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Miami-Dade County Public Schools

School Board Administration Building
1450 Northeast Second Avenue
Miami, Florida 33132

Direct all inquiries To
Procurement
Management Services

BUYER NAMED:

Linda Cantin

PHONE: (305) 995-1364

TDD PHONE (305) 995-2400

BIDDER QUALIFICATION FORM

BID NO. 105-CC04 BID TITLE WIRELESS NETWORKS, TELECOMMUNICATION, (FURNISH & INSTALL)
BIDS WILL BE ACCEPTED UNTIL 2:00 P.M. ON July 17, 2003 IN ROOM 351,
SCHOOL BOARD ADMINISTRATION BUILDING, 1450 NE 2ND AVENUE, MIAMI, FL. 33132, AT WHICH TIME THEY WILL BE
PUBLICLY OPENED. BIDS MAY NOT BE WITHDRAWN FOR 120 DAYS AFTER OPENING. (REFER TO INSTRUCTIONS TO
BIDDERS, para.IV.B.)

THE SUBMISSION OF THE BID BY THE VENDOR, ACCEPTANCE AND AWARD OF THE BID BY THE SCHOOL BOARD OF
MIAMI-DADE COUNTY, FLORIDA, AND SUBSEQUENT PURCHASE ORDERS ISSUED AGAINST SAID AWARD SHALL
CONSTITUTE A BINDING, ENFORCEABLE CONTRACT. UNLESS OTHERWISE STIPULATED IN THE BID DOCUMENTS, NO
OTHER CONTRACT DOCUMENTS SHALL BE ISSUED.

I. A. BIDDER CERTIFICATION AND IDENTIFICATION. (SEE INSTRUCTIONS TO BIDDERS, para. I. A.2.)

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person
submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I
agree to abide by all conditions of this bid; and I certify that I am authorized to sign this bid for the bidder.

B. Vendor certifies that it satisfies all necessary legal requirements as an entity to do business with the School Board of
Miami-Dade County, Florida.

II. INDEMNIFICATION

The Bidder shall hold harmless, indemnify and defend the indemnities (as hereinafter defined) against any claim, action,
loss, damage, injury, liability, cost or expense of whatsoever kind or nature including, but not by way of limitation,
attorney's fees and court costs arising out of bodily injury to persons including death, or damage to tangible property
arising out of or incidental to the performance of this Contract including goods and services provided thereto) by or on
behalf of the Bidder, whether or not due to or caused in part by the negligence or other culpability of the indemnity,
excluding only the sole negligence or culpability of the indemnity. The following shall be deemed to be indemnities: The
School Board of Miami-Dade County, Florida and its members, officers and employees.

III. PERFORMANCE SECURITY. Refer to INSTRUCTIONS TO BIDDERS, para I.A.1., and VI., and check (x) below:

WHEN PERFORMANCE SECURITY IS REQUIRED I WILL FURNISH A:

Performance Bond _____ Check (Cashier's, Certified, or Equal) _____

PLEASE TYPE OR PRINT BELOW

LEGAL NAME OF VENDOR : _____

MAILING ADDRESS : _____

CITY, STATE, ZIP CODE : _____

TELEPHONE NUMBER : _____ FAX # _____

BY: SIGNATURE (ORIGINAL) : _____ DATE _____

OF AUTHORIZED REPRESENTATIVE _____

NAME (TYPED) : _____ TITLE _____

OF AUTHORIZED REPRESENTATIVE _____

INSTRUCTIONS TO BIDDERS

I. PREPARING OF BIDS

A. BIDDER QUALIFICATION FORM qualifies the bidder and the bid and must be completed and submitted as page 1 of the bid.

1. PERFORMANCE SECURITY. The form of performance security the bidder will submit, when required to do so, must be furnished. Performance security shall not be submitted with the bid.

2. BIDDER CERTIFICATION AND IDENTIFICATION. Bid must contain an original manual signature from an authorized representative. An unsigned bid will be considered non responsive.

B. INSTRUCTIONS TO BIDDERS define conditions of the bid.

1. ORDER OF PRECEDENCE. Any inconsistency in this bid shall be resolved by giving precedence in the following order:

- A. Specifications
- B. Special Conditions
- C. Instructions To Bidders

2. FOR MWBE designated bids. The SPECIAL CONDITIONS-Minority/Women owned and controlled Business Participation Statement and the MWBE Certification Application MUST be completed and SUBMITTED with the bid if the bidder is not certified by Miami-Dade County Public Schools. Failure to submit the completed application with the bid will be considered non responsive.

C. BID PROPOSAL FORM defines requirement of items to be purchased, and must be completed and submitted as page 2 and subsequent pages, if any, of the bid. The bidder should indicate his/her name in the appropriate space on each page.

1. ITEM SPECIFICATION. Specifying a certain brand, make or manufacturer is to denote the quality, type, and standard of the article desired. Articles offered must be new merchandise only, of equal or superior grade. On blank lines provided, the bidder is requested to insert the brand name, manufacturer's number and other information necessary to sufficiently identify article offered. Failure to do so may prevent consideration of the item. Also, refer to paragraph IX: Packaging.

2. PROTEST OF SPECIFICATIONS. Bidders and proposers may file letters of protest which shall serve as a notice of protest, with the School Board Clerk, and the Bureau of Procurement and Materials Management, within 72 hours prior to the date and hour specified in the Bidder Qualification Form for receipt of bids. The letters of protest will be reviewed by the Bureau of Procurement and Materials Management and will offer the protesting bidder the opportunity to meet and discuss the merits of the protest. If the protest is not resolved, the bidder may seek an administrative hearing pursuant to § 120.569 and 120.57, Fla. Stat., by filing a formal written protest within 10 days after filing the notice of protest. Petitions for hearing on protests pursuant to § 120.569 and 120.57, Fla. Stat., must be filed in accordance with School Board Rule 6Gx13- 8C1.06d. Failure to file a timely notice of protest or failure to file a timely formal written protest shall constitute a waiver of the proceedings. This provision supersedes and governs over any conflicting provision in this document.

3. PRICES. Prices are requested in units of quantity specified in the bid specifications. In case of a discrepancy in computing the total amount of bid, UNIT PRICE quoted will govern. All prices bid shall include delivery F.O.B. destination, freight prepaid (bidder pays and bears freight charges. Bidder owns goods in transit and files any claims) and shall include all cartage, drayage, packing, etc., delivered to and unloaded at the receiving station at the site designated in BID PROPOSAL FORMS and there received by the designated agent of the Board.

4. TAXES. The Board does not pay Federal Excise and State taxes on direct purchases of tangible personal property. The applicable tax exemption number is shown on the purchase order. This exemption does not apply to purchases of tangible personal property made by contractors who use the tangible personal property in the performance of contracts for the improvement of Board owned real property as defined in Chapter 192 of the Florida Statutes.

II. SUBMITTING OF BIDS

A. BID FORMS AND ENVELOPES. Bids must be submitted on forms furnished by the Board and in sealed envelopes. Envelopes must be clearly marked with bid number, bid title and bid opening.

B. ERASURES OR CORRECTIONS. When filling out the bid proposal form, bidders are required to use a typewriter or complete bid proposal in ink.

1. Use of pencil is prohibited.
2. Do not erase or use correction fluid to correct an error.
3. All changes must be crossed out and initialed in ink.

Those bids for individual items that do not comply with items 1, 2 and 3 above will be considered non-responsive for that item(s).

C. PLACE, DATE AND HOUR. Bids shall be submitted by U.S. Mail, Courier/Express Service, or deposited in the BID BOX located in Room 351, 800 A.M. to 4:30 P.M., Monday through Friday, SCHOOL BOARD ADMINISTRATION BUILDING, 1450 N.E. Second Avenue, Miami, Florida 33132. Bids received after the date and hour specified in the BIDDER QUALIFICATION FORM will not be considered.

D. PUBLIC ENTITY CRIMES. Section 287.133(2)(g) Florida Statute. A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

E. SUBMITTING A "NO BID." If not submitting a bid at this time, return the form entitled "NOTICE TO PROSPECTIVE BIDDERS." Failure to respond, either by submitting a bid or the "NOTICE TO PROSPECTIVE BIDDERS" form for three consecutive times may result in your company being removed from the School Board's bid list.

F. AVAILABILITY OF BID INFORMATION. Immediately following the public opening, bids will be read, upon request, and then compiled in a tabular form, a copy of which will be available for examination in Procurement Management and Materials Testing.

III. CANCELLATION OF BIDS OR REQUEST FOR PROPOSALS

An invitation for bids or Request For Proposals, or other solicitations may be canceled, in whole or in part, as may be specified in the solicitation, when it is in the best interest of the Board. The reasons shall be made a part of the master bid file.

A. Prior to opening, a solicitation may be canceled in whole or in part, prior to the date and hour specified in the Bidder Qualification Form for receipt of bids, when the Associate Superintendent, Bureau of Procurement and Materials Management, determines in writing that such action is in the best interest of the Board for reasons including, but not limited to:

1. The Board no longer requires the supplies, services, or construction;
2. The Board no longer can reasonably expect to fund the procurement;
3. A review of a valid protest filed by a bidder as may be determined by the administrative staff; and
4. Proposed amendments to the solicitation would be of such magnitude that a new solicitation is desirable.

B. When a solicitation is canceled prior to opening, notice of cancellation shall be sent to all businesses solicited, via facsimile or mail and bids or proposals returned to the vendor unopened.

C. The notice of cancellation shall:

1. Identify the solicitation;
2. Briefly explain the reason for cancellation; and
3. Where appropriate, explain that an opportunity will be given to compete on any re-solicitation on any future procurements of similar supplies, services, or construction.

IV. CHANGE OR WITHDRAWAL OF BIDS

A. PRIOR TO BID OPENING. Should the bidder desire to change or withdraw his/her bid he/she shall do so in writing. This communication is to be received by the District Director, Division of Procurement Management and Materials Testing, Room 364, School Board Administration Building, prior to date and hour of bid opening. The bidder's name, the bid number, the bid title and the date the bid is due must appear on the envelope.

B. AFTER BID OPENING. After bids are opened, they may not be changed, nor withdrawn for 90 days after the determined opening date unless otherwise specified on the "BIDDER QUALIFICATION FORM."

C. FAILURE TO ACCEPT BID AWARD. Bidders who, prior to the Bid Award by The School Board of Miami-Dade County, Florida, indicate that they are unable to accept the bid award shall either:

1. Pay to the Board, as liquidated damages an amount equal to 5% of the unit price bid times the quantity, or \$10, whichever amount is larger, or
2. Lose eligibility to transact new business with the Board for a period of 14 months from the date the Board acts on the withdrawn bid.

V. AWARDS

A. RESERVATION FOR REJECTION OR AWARD. The Board reserves the right to reject any or all bids, to waive irregularities or technicalities, and to request rebids. The Board reserves the right to award on an individual item basis, any combination of items, total low bid or, if an alternate bid is accepted, on such terms as are specified for the alternate bid, whichever manner is in the best interest of the Board.

B. AWARD RECOMMENDATION. Bidder/Proposer information phone lines have been established in Procurement Management. Bidders/proposers may call 995-1375, each Friday, to be advised of the recommended bidders or proposers and the time it is contemplated that the recommendation will be made. This information will be provided by school system staff as available. In no case will information as to a recommended bidder/proposer be available later than the Friday preceding the week when the award is scheduled to be made by the School Board or the Superintendent.

