INVITATION TO BID NO: 14-X-2252488

STATE OF ALABAMA

DEPARTMENT OF FINANCE
DIVISION OF PURCHASING

INVITATION TO BID

REQ. AGENCY : 999999
PURCHASING DIVISION
AGENCY REQ. NO. :
T-NUMBER : T520
DATE ISSUED : 08/15/13
VENDOR NO. :
VENDOR PHONE NO. :
SNAP REQ. NO. : 1512203
BUYER NAME : PAT ANTLE

FOR: PREMISE DISTRIBUTION SYSTEM

BUYER PHONE NO. : (334) 242-7253-
PURCHASING PHONE NO: (334) 242-7250

BID MUST BE RECEIVED BEFORE:
DATE: 09/23/13 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:
DATE: 09/24/13 TIME: 10:00 AM

TO BE COMPLETED BY VENDOR

INFORMATION IN THIS SECTION SHOULD BE PROVIDED, AS APPROPRIATE. BID RESPONSE MUST BE IN INK OR TYPED WITH ORIGINAL SIGNATURE AND NOTARIZATION.

1. DELIVERY: CAN BE MADE _____ DAYS OR _____ WEEKS AFTER RECEIPT OF ORDER

2. TERMS: _____(DISCOUNTS ARE TAKEN WITHOUT REGARD TO DATE OF PAYMENT.)

3. PRICE VALID FOR ACCEPTANCE WITHIN _____ DAYS.

4. VENDOR QUOTATION REFERENCE NUMBER, IF ANY: _____
(THIS NUMBER WILL APPEAR ON THE PURCHASE ORDER.)

5. E-MAIL ADDRESS: _____

INTERNET WEBSITE: _____

6. GENERAL CONTRACTOR'S LICENSE NO: _____

TYPE OF G.C. LICENSE: _____

***** IMPORTANT NOTE: *****
BIDDERS MUST COMPLY WITH ALL "BID RESPONSE INSTRUCTIONS" ON PAGE 2, TO INCLUDE ITEM 6 - COPY REQUIREMENT.

RETURN INVITATION TO BID:

US MAIL

STATE OF ALABAMA
DEPARTMENT OF FINANCE
DIVISION OF PURCHASING
P O BOX 302620
MONTGOMERY, AL 36130-2620

COURIER

STATE OF ALABAMA
DIVISION OF PURCHASING
RSA UNION BUILDING
100 N. UNION ST., SUITE 192
MONTGOMERY, AL 36104

SIGNATURE AND NOTARIZATION REQUIRED

I HAVE READ THE ENTIRE BID AND AGREE TO FURNISH EACH ITEM OFFERED AT THE PRICE QUOTED. I HERBY AFFIRM I HAVE NOT BEEN IN ANY AGREEMENT OR COLLUSION AMONG BIDDERS IN RESTRAINT OF FREEDOM OF COMPETITION BY AGREEMENT TO BID AT A FIXED PRICE OR TO REFRAIN FROM BIDDING.

SWORN TO AND

SUBSCRIBED BEFORE ME THIS

_____ DAY OF _____

_____
NOTARY PUBLIC

TERM EXP: _____

_____
VENDOR NUMBER
(MUST MATCH REGISTRATION)

_____
COMPANY NAME

_____
MAIL ADDRESS

_____
CITY, STATE, ZIP

_____
PHONE INCLUDING AREA CODE

_____
AUTHORIZED SIGNATURE (INK)

_____
TYPE/PRINT AUTHORIZED NAME

_____
TITLE

_____
TOLL FREE NUMBER

_____
FAX NUMBER

AUTHORITY:
THE DEPARTMENT OF FINANCE CODE OF ADMINISTRATIVE PROCEDURE, CHAPTER 355-4-1 EFFECTIVE DECEMBER 20, 2001 IS INCORPORATED BY REFERENCE AND MADE A PART OF T HIS DOCUMENT. TO RECEIVE A COPY CALL (334)242-7250, OR OUR WEBSITE WWW.PURCHASING.ALABAMA.GOV .

