling scope.

All racks and metals are to be tied into the Telecommunications Bonding Backbone. All active equipment within the equipment racks is to be grounded as well in the event they need said grounding due to not being incorporated as part of the total rack solution (attached via bolds to rack).

Equipment/Component List (To Be Provided by Cabling Contractor) Appropriately Rated as per Latest Specifications via the Standards Identified within the Bid:

24 Port CAT 6 (or greater) Patch Panels: **TBD by Contractor**
48 Port CAT 6 (or greater) Patch Panels: **TBD by Contractor**
96 Port CAT 6 (or greater) Patch Panels: **TBD by Contractor**
Wall-mount Network Racks: **TBD by Contractor**
Floor-mount open or enclosed Network Racks: **TBD by Contractor/School during post-award walk-through**
Fiber Distribution Panels w/Connectors: **TBD by Contractor**
IDF/MDF 3 ft. Blue Booted CAT 6 (or greater) Patch Cables: **TBD by Contractor**
IDF/MDF 3 ft. Red Booted CAT 6 (or greater) Patch Cables: **TBD by Contractor**
Fiber Patch Cables: Quantity & any length adjustments from spec to be determined by Contractor
Wall Jack CAT 6 (or greater) 10 ft. Yellow Booted Patch Cables: **TBD by Contractor**
12-ST (12 fibers) OM3/OM4 Multimode Rack Mount Fiber Cabinets: **TBD by Contractor**
24-ST (24 fibers) OM3/OM4 Multimode Rack Mount Fiber Cabinets (MDF Location): **TBD by Contractor**
CAT 6 (or greater) Jacks: **TBD by Contractor**
CAT 6 (or greater) Wall Plates: **TBD by Contractor**
CAT 6 (or greater) Patch Cables w/ Boots 10ft. Grey: **TBD by Contractor**
CAT 6 (or greater) Patch Cables w/ Boots 3-5ft. Blue: **TBD by Contractor**
CAT 6 (or greater) Patch Cables w/ Boots 3ft. Red: **TBD by Contractor**
CAT 6 (or greater) Patch Cables w/ Boots 3-5ft. Yellow: **TBD by Contractor**
3Meter SC-LC MMF Patch Cables: **TBD by Contractor**
Single Mode patch cables as/if needed at 3 Meter length: **TBD by Contractor**
(Bulk) CAT 6 (or greater) Solid Plenum Rated Cable as per min. specifications: **TBD by Contractor**
(Bulk) 6-12 strand MMF as per min. specifications: **TBD by Contractor**
(Bulk) 6 (or less if warranted) strand SMF as per min. specifications: **TBD by Contractor**

*** Any/All spare cables to be given directly to school technical staff**

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NOTE: The above list is to be used as a reference guide to assist in the bidding process. It should be noted that the list is only provided to assist in the evaluation process and is not necessarily a comprehensive list of all materials required to complete the project. The Contractor is responsible for identifying and providing ***all*** required components in sufficient quantities necessary to complete the project within the specifications outlined in the RFP Contract. No additional add-on costs will be permitted outside of the "Per drop/per closet" pricing provided in the Bid response submitted by the awarded contractor for this Bid Project. Thus, said submitted pricing should take into consideration not only the labor but all related materials. ***Omission of any item needed to complete the project is solely the responsibility (purchase and payment) of the contractor unless change in scope by the school dictates additional post-e-rate application submittal cost adjustment. Any such challenge must be pro-actively identified by the contractor in writing before implementation and be approved before execution.***

The following E-Rate acquired electronics may/will be provided by the school to the contractor at time of installation so all equipment/components can be assembled for a full operating system:

- 24-48 Port Switches (POE and non-POE)
- 12 Port SFP Switches
- Assorted Switch Modules
- Wireless Access Points (to be mounted by Cabling Contractor at defined locations)
- Rack Mount UPS Devices

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