Bidders and proposers may file letters of protests, with the School Board Clerk, within 72 hours after the posting of the bid tabulation or receipt of notice of the Board's decision or intended decision. The letters of protest will be reviewed by the Bureau of Procurement and Materials Management and will offer the protesting bidder the opportunity to meet and discuss the merits of the protest. If the bidder is not satisfied with the response to the protest, he/she may invoke the provisions of §§ 120.569 and 120.57, Fla. Stat. Petitions for hearings on protests pursuant to §§ 120.569 and 120.57, Fla. Stat., must be filed in accordance with School Board Rule 6Gx13-8C-1.064. Protests filed later than the date specified herein shall constitute a waiver of proceeding under Chapter 120 Florida Statutes. This provision supersedes and governs over any conflicting provision in this document.

C. OFFICIAL AWARD DATE. Awards become official when made unless otherwise specified in the award recommendation.

D. PURCHASE ORDERS. Purchase orders mailed to successful bidders are the official notification to deliver materials described therein; and the time allowed for delivery begins with the date of the purchase order. In the event that the successful bidder fails to deliver the materials in accordance with the terms and conditions of the bid and purchase order, the bidder shall be considered in default of the contract and subject to the default provisions stated in Instructions to Bidders, Section V. E.

E. DEFAULT. In the event of default, which may include, but is not limited to non-performance and/or poor performance, the awardee shall pay to the Board as liquidated damages an amount equal to 10% of the unit price of the item(s) awarded, times the quantity when no purchase order has been issued, 10 percent of the purchase order when a purchase order has been issued or \$100, whichever is greater. Where no performance bond or check has been required, each awardee who fails to pay the liquidated damages within 15 days after it is invoked shall lose eligibility to transact new business with the Board for a period of 14 months from date of termination of award by the Board.

Bidders who are determined ineligible may request a hearing pursuant to §120.569 Fla. Stat., and School Board Rule 6Gx13-8C-1.064.

The Board reserves the right to waive liquidated damages/loss of eligibility.

F. The intent of the bid documents is to include only the written requirements for materials, equipment, systems, standards and workmanship necessary for the proper execution and completion of the work by the Bidder. The bid documents shall not be construed to create an entitlement to any other scope of work except as specified herein.

VI. PERFORMANCE SECURITY (FOR SUCCESSFUL BIDDERS ONLY)

A. PURPOSE. A performance bond or check may be required to guarantee performance.

B. BONDING COMPANY. Performance Bonds shall be written through a reputable and responsible surety bond agency licensed to do business in the State of Florida and with a surety company or corporation meeting both of the following specifications:

1. Awards Greater than \$100,000

A minimum rating in the latest revision of Best's Insurance Reports of:

Contract Amount	Minimum Rating by A.M. Best
\$ 500,000.01 to \$2,500,000	None
\$2,500,000.01 to \$5,000,000	B + or NA-3
	No Minimum Class
\$5,000,000.01 to \$10,000,000	A- Class IV
\$10,000,000.01 or more	A- Class V

Current certificate of authority as acceptable surety on Federal Bonds in accordance with the latest edition of the United States Treasury Department Circular 570 entitled "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" shall be accepted for an amount not exceeding the underwriting limitation thereon.

2. Awards of \$100,000 or less

Bonds shall be written with a surety company or corporation meeting the qualifications as set forth in Paragraph VI.B. above or the qualifications set forth in section 287.0935, Florida Statutes.

C. AMOUNT. When required as defined therein, the firm or individual(s) to whom an award has been made shall execute and deliver to The School Board of Miami-Dade County, Florida, a Performance Bond, Cashier's/Certified Check, or equal.

1. Awards less than \$200,000 shall be exempt from performance security.

2. Performance security shall not be required unless otherwise defined in the bid specifications. If Performance security is required, it shall equal 100% of the award amount.

D. RELEASE OF PERFORMANCE SECURITY. Return to the Awardee of his/her cash security, or notification to the Awardee and the bonding company to cancel the performance bond, will be made when all goods/services have been accepted and invoices have been approved for payment.

VII. SAMPLES.

When bid samples are required, the buyer will notify bidder to submit samples of the items bid in accordance with the following procedures.

A. All samples must be identified with the bidder's name, bid number, item number, and product name and number. Where non-compliance with this requirement is noted, said item may be considered as being unidentifiable and may not be eligible for consideration in the award recommendation.

B. All samples are to be delivered within 7 calendar days after receipt of notification from buyer, unless otherwise stated in the Special Conditions of the bid. If the bidder does not submit samples by the date and time indicated by the buyer, the bid submitted for that item may not be considered for award.

C. Bidder must obtain, from Materials Testing and Evaluation, a signed receipt acknowledging delivery of samples. Bidder shall include a self-addressed, stamped envelope for return of sample receipt when submitting samples by mail or delivery service. The bidder will receive the original copy of the receipt and the duplicate copy will remain with the Miami-Dade County Public Schools receiving department as the file copy. Bidder shall be solely responsible for delivery of samples and for retaining sample delivery receipts, which must be presented in any dispute regarding receipt of bid samples.

Revised February 2001

D. Samples should be delivered to the following address:

MIAMI-DADE COUNTY PUBLIC SCHOOLS
MATERIALS TESTING AND EVALUATION
7040 West Flagler Street
Miami, Florida 33144
Telephone Number: (305) 995-3290

Miami-Dade County Public Schools will not be responsible for samples sent to a location other than the location mentioned in the Bid.

E. PAYMENT FOR SAMPLES. The Board will buy no samples and will assume no cost incidental thereto.

F. RETURN OF SAMPLES. Samples not destroyed in testing may be claimed by unsuccessful bidders 14 days after bid award date and by successful bidders 14 days after final payment; but the Board will assume no responsibility for samples not claimed within the time specified, and it will pay for no samples damaged in testing.

G. EVALUATION AND TEST RESULTS. Interested bidders should contact the buyer, prior to the recommendation for award, to determine whether the item(s) submitted complies with the specifications requirements. If the item(s) does not comply, the buyer will advise the bidder to contact Materials Testing and Evaluation for further details.

VII. SUBSTITUTIONS. Should the bidder find it necessary to use a material, equipment, product or system other than specified, the bidder shall secure from the Board, through the Bureau of Procurement and Materials Management, written approval for the use of the alternate materials, equipment, product or system. The Board is not obligated to approve requests for substitutions and has the discretion to require the bidder to provide the materials as specified in the bid documents. In no case shall the bidder be entitled to additional time and/or money arising out of the Board's failure to approve requests for substitutions.

IX. PACKAGING

A. TYPE. If packaging is different from that specified, the bidder must note the manner and amounts in which packaging is to be made; otherwise the successful bidder shall furnish packaging as specified. All packaging, wrapping and bundling shall be adequate to insure that materials will be received in undamaged condition. The Board assumes no responsibility for damages of any kind incurred in transit.

B. CONTAINER IDENTIFICATION. The following identification shall be printed, stenciled or legibly written in a conspicuous location on each shipping container:

1. BID NUMBER AND/OR PURCHASE ORDER NUMBER
2. VENDORS NAME AND/OR TRADEMARK
3. NAME(S) OF ITEM(S) CONTAINED
4. ITEM NUMBER(S) WITH QUANTITY(IES)

X. PURCHASES BY OTHER PUBLIC AGENCIES.

With the consent and agreement of the successful bidder(s), purchases may be made under this bid by Metropolitan Dade County, Florida, and other governmental agencies or political subdivisions within the State of Florida. Such purchases shall be governed by the same terms and conditions stated herein. This agreement in no way restricts or interferes with the right of any State of Florida Agency or political subdivision to rebid any or all of these items.

XI. RECYCLING REQUIREMENTS.

Miami-Dade County Public Schools supports recycling and recommends the use of recycled products where possible. Vendors are requested to submit a letter, along with their bid, indicating whether each item bid and/or its packaging contain pre-consumer or post-consumer waste, and if the product and/or packaging may be recycled.

XI. ENVIRONMENTAL PRODUCTS.

Miami-Dade County Public Schools encourages the use of environmentally safe products.

XII. DELIVERY AND BILLING

A. DELIVERY. Saturdays, Sundays, and holidays excepted, deliveries shall be made as follows: Schools and Departments - 8:00 A.M. to 3:00 P.M. Merchandise shall be unloaded at the receiving station of the designated delivery point and received there by a designated agent of the Board. A delivery ticket, or one copy of the invoice, prepared as indicated below, shall accompany each delivery.

B. RECEIVING INSPECTION AND TESTING. Delivered items which do not fulfill all requirements will be rejected. Rejected items shall be removed and replaced promptly by the vendor at no cost to the purchaser.

C. INVOICES. Each invoice shall be issued by the successful bidder and shall be submitted in DUPLICATE to the Accounts Payable Section, P.O. Box 01-2570, Miami, Florida 33101. To be considered for payment each invoice must show the following information which appears on the Purchase Order:

- | | |
|--|----------------------|
| 1. Purchase Order Number | 2. Item Descriptions |
| 3. Quantities and Units | 4. Price Extensions |
| 5. Total Price of all items on the invoice | |

D. PAYMENT. Unless otherwise specified by Miami-Dade County Public Schools, payment will be made only after delivery, authorized inspection, and acceptance. Payment will be made only to the successful bidder unless otherwise requested in writing by the successful bidder and accepted by Miami-Dade County Public Schools Administration. When bidders are directed to send invoices to a school, the school will make direct payment to the bidder.

XIV. NO GRATUITY POLICY.

It is the policy of the Bureau of Procurement and Materials Management not to accept gifts, gratuities, or favors of any kind, or of any value whatsoever, from vendors, members of their staffs, or families.

XV. COMPLIANCE WITH FEDERAL REGULATIONS

A. All contracts involving Federal funds will contain certain provisions required by applicable sections of Title 34, Section 80.36(f) and Section 85.510 Code of Federal Regulations and are included by reference herein. The vendor certifies by signing the bid that the vendor and his/her principals are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in Federally funded transactions and may, in certain instances, be required to provide a separate written certification to this effect.

During the term of any contract with the Board, in the event of debarment, suspension, proposed debarment, declared ineligible or voluntarily excluded from participation in Federally funded transactions, the vendor shall immediately notify the Associate Superintendent, Bureau of Procurement and Materials Management, in writing.

Vendors will also be required to provide access to records which are directly pertinent to the contract and retain all required records for three years after the grantee (The Board), or subgrantee makes final payment.

B. For all contracts involving Federal funds in excess of \$10,000, the Board reserves the right to terminate the contract for cause, as well as for convenience by issuing a certified notice to the vendor.

XVI. DISCRIMINATION

An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid on a contract to provide goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not award or perform work as a contractor, supplier, subcontractor, or consultant under contract with any public entity, and may not transact business with any public entity.

ADDITIONAL INSTRUCTIONS TO BIDDERS FOR FOOD BIDS

I. PREPARING OF BIDS

A. BIDDERS RESPONSIBILITY. Each bidder shall carefully examine the Instructions to Bidders, specifications, Special Conditions listed and the number of schools to be served. It shall be the responsibility of the bidder to be fully informed as to the number and widespread locations of school. This will be of vital importance to assure the required schedule deliveries arrive on time.