BID (ITB) RESPONSE INSTRUCTIONS REV: 03/31/11

1. TO SUBMIT A RESPONSIVE BID, READ THESE INSTRUCTIONS, ALL TERMS, CONDITIONS AND SPECIFICATIONS.

2. BID ENVELOPES/PACKAGES/BOXES MUST BE IDENTIFIED ON FRONT, PREFERABLY LOWER LEFT CORNER AND BE VISIBLE WITH THE BID NUMBER AND OPENING DATE. EACH INDIVIDUAL BID (IDENTIFIED BY A UNIQUE BID NUMBER) MUST BE SUBMITTED IN A SEPARATE ENVELOPE. RESPONSES TO MULTIPLE BID NUMBERS SUBMITTED IN THE SAME ENVELOPE/COURIER PACKAGE, THAT ARE NOT IN SEPARATE ENVELOPES PROPERLY IDENTIFIED, WILL BE REJECTED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR LATE BIDS FOR ANY REASON INCLUDING THOSE DUE TO POSTAL, OR COURIER SERVICE. BID RESPONSES MUST BE IN THE DIVISION OF PURCHASING OFFICE PRIOR TO THE "RECEIVE DATE AND TIME" INDICATED ON THE BID.

3. BID RESPONSES (PAGE 1, PRICE SHEET AND ADDENDUMS (WHEN SIGNATURE IS REQUIRED)) MUST BE IN INK OR TYPED ON THIS DOCUMENT. OR EXACT FORMAT WITH SIGNATURES BEING HANDWRITTEN ORIGINALS IN INK (PERSON SIGNING BID, NOTARY, AND NOTARY EXPIRATION), OR THE BID WILL BE REJECTED. UNLESS INDICATED IN THE BID, ALL PRICE PAGES MUST BE COMPLETED AND RETURNED. IF AN ITEM IS NOT BEING BID, IDENTIFY IT AS NB (NO-BID). PAGES SHOULD BE SECURED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR MISSING PAGES. FAXED BID RESPONSES WILL NOT BE ACCEPTED.

4. THE UNIT PRICE ALWAYS GOVERNS REGARDLESS OF THE EXTENDED AMOUNT. A UNIT PRICE CHANGE ON A LINE MUST BE INITIALED BY THE PERSON SIGNING THE BID, OR THAT LINE WILL BE REJECTED. THIS INCLUDES A CROSS-OUT, STRIKE-OVER, INK-OVER, WHITE-OUT, ERASURE, OR ANY OTHER METHOD CHANGING THE PRICE.

5. THE DIVISION OF PURCHASING IS NOT RESPONSIBLE FOR MISINTERPRETATION OF DATA FAXED FROM THIS OFFICE.

6. THE DIVISION OF PURCHASING REQUIRES AN ORIGINAL AND A MINIMUM OF ONE EXACT COPY OF THE SIGNED, NOTARIZED INVITATION-TO-BID TO INCLUDE ANY REQUIRED ADDENDUM(S) AND DOCUMENTATION. THE ORIGINAL AND THE COPY SHOULD BE SUBMITTED TOGETHER AS A BID PACKAGE. FAILURE TO MARK RESPONSES AS "ORIGINAL" AND/OR "COPY" COULD RESULT IN THE ENTIRE BID RESPONSE BEING REJECTED.

7. AN IMPROPERLY SUBMITTED BID, LATE BID, OR BID THAT IS CANCELLED ON OR BEFORE THE OPENING DATE WILL BE HELD FOR 90 DAYS AND THEN DESTROYED. THE BID MUST BE RETRIEVED DURING REGULAR WORK HOURS, MONDAY - FRIDAY, EXCEPT STATE HOLIDAYS. AFTER THE BID IS DESTROYED, THE DIVISION OF PURCHASING ASSUMES NO RESPONSIBILITY FOR THE DOCUMENT.

DISQUALIFIED/CANCELLED BID

BIDS THAT ARE IMPROPERLY SUBMITTED OR RECEIVED LATE WILL BE A RESPONSE FOR RECORD, BUT WILL NOT BE RETURNED OR A NOTIFICATION MAILED.

THE FOLLOWING IS A PARTIAL LIST WHEREBY A BID RESPONSE WILL BE DISQUALIFIED:

- BID NUMBER NOT ON FACE OF ENVELOPE/COURIER PACKAGE/BOX
- RESPONSES TO MULTIPLE BID NUMBERS IN SAME ENVELOPE NOT PROPERLY IDENTIFIED
- BID RECEIVED LATE
- BID NOT SIGNED/NOT ORIGINAL SIGNATURE
- BID NOT NOTARIZED/NOT ORIGINAL SIGNATURE OF NOTARY AND/OR NO NOTARY EXPIRATION
- NOTARIZED OWN SIGNATURE
- REQUIRED INFORMATION NOT SUBMITTED WITH BID
- FAILURE TO SUBMIT THE ORIGINAL BID AND A COMPLETE EXACT COPY
- BID RECEIVED FROM NON-REGISTERED/EXPIRED VENDOR

BEASON-HAMMON ALABAMA TAXPAYER AND CITIZEN PROTECTION ACT (ACT 2011-535 AND AS AMENDED BY ACT 2012-491)