II. AWARDS

A. BASIS FOR AWARDS. The awards of all items on this bid will be made on the basis of low bid meeting specifications, when the portion cost is within the acceptable cost range as determined by the Department of Food and Nutrition.

Award of items using USDA D/F Commodity are made conditional to the successful vendor submitting a current copy of either the commodity processing contract approved by the State of Florida HRS or National Commodity Processing, or a current copy of the signed agreement of their proposed contract that has been submitted and is pending approval.

B. AWARD OF FOREIGN PRODUCTS. Items and/or products grown, produced and processed in the United States or its territories will be considered for award purposes. Metal cans must be welded to insure no lead is utilized. Cans must be soldered. Foreign products will not be considered if a domestic supply is available. If product is not available as produced in the U.S.A., all foreign products must be submitted as an alternate and country of origin must be specified. All wholesomeness as well as grades and origins must be so noted on grade certificates.

All products of foreign origin accepted on the bid must have a pesticide analysis from a certified U.S. lab or Commodity Scientific Support Division (CSSD). If any pesticide residue is in excess of USDA or FDA recommendation, the product will not be considered acceptable. The pesticide analysis must accompany the grade certificate and must cover all shipments.

III. NEW FOOD ITEMS/BRANDS. Suppliers wishing to have new food items or new brands of existing food items approved for inclusion on our next bid must contact the below named for information concerning the submittal of samples: Department of Food and Nutrition c/o Planning and Production Coordinator, 7042 West Flagler Street, Miami, FL 33144, Telephone: (305) 895-3230.

IV. USAGE REPORTS. The successful vendor(s) shall submit a monthly usage report listing the total delivery quantities for each item delivered to each school location and a summary of monthly totals. This usage report must be submitted by the tenth day of the following month. This report shall be directed to: The Department of Food and Nutrition c/o Planning and Production Coordinator, 7042 West Flagler Street, Miami, FL 33144.

V. INSURANCE REQUIREMENTS. Successful vendor(s) are required to have coverage as specified in the indemnity and insurance form. The successful vendor(s) must submit completed certificates of insurance forms within 15 days from notification of award.

VI. USDA CERTIFICATION DOCUMENT. Each vendor is required to complete and submit with the bid the U.S. Department of Agriculture Certification form AD-1043 contained herein. Failure to do so may result in the vendor bid not being considered for award. Awards exceeding \$25,000 will not be made to vendors who have not submitted this form for each specific bid.

VII. NUTRIENT DATA SUBMISSION FORM. Successful vendors are requested to complete and submit a nutrient data submission form to assist in the gathering of nutrient information. Copies of nutrient data submission forms are included for vendor information.

VIII. DELIVERY AND BILLING

A. DELIVERY. Saturdays, Sundays, and holidays excepted, deliveries shall be made as follows: Schools and Departments - 8:00 A.M. to 3:00 P.M. Merchandise shall be unloaded at the receiving station of the designated delivery point and received there by a designated agent of the Board. A delivery ticket, or one copy of the invoice, prepared as indicated below, shall accompany each delivery.

B. DELIVERED PRODUCTS. All products delivered shall be identical to the samples submitted for evaluation, and as awarded to successful vendors.

C. UNAUTHORIZED DELIVERIES. The successful vendor(s) will not be authorized to sell and/or deliver any item not listed in this bid. Unauthorized deliveries may result in non-payment of invoices.

D. SUBCONTRACTING DELIVERY. The successful vendor(s) may not be permitted to subcontract for the delivery of any item listed in the awards(s) unless stipulated in writing at the time of bid submission, at no additional cost to the purchaser. In such instances, performance responsibility rests completely with the vendor(s) (awardees).

THE BOARD MAY REJECT ANY BID FOR FAILURE BY THE BIDDER TO COMPLY WITH ANY REQUIREMENT STATED ABOVE IN THE BID PROPOSAL FORM OR IN ATTACHMENTS THEREOF WHICH BECOMES PART OF THE BID.

THE SCHOOL BOARD OF MIAMI DADE COUNTY, FLORIDA



SUPERINTENDENT OF SCHOOLS

Revised February 2001

FORM6-1/98

INDEMNIFICATION AND INSURANCE

In consideration of this Contract, if awarded, the Vendor agrees without reservation to the indemnification and insurance clauses contained herein. These clauses are attached to and form a part of Bid#105-CC04

INDEMNIFICATION

The Vendor shall hold harmless, indemnify and defend the indemnitees (as hereinafter defined) against any claim, action, loss, damage, injury, liability, cost or expense of whatsoever kind or nature including, but not by way of limitation, attorneys' fees and court costs arising out of bodily injury to persons including death, or damage to tangible property arising out of or incidental to the performance of this Contract (including goods and services provided thereto) by or on behalf of the Vendor, whether or not due to or caused in part by the negligence or other culpability of the indemnitee, excluding only the sole negligence or culpability of the indemnitee. The following shall be deemed to be indemnitees: The School Board of Miami-Dade County, Florida and its members, officers and employees.

INSURANCE

Prior to being recommended for award, the Vendor has five business days after notification to submit proof of insurance as required herein. **If the Vendor is not the installer of the equipment in question, then the Vendor must obtain evidence of the coverages referenced below from the Installer and submit evidence of such to the Office of Risk and Benefits Management.** Failure to submit a fully completed certificate of insurance signed by an authorized representative of the insurer providing such insurance coverages may cause the Vendor to be considered non-responsive and not eligible for award of the Contract. The insurance coverages and limits shall meet, at a minimum, the following requirements:

1. Commercial General Liability Insurance in an amount not less than \$300,000 combined single limit per occurrence for bodily injury and property damage.
2. Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the operations of the Vendor, in an amount not less than \$300,000 combined single limit per occurrence for bodily injury and property damage.
3. Workers' Compensation Insurance for all employees of the Vendor as required by Florida Statutes.

"The School Board of Miami-Dade County, Florida and its members, officers and employees" shall be an additional insured on all liability coverages except Workers' Compensation Insurance.

The insurance coverage required shall include those classifications, as listed in standard liability insurance manuals, which most nearly reflect the operations of the Vendor.

All insurance policies shall be issued by companies with either of the following qualifications:

- (a) The company must be (1) authorized by subsisting certificates of authority by the Department of Insurance of the State of Florida or (2) an eligible surplus lines insurer under Florida Statutes. In addition, the insurer must have a Best's Rating of "B+" or better and a Financial Size Category of "IV" or better according to the latest edition of Best's Key Rating Guide, published by A.M. Best Company.

or

- (b) with respect only to the Workers' Compensation insurance, the company must be (1) authorized as a group self-insurer pursuant to Florida Statutes or (2) authorized as a commercial self-insurance fund pursuant to Florida Statutes.

Neither approval nor failure to disapprove the insurance furnished by the Vendor to the School Board shall relieve the Vendor of the Vendor's full responsibility to provide insurance as required by this Contract.

The Vendor shall be responsible for assuring that the insurance remains in force for the duration of the contractual period; including any and all option years that may be granted to the Vendor. The certificate of insurance shall contain the provision that the School Board be given no less than thirty (30) days written notice of cancellation. If the insurance is scheduled to expire during the contractual period, the Vendor shall be responsible for submitting new or renewed certificates of insurance to the School Board at a minimum of fifteen (15) calendar days in advance of such expiration.

Unless otherwise notified, the certificate of insurance shall be delivered to:

Miami-Dade County Public Schools
Office of Risk and Benefits Management
1500 Biscayne Boulevard, Suite 127
Miami, Florida 33132

The name and address of Miami-Dade County Public Schools, as shown directly above, must be the Certificate Holder on the certificate of insurance.

The Vendor may be in default of this Contract for failure to maintain the insurance as required by this Contract. Any questions and/or inquiries regarding these requirements should be directed to Ms. La-Chanc Clark at 305- 995-7133.

MIAMI-DADE COUNTY PUBLIC SCHOOLS

BID PROPOSAL FORM (FORMAT A)

TO: THE SCHOOL BOARD OF MIAMI-DADE COUNTY FLORIDA

BID	BUYER	PAGE
105-CC04	Linda Cantin	SC 1
TITLE		
Wireless Networks, Telecommunication (Furnish and Install, Voice and Data)		

SPECIAL CONDITIONS

- PURPOSE:** The purpose of this bid is to establish a contract, at firm unit prices, for the purchase of estimated requirements for the items listed. The term of the bid shall be for approximately two (2) years from the date of award, through June 30, 2005 and may, by mutual agreement between The School Board of Miami-Dade County, Florida and the awardee, upon final School Board approval, be extended for three (3) additional one year period(s) and, if needed, 90 days beyond the expiration date of the current contract period. The Board, through Procurement Management Services, may if considering extending, request a letter of intent to extend from the awardee, prior to the end of the current contract period. The awardee(s) will be notified when the Board has acted upon the recommendation. The successful vendor(s) agrees to this condition by signing it's bid.
- AWARD:** The School Board of Miami-Dade County may award the contract to the three (3) lowest responsive responsible bidders meeting specifications. Vendors must bid all items.

The low bidders will be determined by comparing prices for one design. The design criteria are defined in Specification 1.4, Determination of Low Bidders.

As the need arises, the awarded vendors will be requested to submit quotations for any single job exceeding \$3,000. Quotations will be evaluated and the lowest responsive and responsible bidder awarded the specific job.
- PRICES:** Prices shall be firm and fixed during the term of the contract. At the end of the initial contract period, prices may be adjusted to establish a current price for the upcoming contract period. The prices may be increased or decreased not to exceed the percentage published monthly by the United States Bureau of Labor. Calculations will be based on the index for the latest month available at the time of extension.
- UL/CSA/ETL APPROVAL:** All electrical equipment shall bear the approval symbol or name of Underwriters' Laboratories, Inc., The Canadian Standards Association or ETL Testing Laboratories.
- DELIVERY:** Delivery and installation shall be completed within 30 days after receipt of purchase order, or as otherwise indicated. All deliveries and installation will be made to schools and departments as indicated on each purchase order.
- PRE-BID CONFERENCE:** A pre-bid conference will be held **Wednesday, July 9, 2003 at 3:00 PM** in lecture room #1 at Information Technology Services, 13135 SW 26 Street, Miami, FL 33175. Pre-Bid Conference attendance by the bidder or his qualified representative is recommended for bid acceptance.

MIAMI-DADE COUNTY PUBLIC SCHOOLS

BID PROPOSAL FORM (FORMAT A)

TO: THE SCHOOL BOARD OF MIAMI-DADE COUNTY FLORIDA

BID 105-CC04	BUYER Linda Cantin	PAGE SC 2
TITLE Wireless Networks, Telecommunication (Furnish and Install, Voice and Data)		

SPECIAL CONDITIONS CONTINUED

7. **INSURANCE REQUIREMENTS:** Successful vendor(s) are required to have insurance coverage, as specified in the indemnity and insurance form(s), attached hereto and made a part of this bid. The successful vendor(s) must submit completed certificate of insurance form(s), before being recommended for award. Failure to submit this form(s), as noted, will result in the vendor(s) not being recommended for the bid award.

8. **WARRANTY:** The warranty for equipment, installation and service is defined in 2.6 Warranty, of the attached Specifications.

9. **ERASURES OR CORRECTIONS:** When filling out the Bid Proposal Form, bidders are required to use a typewriter or complete bid proposal in ink.
 1. Use of pencil is prohibited.
 2. Do not erase or use correction fluid to correct an error.
 3. All changes must be crossed out and initialed in ink.

Those bids for individual items that do not comply with items 1, 2 and 3 above will be considered non-responsive for that item(s).

10. **SITE INSPECTION:** Prospective bidders are encouraged to make site inspections of some typical M-DCPS schools to familiarize themselves with the unique environment where the work is to take place and to establish work procedures to minimize disruption at schools and other locations. Bidders must contact, ITS Warehouse, at (305) 994-1453, Roly Avila, to schedule site inspections. Scheduling of visits to the various locations will be coordinated to insure access and to review specifications regarding normal workload, average job size, problems, safety considerations, or other conditions that are unique to the Miami-Dade County Public School System. Failure to consider these conditions shall not entitle the awarded vendor to additional compensation after the bid has been awarded.

11. **VENDOR INFORMATION SHEET:** All bidders are requested to complete the attached Vendor Information Sheet. In order to conduct new business under the bid, M-DCPS requires that the vendor(s) have a current vendor application on file. The information on both documents must be consistent. Failure to comply with this condition may cause the Bidder(s) not be awarded any new business. Vendor applications can be downloaded at <http://procurement.dadeschools.net>.

MIAMI-DADE COUNTY PUBLIC SCHOOLS

BID PROPOSAL FORM (FORMAT A)

TO: THE SCHOOL BOARD OF MIAMI-DADE COUNTY FLORIDA

BID 105-CC04	BUYER Linda Cantin	PAGE SC 3
TITLE Wireless Networks, Telecommunication (Furnish and Install, Voice and Data)		

SPECIAL CONDITIONS CONTINUED

12. **OCCUPATIONAL LICENSE:** Any person, firm, corporation or joint venture, with a business location in Miami-Dade County, Florida, which is submitting a bid, shall meet the County's Occupational License Tax requirements in accordance with Chapter 8A, Article IX of the Code of Miami-Dade County, Florida. Bidders with a location outside Miami-Dade County shall meet their local Occupational Tax requirements. A copy of the license is requested to be submitted with the Bid Proposal. If the Bidder has already complied with this requirement, a new copy is not required while the license is valid and in effect. It is the Bidder's responsibility to resubmit a copy of a new license after expiration or termination of the current license. Non-compliance with this condition may cause the bid not to be considered for award.

13. **BID SUBMITTALS:** Bidders are requested to submit one original and four (4) copies of their bid. Bidders are required to submit, with their bid package, all information requested in the attached specifications. Failure to provide documentation with the bid will result in the bid not to be considered for award. They include:
 - Proof of a minimum of five years experience in installing wireless networks.
 - Proof of Low Voltage Contractor or Alarm Contractor I License.
 - Proof of work history, with dates, clients, and contact information.
 - Manufacturer certifications.
 - Occupational License as defined in Special Condition 12.
 - List of employees classified as Installer, Technician, Engineer, Cable Splicer, and Electrician.

14. **MANUFACTURER'S CERTIFICATION:** In the event a bid is submitted by other than the equipment manufacturer, a certification executed by the manufacturer **shall be required stating the bidder is an authorized representative** of the manufacturer.

15. **NEW EQUIPMENT:** This bid shall be for new equipment only. Newly manufactured containing used or rebuilt parts, remanufactured, rebuilt, reconditioned, newly re-manufactured, used; shopworn, demonstrator or prototype equipment is not acceptable and will be rejected.

16. **CODES AND PERMITS:** All work performed and materials used shall comply with all applicable federal, state and local codes, laws, ordinances and regulations. The successful vendor(s) shall be responsible for all necessary licenses and permits, as may be required.

17. All correspondence should be routed to Ms. Linda Cantin, via E-Mail at ***Lcantin@SBAB.dade.k12.fl.us***. Questions regarding special conditions and specifications will be addressed at the Pre-Bid Conference. Correspondence should clearly identify the bid number you are referring to.

18. Vendors shall submit a catalog giving unit costs for additional equipment and associated installation labor.

The School Board of Miami-Dade County, Florida
Bid 105-CC04

Wireless Networks, Telecommunication (Furnish and Install, Voice and Data)

BID PROPOSAL FORM (FORMAT B)

Type or print the complete name of the bidder:
Bid # 105-CC04
Wireless Networks, Telecommunication, (Furnish and Install, Voice and Data)
Buyer: L. Cantin

**PLEASE COMPLETE
ALL AREAS**

NAME OF BIDDER:

Item	DESCRIPTION	Unit	PRICE FOR EACH UNIT	Manufacturer or Brand Comments
	Awarded on a total low bid basis. Items 1 through 40. Vendors must bid on all items. Evaluation will be based on Design criteria, Attachment 1, for Standards IEEE 802.11a, IEEE 802.11b, and IEEE 802.11g.			
	Items 1 through 12, prices for Standards IEEE 802.11a.			
1	Price to furnish and install a complete system based on the sketch in Attachment 1.			
	Equipment only:	Per System	\$	
	Installation:	Per System	\$	
2	Access Point Equipment			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
3	One port Ethernet 10Base T Adapter			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
4	Four port Ethernet 10Base T Adapter			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
5	ISA Bus Adapter card			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
6	PCI bus Adapter card			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
7	PCMCIA Type II Adapter card			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
8	Indoor Antenna			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
9	Outdoor Antenna low gain, point to point			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
10	Outdoor Antenna high gain, point to point			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
11	Outdoor Antenna low gain, point to			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
12	Outdoor Antenna high gain, Point to			
	Equipment only:	Each	\$	
	Installation:	Each	\$	

The School Board of Miami-Dade County, Florida
 Bid 105-CC04

Wireless Networks, Telecommunication (Furnish and Install, Voice and Data)

BID PROPOSAL FORM (FORMAT B)

Type or print the complete name of the bidder:
Bid # 105-CC04
Wireless Networks, Telecommunication, (Furnish and Install, Voice and Data)
Buyer: L. Cantin

**PLEASE COMPLETE
ALL AREAS**

NAME OF BIDDER:

Item	DESCRIPTION	Unit	PRICE FOR EACH UNIT	Manufacturer or Brand Comments
	Items 13 through 24, prices for Standards IEEE 802.11b.			
13	Price to furnish and install a complete system based on the sketch in Attachment 1.			
	Equipment only:	Per System	\$	
	Installation:	Per System	\$	
14	Access Point Equipment			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
15	One port Ethernet 10Base T Adapter			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
16	Four port Ethernet 10Base T Adapter			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
17	ISA Bus Adapter card			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
18	PCI bus Adapter card			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
19	PCMCIA Type II Adapter card			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
20	Indoor Antenna			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
21	Outdoor Antenna low gain, point to point			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
22	Outdoor Antenna high gain, point to point			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
23	Outdoor Antenna low gain, point to			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
24	Outdoor Antenna high gain, Point to			
	Equipment only:	Each	\$	
	Installation:	Each	\$	

The School Board of Miami-Dade County, Florida
 Bid 105-CC04

Wireless Networks, Telecommunication (Furnish and Install, Voice and Data)

BID PROPOSAL FORM (FORMAT B)

Type or print the complete name of the bidder:
Bid # 105-CC04
Wireless Networks, Telecommunication, (Furnish and Install, Voice and Data)
Buyer: L. Cantin

**PLEASE COMPLETE
ALL AREAS**

NAME OF BIDDER:

Item	DESCRIPTION	Unit	PRICE FOR EACH UNIT	Manufacturer or Brand Comments
	Items 25 through 36, prices for Standards IEEE 802.11g.			
25	Price to furnish and install a complete system based on the sketch in Attachment 1.			
	Equipment only:	Per System	\$	
	Installation:	Per System	\$	
26	Access Point Equipment			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
27	One port Ethernet 10Base T Adapter			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
28	Four port Ethernet 10Base T Adapter			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
29	ISA Bus Adapter card			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
30	PCI bus Adapter card			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
31	PCMCIA Type II Adapter card			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
32	Indoor Antenna			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
33	Outdoor Antenna low gain, point to point			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
34	Outdoor Antenna high gain, point to point			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
35	Outdoor Antenna low gain, point to			
	Equipment only:	Each	\$	
	Installation:	Each	\$	
36	Outdoor Antenna high gain, Point to			
	Equipment only:	Each	\$	
	Installation:	Each	\$	

The School Board of Miami-Dade County, Florida

Bid 105-CC04

Wireless Networks, Telecommunication (Furnish and Install, Voice and Data)

BID PROPOSAL FORM (FORMAT B)

Type or print the complete name of the bidder:
Bid # 105-CC04
Wireless Networks, Telecommunication, (Furnish and Install, Voice and Data)
Buyer: L. Cantin

**PLEASE COMPLETE
ALL AREAS**

NAME OF BIDDER:

Item	DESCRIPTION	Unit	PRICE FOR EACH UNIT	Manufacturer or Brand Comments
	Hourly Labor Rate			
37	Technician: hourly rate			
	Regular Time	Per Hour	\$	
	Overtime	Per Hour	\$	
	Week-ends/Holiday	Per Hour	\$	
38	Engineer: hourly rate			
	Regular Time	Per Hour	\$	
	Overtime	Per Hour	\$	
	Week-ends/Holiday	Per Hour	\$	
39	Cable Splicer: hourly rate			
	Regular Time	Per Hour	\$	
	Overtime	Per Hour	\$	
	Week-ends/Holiday	Per Hour	\$	
40	Post Warranty Maintenance: hourly rate			
	Regular Time	Per Hour	\$	
	Overtime	Per Hour	\$	
	Week-ends/Holiday	Per Hour	\$	

The School Board of Miami-Dade County, Florida
 Bid 105-CC04

Wireless Networks, Telecommunication (Furnish and Install, Voice and Data)

BID PROPOSAL FORM (FORMAT B)

Type or print the complete name of the bidder:
Bid # 105-CC04
Wireless Networks, Telecommunication, (Furnish and Install, Voice and Data)
Buyer: L. Cantin

**PLEASE COMPLETE
ALL AREAS**

NAME OF BIDDER:

Item	DESCRIPTION	Unit	PRICE FOR EACH UNIT	Manufacturer or Brand Comments
	Equipment only:	Each	\$	
	Installation:	Each	\$	
	Equipment only:	Each	\$	
	Installation:	Each	\$	
	Equipment only:	Each	\$	
	Installation:	Each	\$	
	Equipment only:	Each	\$	
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	Installation:	Each	\$	
	Equipment only:	Each	\$	
	Installation:	Each	\$	
	Equipment only:	Each	\$	
	Installation:	Each	\$	

The School Board of Miami-Dade County, Florida
Bid # 105-CC04
Wireless Networks, Telecommunication (Furnish and Install)

SPECIFICATIONS

Overview

The purpose of this document is to provide a mechanism by which wireless networking technology can be systematically purchased, installed and supported within Miami-Dade County Public Schools (M-DCPS) sites. M-DCPS views wireless networking technology as a supplement to the hard-wired infrastructure. The primary role of wireless shall be to provide network connectivity to detached portable classroom buildings and like structures that are prevalent at a typical M-DCPS school campus site. Using wireless technology, it is the intent of M-DCPS to provide students housed in a portable type classroom with the same access to technology as those students housed in a conventional classroom within the main school building facility.