AS A CONDITION FOR AWARD OF THIS ITB, THE VENDOR ACKNOWLEDGES THE FOLLOWING:

"BY SIGNING THIS CONTRACT, THE CONTRACTING PARTIES AFFIRM, FOR THE DURATION OF ANY AGREEMENT THAT THEY WILL NOT VIOLATE FEDERAL IMMIGRATION LAW OR KNOWINGLY EMPLOY, HIRE FOR EMPLOYMENT, OR CONTINUE TO EMPLOY AN UNAUTHORIZED ALIEN WITHIN THE STATE OF ALABAMA. FURTHERMORE, A CONTRACTING PARTY FOUND TO BE IN VIOLATION OF THIS PROVISION SHALL BE DEEMED IN BREACH OF THE AGREEMENT AND SHALL BE RESPONSIBLE FOR ALL DAMAGES RESULTING THEREFROM."

VENDOR NAME :

VENDOR NUMBER: -
ITB NO. : 14-X-2252488 PAGE 3
OPEN DATE : 09/24/13 TIME: 10:00 AM
T-NUMBER : T520
RETURN DATE: 09/23/13 TIME: 5:00 PM

VERIFICATION OF ENROLLMENT IN THE E-VERIFY PROGRAM WILL BE REQUIRED PRIOR TO ANY AWARD TO A VENDOR WHO EMPLOYS ONE OR MORE EMPLOYEES WITHIN THE STATE OF ALABAMA. E-VERIFY DOCUMENTATION SHOULD BE IDENTIFIED WITH THE BID NUMBER AND THE BUYER NAME. FAILURE TO PROVIDE DOCUMENTATION WITHIN 5 CALENDAR DAYS OF NOTIFICATION WILL RESULT IN THE REJECTION OF YOUR BID. TO ENROLL IN THE E-VERIFY PROGRAM VISIT WWW.DHS.GOV/E-VERIFY.

CERTIFICATION PURSUANT TO ACT NO. 2006-557

ALABAMA LAW (SECTION 41-4-116,CODE OF ALABAMA 1975) PROVIDES THAT EVERY BID SUBMITTED AND CONTRACT EXECUTED SHALL CONTAIN A CERTIFICATION THAT THE VENDOR, CONTRACTOR, AND ALL OF ITS AFFILIATES THAT MAKE SALES FOR DELIVERY INTO ALABAMA OR LEASES FOR USE IN ALABAMA ARE REGISTERED, COLLECTING, AND REMITTING ALABAMA STATE AND LOCAL SALES, USE, AND/OR LEASE TAX ON ALL TAXABLE SALES AND LEASES INTO ALABAMA. BY SUBMITTING THIS BID, THE BIDDER IS HEREBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557, THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGES THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.

INFORMATION AND ASSISTANCE TO MINORITY AND WOMEN-OWNED BUSINESSES IN ACQUIRING M/WBE CERTIFICATION MAY BE OBTAINED FROM THE OFFICE OF MINORITY BUSINESS ENTERPRISE, 1-800-447-4191.

VENDOR REGISTRATION AND FEE PAYMENT ONLINE

EFFECTIVE SEPTEMBER 1, 2010, VENDORS MUST REGISTER ONLINE TO RECEIVE NOTIFICATION OF BIDS. GO TO WWW.PURCHASING.ALABAMA.GOV TO REGISTER. BIDS WILL NOT BE ACCEPTED FROM NON-REGISTERED VENDORS FOR BIDS ISSUED AFTER SEPTEMBER 1, 2010. A VENDOR'S REGISTRATION MUST BE MAINTAINED THROUGHOUT THE LIFE CYCLE OF AN AWARDED CONTRACT, TO INCLUDE RENEWAL PERIODS. AT THE TIME OF REGISTRATION, VENDOR MUST PAY A BIENNIAL REGISTRATION FEE. PAYMENT MUST BE MADE BY CREDIT CARD, DEBIT CARD, OR BY ELECTRONIC CHECK. VENDOR NUMBER SUBMITTED ON BID RESPONSE MUST MATCH VENDOR REGISTRATION OR THE BID WILL BE REJECTED.

INTENT TO AWARD

EFFECTIVE MAY 1, 2008, THE STATE OF ALABAMA - DIVISION OF PURCHASING WILL ISSUE AN 'INTENT TO AWARD' BEFORE A FINAL AWARD IS MADE. THE 'INTENT TO AWARD' WILL CONTINUE FOR A PERIOD OF FIVE (5) CALENDAR DAYS, AFTER WHICH A PURCHASE ORDER WILL BE PRODUCED. UPON FINAL AWARD, ALL RIGHTS TO PROTEST ARE FORFEITED. A DETAILED EXPLANATION OF THIS PROCESS MAY BE REVIEWED IN THE ALABAMA ADMINISTRATIVE CODE - CHAPTER 355-4-1(14).