1.0 GENERAL

- 1.1 This Invitation to Bid is to engineer, furnish, install and maintain wireless connections of data network between one or more buildings, including a wireless connection from a main school building to one or more external portable classroom buildings. The wiring in the main building consists of Category 5 twisted pair and fiber optic cable and the interior of the portable classrooms may have a mixture of Category 5 cable and fiber optic cable.
- 1.2 This Bid shall establish firm prices for the plans in Attachments 1 (Attachment 2 is for information). A price shall be submitted for the standards IEEE 802.11a, IEEE 802.11b and IEEE 802.11g. The purpose of separate prices is to enable M-DCPS to select either system to meet its needs. Due to variations among the schools actually in use, it is expected that each site must be surveyed and each system be engineered for that site. Variations to the plan shown in Attachments 1 and 2 must be approved by M-DCPS prior to installation. The price sheets attached to this Bid must include prices for all items listed.
- 1.3 It is intended that the wireless connection be transparent to the operation of the local area network and have an availability 99.99% with no increase in the bit error rate.
- 1.4 **DETERMINATION OF LOW BIDDERS.** It is recognized that there may be several designs for accomplishing the wireless connection. In order to compare prices only one design will be considered. That design shall be as follows: one radio frequency link from the main school building to one of a group of portable classrooms. Connections from the first portable to the remaining portables shall not be considered in this bid. A brief sketch showing an outline of the buildings that is to be used for the design for this bid is shown in Attachment 1. Attachment 2 depicts a system for a portable installation. Up to three (3) bidders, providing the lowest cost for the material, labor, and meeting all other criteria herein may be awarded the contract.
 - 1.4.1 Bidders shall assume that electrical power and connections to the wired network will be located within six (6) feet of the equipment installation.

The School Board of Miami-Dade County, Florida
Bid # 105-CC04
Wireless Networks, Telecommunication (Furnish and Install)

- 1.4 Bidders shall have an established business with a minimum of five years experience in installing telecommunications wiring systems using copper and fiber optic cable and wireless systems used for telecommunications. Bidders shall have specific experience in the engineering, furnishing, installation and maintenance of short range and longer range microwave systems, which may or may not require a Federal Communications Commission (FCC) license. If a license is required, the bidders shall be capable of applying for the license. Bidders shall provide proof of their experience in their bid by submitting a work history showing current projects and projects completed within the past five years, with dates, client's name and address and phone number. A brief description of each project shall be included in the bid. Bids, which do not include such proof, shall be considered non-responsive.
- 1.5 Bidders shall have an employee licensed by the State of Florida as a Low Voltage Contractor or as an Alarm Contractor I for the term of the bid. In addition bidders shall have an employee that is licensed by the FCC for any work requiring such a license.
- 1.6 Bidders shall have an agreement with the manufacturer of the cabling and radio frequency hardware that indicates the bidder is a certified installer of the hardware being offered and both the manufacturer and the bidder are jointly responsible for the warranty agreement (proof shall be included in the bid). Bids, which do not include a copy of the warranty agreement, will not be considered. This requirement shall also apply to bidders who function as both manufacturers and installers of the systems.
- 1.7 It is the intent of The School Board of Miami-Dade County (M-DCPS) to select up to three contractors to participate in this bid. M-DCPS will select the three lowest bidders meeting specifications. Each contractor shall have the opportunity to quote on pending work, and the awards will be based on the total low quoted price, meeting specifications per site. The School Board of Miami-Dade County estimates the value of this contract at approximately \$800,000 dollars.
- 1.9 The contractor shall provide plans for each completed project. The plans are intended to be as-built plant-in-place records for the new systems and shall show the following:
 1. The location of all antennas, transmitters and receiver modules, data wiring closets, and backboards and terminal blocks.
 2. Routing of cables from the antennas to the transmitter and receiver modules, and from the transmitter and receiver modules to each closet, backboard and terminal block using a riser diagram.
 3. Detail of each cross-connect and punchdown block identifying pairs to the remainder of the system.
- 1.10 In order to assist bidders in understanding the wiring and conduit arrangements used by Miami-Dade County Public Schools, see Master Specifications, Divisions 13 and 16. This document can be found at <http://facil.dade.k12.fl.us/facplan/MasterSpec.htm>. The notes are intended to show the M-DCPS standards, and are based on Electronic Industries

The School Board of Miami-Dade County, Florida
Bid # 105-CC04
Wireless Networks, Telecommunication (Furnish and Install)

Association/Telecommunications Industries Associates (EIA/TIA) standards 568 and 569, and field experience. The notes were originally developed to assist architects and engineers who had little or no experience with telecommunications wiring. Each installation must be based on the concepts in these notes. All installations must be coordinated with Information Technology Services (ITS) Network Expansion Services project managers.

- 1.11 Normally, in new construction, the conduit with pull-strings and backboards, and terminal cabinets will be installed by the electrical subcontractor(s) to the general contractor. The wireless contractor(s) shall carefully inspect the conduit work for adequacy and inform the ITS Network Expansion Services project manager of any needed changes. In the event that conduit, terminal cabinets, and backboards are required but have not been supplied by the general contractor or electrical sub-contractor, the wireless contractor shall be responsible for installing conduit and backboards as needed. In existing buildings, the wireless contractor shall be responsible for installing needed conduit and backboards.
- 1.12 The contractors awarded this contract, shall inspect the wiring and report any required changes to the ITS Communication Services project manager. The wiring contractor, the equipment contractor, ITS Network Expansion Services project manager and construction project manager shall cooperate with each other to resolve any problem regarding the installation of the wireless systems.
- 1.13 It is recognized that schools may have different architectures and may require different quantities of equipment. Bidders shall submit a catalog giving unit costs for additional equipment and associated installation labor. No work shall be started prior to approval by ITS Network Expansion Services, and the issuance of a purchase order.
- 1.14 Award of a contract will be construed as M-DCPS' acceptance of the successful bidders' catalogs.
- 1.15 Price sheets are intended to provide installed prices for various items used in the wireless installation work on a per unit basis.
- 1.16 It is recognized that there may be items of equipment available that are not included in the price sheets in this Bid. Bidders are encouraged to provide additional prices as needed.
- 1.17 EXAMINATION OF SPECIFICATIONS: Each bidder is required to examine carefully the specifications and to be informed as thoroughly as possible regarding any and all conditions and requirements that may affect the work to be performed.
- 1.18 Scheduling of visits to the various schools shall be coordinated by ITS Network Expansion Services in order to insure adequate access for the visitors and to minimize disruptions at the schools.

The School Board of Miami-Dade County, Florida
Bid # 105-CC04
Wireless Networks, Telecommunication (Furnish and Install)

- 1.19 REPLY TO BID SPECIFICATIONS: Four (4) copies of the bid, and all supporting documentation, shall be submitted at the date and time indicated. Pricing shall be per line item as listed and bidder(s) shall complete all information requested.
- 1.20 Site plans for new schools under construction or in design are available for viewing at the, ITS Network Expansion Services, 2740 NW 104 Ct., Miami, Florida 33172. Plans for older schools will be made available from various sources at the time the decision is made to install wireless systems at that particular school. Vendors are encouraged to make site visits to become familiar with work that may be required.
- 1.21 Bidders shall clearly list in their bids, exactly what, if any, labor and equipment they require to be furnished by the Board. In the event that after award of contract, additional items are required, they shall be provided by the contractor at no additional cost to the Board. No additional allowances shall be made because of lack of knowledge of these conditions unless they are the result of additions or changes requested by the Board's representatives.

2.0 **SPECIAL CONDITIONS**

2.1 CONTRACTOR'S RESPONSIBILITY AND QUALIFICATIONS

- 2.1.1 The Contractor shall have in operation a business adequate for and devoted to the installation of Telecommunications wireless and wiring systems involving radio frequency equipment, copper wires, fiber optic cable and associated hardware. The intent of this Section is to ensure single source responsibility for all material, and labor proposed by the Contractor.
- 2.1.2 The Contractor shall manage the installation program, provide transportation, storage of material, testing and installation of all wireless, wire and cable and hardware on an engineer, furnish and install basis. The entire system shall be on a turnkey basis. Various locations are not able to guarantee a secure storage area for the contractors' materials, tools, and supplies. Therefore, the contractor shall be responsible for on-site security of his/her material, tools, and supplies until final acceptance.
- 2.1.3 It is important for M-DCPS to receive timely responses to request for quotations (RFQ). The following is the deadline for timely submission:

<i>AMOUNT OF RFQ</i>	<i>DEADLINE</i>
\$5,000.00 or less	2 working days
\$5,001.00 to \$20,000.00	5 working days
\$20,001.00 or greater	10 working days

The School Board of Miami-Dade County, Florida
Bid # 105-CC04
Wireless Networks, Telecommunication (Furnish and Install)

- 2.1.4 As a courtesy, ITS Network Expansion Services will E-mail a Request for Quotation (RFQ) to the selected contractors; however, it is the responsibility of the contractors to contact ITS Network Expansion Services for outstanding RFQ'S.
- 2.1.5 In the event of an emergency, as determined by the Executive Officer, Information Technology Services, the awarded low bidder shall be given the first opportunity to respond to emergency work. If the lowest bidder is unable to respond within an acceptable time period, the work shall be offered to the other awarded contractors. Should none of the contractors selected through this bid be able to respond adequately to the emergency, the work may be done by any other resource that can respond in a timely manner.

2.2 PRICES AND PAYMENTS

- 2.2.1 All bid prices shall be F.O.B. destination, delivered, and installed at the site intended in Miami-Dade County, Florida, per specifications, and shall include a two (2) year warranty on the wireless equipment, a five (5) year warranty on wiring workmanship and fifteen (15) years warranty for wiring material after date of acceptance.
- 2.2.2 It is a requirement that all bids provide a set of price sheets. The price sheets in the Bid are intended to be typical of what applies specifically to the material being bid. A blank sheet is included which may be copied and used in their bid. **VENDORS MUST BID ALL ITEMS.**
- 2.2.3 The School Board of Miami-Dade County Policy allows payment only for goods and services received, therefore, no advance payment can be made.
- 2.2.4 The following shall be the payment terms on a per location basis.
- A partial payment may be made on all material delivered to the intended site, not to exceed 50% of the total quoted price for that location. The ITS Network Expansion Services project manager must verify the material received on site. The contractor assumes all responsibility for all material delivered to the intended site. The remaining balance will be paid upon completion, inspection and final acceptance by the ITS Network Expansion Services project manager.
- 2.2.5 The contractor may not assign their rights under this contract without prior written approval of the Board. However, no assignment of any contract rights shall relieve the Contractor of any of their obligation under this contract, including, but not limited to their obligation to meet the Bid specifications for labor, material, warranty repair, and replacement of the wireless equipment and/or wiring as required. The Contractor may not assign or transfer their performance obligations under this contract to any other person.
- 2.2.6 In the event that the obligations and assets of the Contractor are merged or assumed by some other legal entity, the Contractor agrees to provide written notice to the Board or its

The School Board of Miami-Dade County, Florida
Bid # 105-CC04
Wireless Networks, Telecommunication (Furnish and Install)

designee, and The School Board of Miami-Dade County shall be given the right to allow the contract to continue under the new ownership or to terminate the contract without penalty. Such election shall be made at the sole discretion of The School Board of Miami-Dade County.

2.3 CONTRACT AWARD

It is the intention of The School Board of Miami-Dade County to award this contract to the lowest three (3) lowest responsive bidders meeting the specifications.

2.3.1 The School Board of Miami-Dade County reserves the right, before awarding the contract, to require bidders to submit evidence of their qualifications and may consider evidence of financial, technical and other qualifications and abilities of the bidder, including past performance (experience) with other customers in making the award in the best interest of The School Board of Miami-Dade County.

2.3.2 Due to statutory budgetary requirements, the Board reserves the right to cancel the Contract at the end of each fiscal year or the end of each year of the contract period.

2.4 DOUBT OR DIFFERENCE OF OPINION

Resolution of any doubt or difference or opinion as to the items to be furnished hereunder, the quality of the items, the quality of workmanship, the detail of information in the as-built plant-in-place documents and any other item related to a contract award as a result of this ITB shall be handled through the following procedure:

FIRST STEP

BOARD

CONTRACTOR

Program Manager

Project Manager

SECOND STEP

Supervisor

Equivalent Management Level

THIRD STEP

Executive Officer
Information Technology Services

Equivalent Management Level

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FOURTH STEP

Chief Business Officer
Business Management

Equivalent Management Level

FIFTH STEP

The School Board of Miami-Dade County Petition to the Board

2.5 SAMPLING OF MATERIAL AND EQUIPMENT BY PURCHASER

M-DCPS may, at its option, visit the operational facilities of the bidder for the purpose of evaluating the capabilities of the bidder. The bidder shall, at the request of M-DCPS, supply the location where a typical installation of the proposed wireless and wiring system is available for evaluation. It is required that the location be in Miami-Dade or Broward counties.

2.6 WARRANTY

All wireless equipment purchased or provided, shall be guaranteed by the Contractor against mechanical and electrical defects for a minimum of two (2) years. Warranty work shall include equipment and labor. All wiring materials purchased or provided shall be guaranteed by the Contractor against mechanical and electrical defects for a minimum period of fifteen (15) years. Manufacturer's warranties in excess of fifteen (15) years shall be provided to M-DCPS at no additional cost. In the event, defects become evident within the fifteen-year warranty period after date of acceptance, the Contractor shall furnish all replacement parts, materials and labor at no cost to M-DCPS. Additionally, contractor(s) shall include five (5) year warranty on workmanship. Warranty shall begin at system acceptance.

- 2.6.1 The warranty on operation of the wireless system shall be that the system meets the performance standards of the ANSI/TIA/EIA-568-A (Annex E) standard and TIA/EIA Telecommunications Systems Bulletin 67. This shall apply to the radio frequency link and both horizontal link and channel performance. In addition, the wireless systems shall meet the performance of the relevant IEEE 802.11 WLAN standards. See Section 5 for additional technical requirements.
- 2.6.2 During the warranty period, the Contractor shall maintain an adequate supply of spare parts, either on site or at their local service facility.
- 2.6.3 Technicians that install the wiring shall be certified by the manufacturers of the panels and jacks as being qualified to properly install category 5 wiring, if applicable.

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2.7 MAINTENANCE, MOVES, CHANGES, AND ADDITIONS

- 2.7.1 After the award of the Contract, the Contractor shall provide a bill of materials and costs for each project/location, based on contract unit prices, prior to commencement of work. The contractor shall also provide a basic description of the wireless system plan used to develop the bill of materials. Bidders are requested to provide in their bid a list of their employees that may be employed during the contract period. The list should provide names, dates of certifications and copies of their certificates.
- 2.7.2 It is agreed that no charges for moves shall be made if no work has been started based on the original plans. Changes shall be charged by adjusting the prices, based on the price sheets, up or down as appropriate for the change being made. Additions shall be charged for at the prices listed on the price sheets and as agreed to if items are not covered on the price sheets. Charges may be made on a time and material basis but shall not exceed those listed on the price sheets, provided the material and labor are listed on the price sheets.
- 2.7.3 Bidders shall state their person-hour labor rates for various skill levels that may be requested by Miami-Dade County Public Schools. The levels shall include installer, post warranty maintenance, technician, engineer and electrician. Other categories that are appropriate for the wireless system being bid shall be included.

2.8 LIMITATION OF CONTRACTOR'S LIABILITIES

If the performance of any part of this contract by the contractor is prevented, hindered, delayed or otherwise made impracticable by reason of flood, riot, fire, explosion, war or any other casualty or any other cause of whatever nature that is beyond the control of the Contractor, the Contractor shall be excused from such performance during the continuance of any such happening or event, for as long as such event shall continue to prevent, hinder or delay such performance, provided that in the event of a lockout, or other disturbance, the Contractor shall provide the requirements of this contract using any personnel deemed necessary. This paragraph shall apply to the installation and warranty requirements of this ITB.

2.9 MATERIALS AND WORKMANSHIP

All wireless equipment, copper wire and cable and fiber optic cable and component parts furnished shall be guaranteed to be new, meet all requirements of this bid, and be in an operable condition at the time of delivery. No part or attachment shall be substituted or applied contrary to the manufacturer's recommendations and standard practices.

2.10 FAILURE TO PERFORM UNDER WARRANTY AGREEMENT

The following option shall be available to The Miami-Dade County School Board and shall be applied, in the event of failure on the part of the contractor to perform under the warranty agreement, as stated in this bid. This shall be applied on a per location basis.

The School Board of Miami-Dade County, Florida
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- a) During the warranty period, each failure to respond or correct a problem in a timely manner shall obtain a one-month extension of the cost-free warranty maintenance period. In the event, twelve such response failures occur within one year, The Miami-Dade County School Board shall receive a warranty extension for the balance of the year in which the failures occurred, as well as the next full calendar year. This shall be in addition to the two-year, five-year and fifteen-year warranty period.
- b) More than twelve (12) response failures in one year may result in default of the contract.

2.11 TERMINATION OF CONTRACT

The following terms and conditions shall govern the termination of Contract if the contractor shall be considered in default:

Should the contractor fail or neglect to execute work properly and diligently in substantial accord and compliance with the schedule or schedules agreed upon, as may be determined by the Board, or, if the contractor shall fail or refuse to perform any requirement or provision of the Contract specified to be performed by the contractor, then the Board may immediately take over the work, or such portion thereof as may be in default or arrears, and correct the fault and make good the deficiency, and the cost thereof will be deducted from the contract price and may be withheld from any amount then due or that may become due the contractor from the Board. The Board may complete the Work by the Board's own forces or in such a manner and means as the Board may deem necessary or expedient. The Board will remain accountable to contractor only for any excess that may remain between the cost for the work completed by either such methods and the contract price; provided that the exercise of any right or option in this Article reserved by or granted to the Board shall not prejudice, stop or bar any other rights or remedy the Board may have under the full terms of the contract and contract documents.

2.12 EFFECT OF BOARD APPROVAL

Contractor's entire responsibility for the correctness and suitability of the work shall not be affected by the grant to, or the exercise or non-exercise by, the Board of its right to inspect, test, review, comment on and approve the Work, including, without limitation, drawings, data, and other documents or Work provided by contractor.

No failure or delay by the Board to insist on strict performance or observance by Contractor of any of the terms or conditions of the Contract, or to exercise any right or remedy under the Contract shall operate as a waiver thereof by the Board; nor shall any single or partial exercise of any such right or remedy preclude any other further exercise thereof or the exercise of any other right or remedy under the contract.

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2.13 SEVERABILITY AND COUNTERPARTS

If any part of the contract is held to be invalid, void or otherwise unenforceable, the other parts of the contract shall continue in full force and effect unless the severance of the portion held unenforceable would render impossible performance in accordance with the purposes of the contract.

2.14 ADDITIONAL INFORMATION REQUIRED OF THE BIDDER

The bidder is requested to provide a statement giving the following information regarding the bidder(s) support activities.

1. The number of support persons on duty during the normal workweek and on weekends.
The extent of the technical training and years of experience of personnel.
2. The location of the bidder's local facility.

2.15 WIRELESS SYSTEM ACCEPTANCE AND TESTING

Wireless system acceptance is and shall be understood and agreed to be the acceptance of the entire wireless project for a location by The Miami-Dade County School Board and not on an individual equipment basis.

The date of wireless system acceptance is defined as the date of verification of successful operational testing and completion of plant-in-place drawings and associated wiring information. The date shall be mutually agreed to by representatives of ITS Network Expansion Services and the Contractor. This shall be done on a per location basis. Reference numbers provided by ITS shall be depicted on all of the following documentation. A printout of the test results shall be provided in electronic form (CD or E-mail) prior to the final walkthrough inspection. Successful testing shall be understood to be as follows:

A. Copper Wiring Tests (If applicable)

Every pair of copper wires shall be tested for their appropriate characteristics. The tests shall be as follows: attenuation, near-end crosstalk, line mapping, length, capacitance, DC loop resistance, and attenuation-to-crosstalk ratio.

A printout of 100% of these test results is required. The tests shall be conducted using the Wavetek Lantek Pro tester or equal. The test signal frequency shall be 100 MHz or shall be a sweep frequency from 1 MHz to 100 MHz. Automatic testing that gives results in terms of pass or fail criteria is acceptable if the criteria is clearly stated and conforms with EIA/TIA Bulletin TSB40 criteria or better.

B. Optic Fiber Tests (If applicable)

Every multi-mode fiber optic strand shall be measured for distance and end-to-end for power loss at 850 nm and 1300 nm. The optical loss per mated connector

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pair shall not exceed 1.5 db. The loss through any type of fiber splice shall not exceed 0.3 db. The maximum loss of the fiber strand without connectors and splices shall not exceed 3.75 db/km at 850 nm and not exceed 1.0 db/km at 1300 nm.

Every single-mode fiber optic strand shall be measured for distance and end-to-end power loss at 1310 nm and 1550 nm. The optical loss per mated connector pair shall not exceed 1.5 db. The maximum loss of the fiber strand without connectors and splices shall not exceed 1.5 db at 1310 nm and 1550 nm.

C. Wireless System Tests

The wireless system shall appear transparent to the end users attached to the wireless equipment. The system shall not be adversely affected by interference from other radio frequency signals or due to fading of the wireless signal.

A printout of the link test to each remote unit shall be provided. The testing results shall be provided in electronic form (CD or E-mail) prior to the final walkthrough inspection.

2.16 It is recognized that until the various items of equipment that utilize the wireless system are in operation, that various wiring errors and/or problems will not be known. The wireless system contractor shall cooperate fully with other contractors, if applicable, to repair any wireless system problems that are found during or after the various systems are activated.

2.17 In the event that during the warranty period it becomes evident that a pattern of chronic malfunctions and/or failures develop in the wireless system which severely limits the use of the equipment and which the Contractor has been unable to remedy, The School Board of Miami-Dade County shall notify the contractor in writing, listing the specific malfunctions and/or failures to be remedied and the time in which the remedies are to be accomplished. If the remedies are not accomplished within the specified time, the Board may declare the contractor in default. The Board shall be accountable to the contractor in default for portions of the work performed by him/her, which is reused, however the Board shall be reimbursed by the contractor in default for funds previously paid for the wireless system being replaced by the new contractor. If the faulty wireless system is partially usable it shall remain in place and be serviced under the warranty until a replacement wireless system is installed.

2.18 PERMITS AND LICENSES

The contractor shall be responsible for obtaining any necessary construction and installation permits and licenses and shall comply with all federal, state, and local codes and ordinances without additional cost to M-DCPS.

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2.19 INSURANCE

Prior to commencing work under this bid, the contractor shall obtain and maintain without interruption the insurance as outlined in special conditions. The contractor agrees to furnish a fully completed certificate of insurance signed by an authorized representative of the insurer providing such insurance coverage.

2.20 PATENTS AND ROYALTIES

The Bidder, without exception, shall indemnify and save harmless, M-DCPS and its employees from liability of any nature or kind, including cost and expenses for or on account of any copyrighted or unpatented invention, process or articles manufactured or used in the performance of the contract, including its use by M-DCPS. If the bidder uses any design, device or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the proposed prices shall include all royalties or costs arising from the use of such design, device, or materials in any way involved in the work.

2.21 LIQUIDATED DAMAGES

As a result of the contractor's survey and subsequent approval by ITS Network Expansion Services, the contractor will have established a schedule, which shall state the number of calendar days after commencement of work that the work will be completed. Time of completion of each installation and/or project shall be given by this schedule, which may be adjusted by mutual agreement of the contractor and the School Board of Miami-Dade County, Florida. The time of completion shall be of the essence. Should the contractor fail to complete the work or obtain acceptance within the time agreed to, and provided the contractor has not previously obtained an extension from the Board, a minimum sum of \$500.00 shall be deducted from the contract price for each calendar day of delay as liquidated damages. If the contract price exceeds \$50,000, then 1.5% of the contract price shall be deducted for each day of delay as liquidated damages. This deduction shall be applied to each installation individually.

The contractor consents and agrees that it is not necessary for the Board to prove monetary loss.

2.22 PROGRAM MANAGER

- 2.22.1 The contractor shall designate an individual, acceptable to M-DCPS, to perform the contractor's program management function. The Program Manager shall provide a single point interface between M-DCPS and the contractor on all matters concerning the contract. The Program Manager shall provide status/progress reports and attend monthly status meetings throughout the contract period as required by M-DCPS.

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- 2.22.2 After award of the contract, the Program Manager shall be in residence in Miami-Dade or Broward County, and shall be available to the School Board on a schedule that shall be mutually agreed to by The School Board of Miami-Dade County and the contractor.
- 2.22.3 The School Board of Miami-Dade County ITS Network Expansion Services Supervisor shall designate a Project Manager to manage and supervise the contract for The School Board of Miami-Dade County.
- 2.22.4 The Project Manager shall inspect all installation materials and workmanship and ensure contract compliance for final acceptance. The wiring contractor's Program Manager shall interface with and cooperate with The School Board of Miami-Dade County ITS Network Expansion Service Project Manager, the construction project manager and the equipment contractor.

2.23.1 ADDITIONS OR CHANGES DURING INSTALLATION

- 2.23.1 The Program Manager or contractor shall not accept requests or agree to perform services beyond the contract requirements from persons other than The School Board of Miami-Dade County ITS Network Expansion Services Project Manager. All requests for additions and/or changes shall be directed to and handled by The School Board of Miami-Dade County ITS Network Expansion Services Project Manager.
- 2.23.2 The School Board of Miami-Dade County, without invalidating the Contract, may order changes in the work within the general scope of the Contract consisting of additions, deletions or other revisions. Work that increases the purchase order sum or changes the Contract time shall be authorized by a change order.
- 2.23.3 The cost or credit to the School Board of Miami-Dade County, Florida resulting from a change in the work shall be determined in one of the following ways:
 - 1) By mutual acceptance of a properly itemized lump sum amount supported by sufficient substantiating data to permit evaluation, if not listed in the Contract Documents.
 - 2) By unit prices stated in the contract Documents or subsequently agreed upon.

2.24 FAMILIARITY WITH LAWS

The bidder is presumed to be familiar with all Federal, State and Local Laws, Ordinances, Code Rules and Regulations that may in any way affect the work. Ignorance on the part of the bidder shall in no way relieve him/her from responsibility. Bidders are advised that School Board of Miami-Dade County and the Florida Department of Education may have additional requirements beyond those contained in the locally accepted Building Codes.

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2.25 INDULGENCE

Indulgence by The School Board of Miami-Dade County of any nonconformance by the contractor does not constitute a waiver of any rights under this agreement.

2.26 SUB-CONTRACTS

- a) Nothing contained in the specifications shall be construed as creating any contractual relationship between any subcontractor and M-DCPS.
- b) The Contractor shall be as fully responsible to M-DCPS for the acts and omissions of the sub-contractor and of persons employed by them as he/she is for acts and omissions of persons directly employed.

2.27 EMPLOYEES OF THE CONTRACTOR AND SUB-CONTRACTOR

All employees of the Contractor and sub-contractor shall be considered to be at all times the sole employees of the Contractor or sub-contractor under the Contractor's sole direction and not an employee or agent of The School Board of Miami-Dade County. The Contractor and sub-contractor shall supply competent and physically capable employees, and The School Board of Miami-Dade County may require the Contractor to remove an employee it deems careless, incompetent, or insubordinate and whose continued employment on The Miami-Dade County School Board's property is not in the best interest of The School Board of Miami-Dade County. Each employee shall have and wear proper identification on the job.

3.0 TECHNICAL INFORMATION

3.1 DEFINITIONS

Wiring: shall be considered to include all copper wires, copper multi conductor cables, fiber optic strands and multi strand fiber optic cable. The words wire and cable are intended to have the same meaning and are used interchangeably.

Telecommunications Wiring: Shall be construed to mean the wire and cable for voice (telephone) and for data.

Conduits: Shall be construed to include all metal and plastic tubing, all cable trays and ducts in which telecommunications wiring may be installed. These items are also referred to as raceways.

Wireless System: Shall be construed to include all antennas, antenna mounts, radio frequency transmitters, radio frequency receivers, antenna cables if used, input and output wiring to and from any existing network and ac power wiring to the wireless system.

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3.2 Architects and engineers have been requested to provide a basic design for telecommunications for a new school building as follows:

- a) A main equipment room shall be in or near the administration offices of a school.
- b) There shall be satellite equipment rooms and/or wiring closets in each building.
- c) Within a building there shall be a wiring closet for approximately every 20 to 25 rooms or offices.
- d) The locations of the satellite rooms and wiring closets shall be such that the maximum wire distance from a room or closet to a jack is 250 feet and the maximum wire distance between equipment rooms and wiring closets is 300 feet.

3.3 Conduit design for the above has been requested as follows:

- a) There shall be a minimum of three conduits of a minimum of 2" diameter from the main equipment room to each satellite room or wiring closet. The actual quantities and sizes of the conduit shall be reviewed by ITS Network Expansion Services for adequacy during the design phases of the project.
- b) No conduit smaller than ¾ inch shall be used to any voice or data outlet.
- c) Note that voice and data cable may share conduit.

3.4 Wire termination at the various equipment rooms and wiring closets shall be as follows:

- a) There shall be three panels in the main equipment room that shall be the main distribution frame (MDF). In an elementary school all panels are category 5 patch panels. In a secondary school the voice panel is a punch-down and the others are category 5 patch panels.
- b) All jacks shall be hard wired to their respective panels.
- c) All copper pairs used for voice and data shall be protected at both ends of the cable if the cable leaves and enters a building.
- d) At the MDF the voice panel shall be hard wired to the cable protectors. Data cables will terminate on category 5 RJ 45 patch panels.
- e) The fiber optic cable shall be terminated in a suitable interface unit that provides for fan-out of the strands and termination in ST-type connectors. The number of

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strands and arrangement of separation and fan-out shall be approved by ITS Network Expansion Services.

- f) Cable management shall be included in all installations to neatly organize all patch cables at each intermediate distribution frame (IDF) and MDF locations. Patch Cables should be of appropriate length for cabinet, rack or shelf where applicable.

4.0 INSTALLATION PRACTICES

- 4.1 All wiring and terminations shall be installed according to the best industry practices and manufacturer's specifications. Cable not in conduit shall meet fire codes and all cable shall be neatly run and have proper mechanical protection. Cables shall be supported by bridle rings and ties to permanent supports.
- 4.2 It is agreed and understood that the installation work may require mechanical work such as removal of ceiling tiles, drilling holes in walls and floors and similar changes to an existing building. Contractors shall restore such disturbed areas as close to the original condition as possible. Note that some buildings may have interlocking tile ceilings as well as drop-in type ceiling tiles. Tiles damaged by the contractor shall be replaced by the contractor, at no cost to the Board.
- 4.3 All wiring shall be concealed to the maximum extent practical. When retrofitting existing systems, existing conduits, floor ducts and power poles shall be used where possible. This will require the removal of existing wiring and replacement with new wiring.
- 4.4 At retrofit locations, the existing systems shall be maintained in operation to the maximum extent possible, while the new systems are being installed. It is understood that there may be reductions in service and that various locations may be out of service while they are being replaced. It will be necessary to cooperate with the building personnel to reduce interruptions to a minimum.
- 4.5 Prior to performing any work the contractor and the Board's representative shall determine if a hazard exists. If, during the work, asbestos is suspected or discovered the contractor shall immediately notify the Board's safety office and designated Board personnel. If there is a hazard all work will stop at that location until the hazard is removed by the Board.
- 4.6 No PVC conduit shall be used above ground but may be installed underground. If PVC is installed underground it shall be no smaller than 1" diameter and shall be schedule 40 type. Metal conduit shall be used at the end of underground PVC where the run leaves the earth and enters a building, if it enters through an outside wall and is exposed.
- 4.7 Conduit shall be mounted ten feet above the floor or as high as practical if the ten feet height is not possible.

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- 4.8 The types of conduit and the locations where each type may be used shall be governed by Miami-Dade County Public Schools Master Specifications, see Master Specifications, Divisions 13 and 16. This document can be found at <http://facil.dade.k12.fl.us/facplan/MasterSpec.htm>.

5.0 ADDITIONAL TECHNICAL REQUIREMENTS

5.2 The equipment and software shall enable Windows based personal computers, as well as Apple computers, equipped with Ethernet 10/100BaseT network interface cards, to connect to a wireless station (adapter) with a standard cable. These computers shall be able to access common applications provided via the network such as Internet browsing, mainframe computer CICS applications etc.

- 5.3 The equipment, known as an access point, used for the connection between the wireless and the wired network shall be manageable from both the wired and wireless network. Management shall include configuration, diagnostics and software upgrades. The equipment shall function as a transparent bridge.

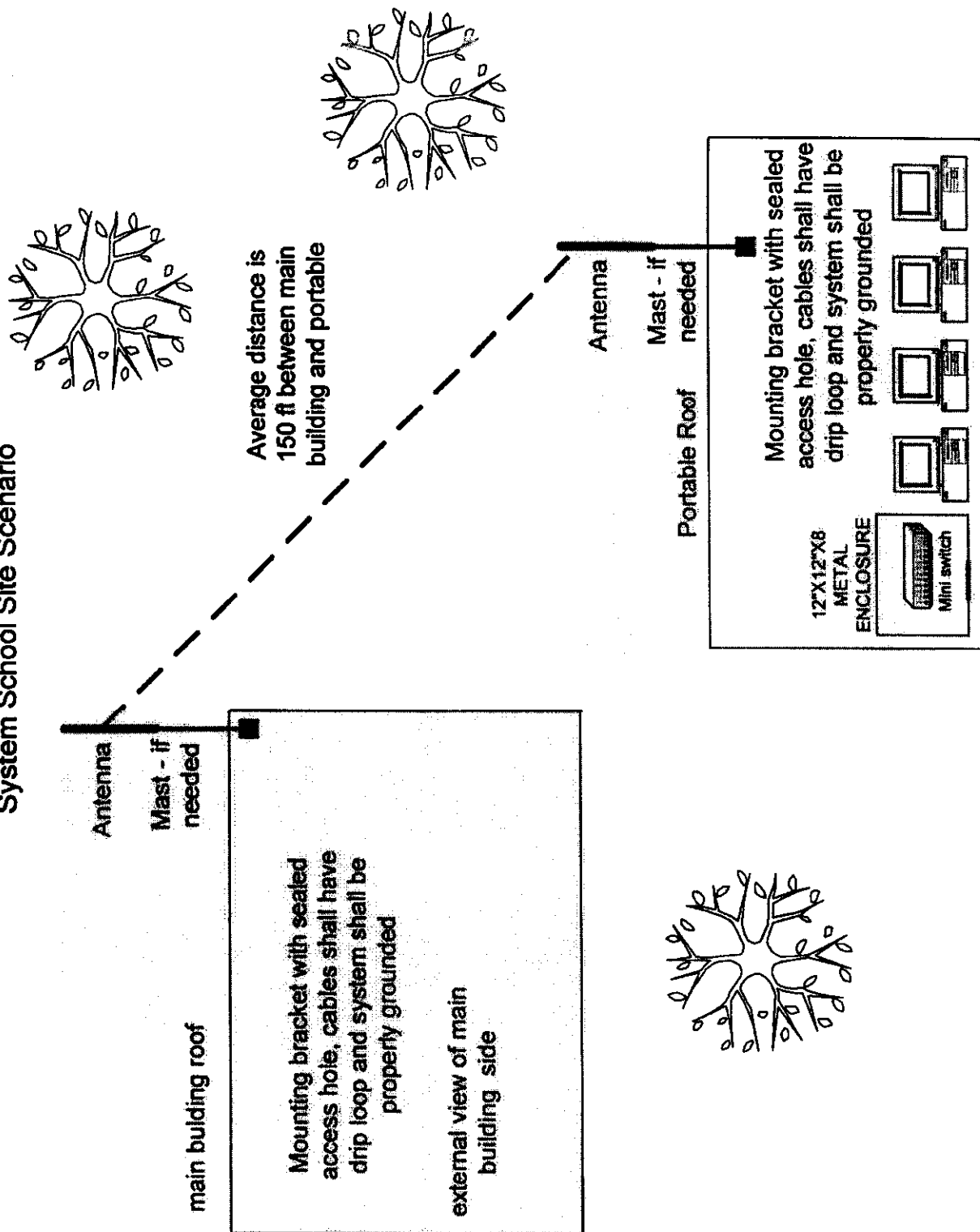
- 5.4 The access point equipment shall, as a minimum, be able to operate with fifteen (15) separate groups of up to four stations in each group.

- 5.5 The wireless system shall provide security by the use of data encryption or by the use of keys, codes or MAC addresses to restrict access to each channel of the system. Encryption shall be provided as a required part of each system. A detailed list of the security features shall be provided with the Bid Proposal.

- 5.6 The wireless system shall provide a roaming feature that functions seamlessly from one access point to another access point.

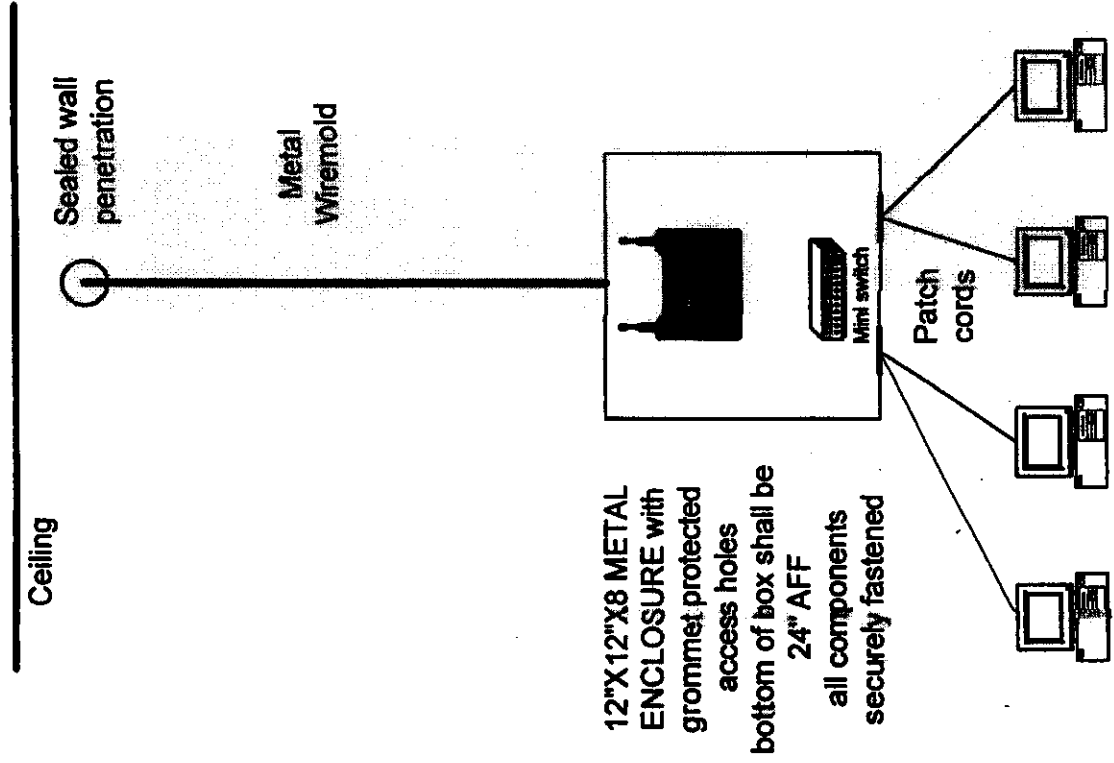
The system shall include software that will provide diagnostic, troubleshooting and other related management capabilities. A detailed list of the features of this software should be provided with the Bid Proposal.

Wireless Bid System School Site Scenario



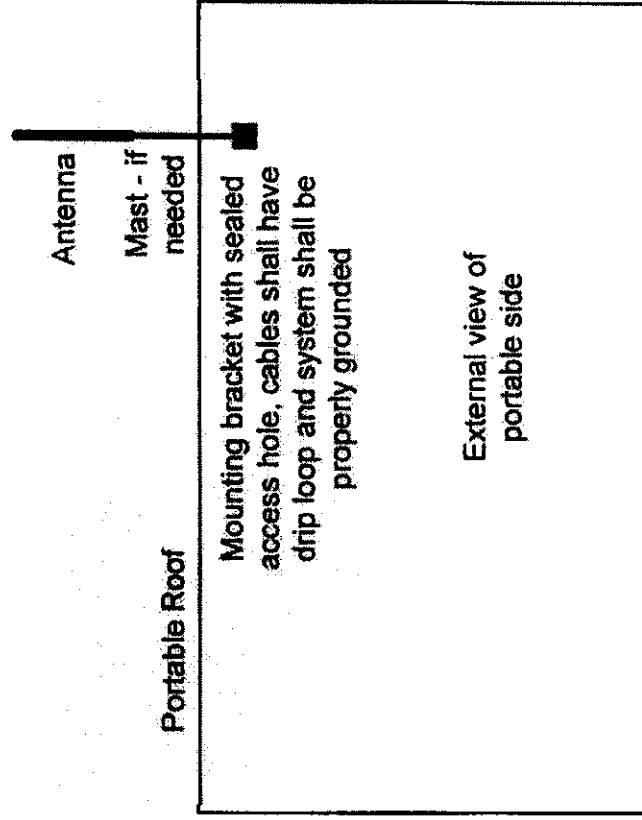
Notes: Assume outside antennas on both buildings. All necessary wiring from wireless equipment to existing network in main building will be included. An average of 4 computers per portable classroom. Portable may have existing Cat 5 wiring or require appropriate wiring to be run.

Wireless Bid
Typical Internal
Portable Installation

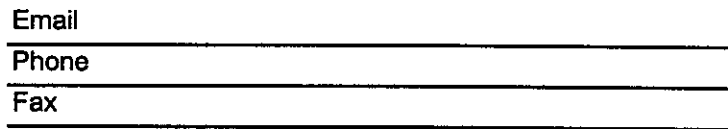


Attachment #2

Wireless Bid
Typical External
Portable Installation



Wireless Networks, Telecommunication (Furnish and Install, Voice and Data)

[illegible]

Reference Sheet

The School Board of Miami-Dade County, Florida

Bid #0105-CC04

Wireless Networks, Telecommunication (Furnish and Install, Voice and Data)



Bidder: _____

Sales Representative: _____

Email

Phone

Fax _____

Service Representative: _____

Email

Phone

Fax

Years in business:

URL:

Street Address

Street Address

City _____ State _____ Zip Code _____

City

State

Zip Code

Please list below your most recent references and indicate the type of equipment installed for each client. References will be verified.

References: Company	Contact	Address	Phone	Equipment

Vendor Information Sheet

The School Board of Miami-Dade County, Florida



1A.

Federal Employer Identification Number

Or

Owner's Social Security Number

1B.

Name of Firm, Individual(s), Partners or Corporation

Street Address

City

State

Zip Code

2. Telephone/Fax/Contact Person

Telephone number

Fax number

Contact Person

E-mail address

3. Ownership Disclosure

If the contract or business transaction is with a corporation, partnership, sole proprietorship, or joint venture, the full legal name and business address shall be provided for the chief officer, director, or owner who holds, directly or indirectly the majority of the stock or ownership. If the contract or business transaction is with a trust, the full legal name and address shall be provided for each trustee and each beneficiary. **Post Office addresses are not acceptable.**

Name	Title	Address	Gender	Race-ethnicity	Stock Ownership

NOTE: The information provided by the vendor on this form should be consistent with that provided on the "Vendor's Application". All vendors must have a current vendor's application on file with M-DCPS, and have provided information and/or be familiar with M-DCPS' policy regarding the following: (a) Employment Disclosure, (b) Drug Free Workplace, (c) Family Leave Policy, (d) Code of Business Ethics, (e) Conflict of Interest, (f) Perception, (g) Gratuities, and (h) Business Meals. Failure to provide M-DCPS a current vendor application may cause the vendor not to be awarded any new business with M-DCPS. Vendor applications can be downloaded at: <http://procurement.dadeschools.net>