ALTERNATE BID RESPONSE

UNLESS STATED ELSEWHERE IN THIS INVITATION-TO-BID (ITB) THE STATE OF ALABAMA WILL ACCEPT AND EVALUATE ALTERNATE BID SUBMITTALS ON ANY ITB'S. ALTERNATE BID RESPONSES WILL BE EVALUATED ACCORDING TO THE REQUIREMENTS AS ALL OTHER RESPONSES TO THIS ITB.

INTERNET WEBSITE LINK'S

INTERNET AND/OR WEBSITE LINKS WILL NOT BE ACCEPTED IN BID RESPONSES AS A MEANS TO SUPPLY ANY REQUIREMENTS STATED IN THIS ITB (INVITATION-TO-BID).

PRODUCT DELIVERY, RECEIVING AND ACCEPTANCE

IN ACCORDANCE WITH THE UNIVERSAL COMMERCE CODE (CODE OF ALABAMA, TITLE 7), AFTER DELIVERY, THE STATE OF ALABAMA HAS THE RIGHT TO INSPECT ALL PRODUCTS BEFORE ACCEPTING. THE STATE WILL INSPECT PRODUCTS IN A REASONABLE TIMEFRAME. SIGNATURE ON A DELIVERY DOCUMENT DOES NOT CONSTITUTE ACCEPTANCE BY THE STATE. THE STATE WILL ACCEPT PRODUCTS ONLY AFTER SATISFACTORY INSPECTION.

SALES TAX EXEMPTION

PURSUANT TO THE CODE OF ALABAMA, 1975, TITLE 40-23-4 (A) (11), THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

INVOICES

INQUIRIES CONCERNING PAYMENT AFTER INVOICES HAVE BEEN SUBMITTED ARE TO BE DIRECTED TO THE RECEIVING AGENCY, NOT THE DIVISION OF PURCHASING

BID RESPONSES AND BID RESULTS

UNEVALUATED BID RESPONSES (NOT BID RESULTS) ARE AVAILABLE ON OUR WEB SITE AT WWW.PURCHASING.ALABAMA.GOV. BID RESULTS WILL BE MADE AVAILABLE FOR REVIEW IN THE DIVISION OF PURCHASING OFFICE, BUT ONLY AFTER THE BID HAS BEEN AWARDED. WE DO NOT FAX OR MAIL COPIES OF BID RESULTS. IF A VENDOR WISHES TO REVIEW BID RESULTS IN OUR OFFICE, THEY SHOULD FAX THEIR REQUEST TO REVIEW THE BID TWO DAYS IN ADVANCE TO THE "BID REVIEW CLERK" AT (334) 242-4419. BE SURE TO REFERENCE THE BID NUMBER.

FOREIGN CORPORATION - CERTIFICATE OF AUTHORITY

ALABAMA LAW PROVIDES THAT A FOREIGN CORPORATION (AN OUT-OF-STATE COMPANY/FIRM) MAY NOT TRANSACT BUSINESS IN THE STATE OF ALABAMA UNTIL IT OBTAINS A CERTIFICATE OF AUTHORITY FROM THE SECRETARY OF STATE. SECTION 10-2B-15.01, CODE OF ALABAMA 1975. TO OBTAIN FORMS FOR A CERTIFICATE OF AUTHORITY, CONTACT THE SECRETARY OF STATE, CORPORATIONS DIVISION, (334) 242-5324. THE CERTIFICATE OF AUTHORITY DOES NOT KEEP THE VENDOR FROM SUBMITTING A BID.

BID IDENTIFICATION

REFERENCE PAGE 2, ITEM 2. DUE TO THE POSTAL SERVICE PUTTING BAR CODE LABELS ON ENVELOPES, IT CONCEALS THE BID NUMBER AND DATE IF THE VENDOR HAS WRITTEN THEM OTHER THAN THE LOWER LEFT CORNER, THEREFORE THE BID WOULD BE REJECTED FOR NOT BEING PROPERLY IDENTIFIED.

AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009 (ARRA)

COMPLIANCE WITH THE REPORTING REQUIREMENTS OF THE AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009 (ARRA): WHEN THE SELECTED VENDOR IS NOTIFIED BY THE PROCURING AGENCY THAT SPECIFIC PURCHASES ARE BEING PAID WITH ARRA OR STIMULUS FUNDS, THE VENDOR SHALL COMPLY WITH THE ARRA REPORTING REQUIREMENTS DEFINED BY THE FEDERAL OMB. THE PROCURING AGENCY IS RESPONSIBLE FOR INFORMING THE AWARDED VENDOR AS SOON AS THE AGENCY IS AWARE THAT ARRA OR STIMULUS FUNDS ARE BEING USED TO PURCHASE ITEMS OR SERVICES AWARDED BY THE ITB AND WHETHER TO REPORT THE INFORMATION TO THE PROCURING AGENCY OR DIRECTLY TO THE FEDERAL GOVERNMENT. THE PROCURING AGENCY MAY NOTIFY THE VENDOR AT THE TIME THE PURCHASE ORDER IS PROCESSED, BY CHANGE ORDER, E-MAIL OR LETTER. THE VENDOR SHALL PROVIDE THE REQUESTED REPORT INFORMATION AS REQUIRED BY LAW.

PURPOSE:
ESTABLISH A CONTRACT FROM THE ITEMS LISTED FOR ALL STATE AGENCIES. CONTRACT PRICES ARE AVAILABLE TO ALL LOCAL GOVERNMENTAL AGENCIES AND SCHOOLS.

********** E-RATE **********

THE SCHOOLS AND LIBRARIES PROGRAM OF THE UNIVERSAL SERVICE FUND (E-RATE) MAKES DISCOUNTS AVAILABLE TO ELIGIBLE SCHOOLS AND LIBRARIES FOR TELECOMMUNICATION SERVICES, INTERNET ACCESS, AND INTERNAL CONNECTIONS. THE PROGRAM IS INTENDED TO ENSURE THAT SCHOOLS AND LIBRARIES HAVE ACCESS TO AFFORDABLE TELECOMMUNICATIONS AND INFORMATION SERVICES. THE SERVICES OF THIS RESULTING CONTRACT INCLUDE ELIGIBLE E-RATE SERVICES THAT E-RATE ELIGIBLE ENTITIES INCLUDING PUBLIC K-12 SCHOOLS AND LIBRARIES OF ALABAMA MAY CHOOSE TO PURCHASE.

DETAILED INFORMATION ABOUT THE E-RATE PROGRAM CAN BE FOUND AT HTTP://WWW.USAC.ORG/SL/. IT IS A REQUIREMENT THAT THE AWARDED VENDOR WILL PROVIDE A SERVICE PROVIDER IDENTIFICATION NUMBER (SPIN) AND MAINTAIN ELIGIBLE STATUS WITH THE UNIVERSAL SERVICE ADMINISTRATIVE COMPANY (USAC) AND THE FEDERAL COMMUNICATIONS COMMISSION (FCC) IN ORDER TO PARTICIPATE IN THE E-RATE PROGRAM. IN THE EVENT THAT AN E-RATE ELIGIBLE APPLICANT APPLIES FOR E-RATE ELIGIBLE SERVICES AND IS DENIED FUNDING BY USAC OR FCC THE VENDOR MUST AGREE THAT THE APPLICANT IS TO NOT BE HELD LIABLE FOR THE PURCHASE OF THE SERVICES THAT WERE TO BE ESTABLISHED AS A RESULT OF THE E-RATE APPLICATION.

AWARD:
AWARD WILL BE MADE "ALL OR NONE" TO THE LOWEST RESPONSIBLE BIDDER MEETING ALL SPECIFICATIONS.

DELIVERY:
THE VENDOR MUST MAINTAIN AN INVENTORY SUFFICIENT TO MAKE SHIPMENT ON

ALL ORDERS WITHIN THE TIMEFRAME STATED IN THE SOLICITATION.

F.O.B. DESTINATION:
F.O.B. DESTINATION IS THE LOCATION WHERE MERCHANDISE IS DELIVERED AND UNLOADED ON A RECEIVING DOCK, IF AVAILABLE, TO ANY STATE AGENCY AND THE CHANGE OF TITLE TAKES PLACE. VENDOR IS LIABLE FOR FREIGHT CHARGES, RISK OF LOSS OR DAMAGE TO THE MERCHANDISE UP TO THE DESTINATION.

PERFORMANCE GUARANTEE: NOT REQUIRED.
IF THE VENDOR DEFAULTS ON DELIVERY, SERVICE, AND/OR DOES NOT COMPLY WITH THE SPECIFICATIONS, TERMS AND CONDITIONS, IT WILL RESULT IN A 30 DAY WRITTEN NOTICE TO DELIVER THE PRODUCTS, OR PERFORM THE SERVICE SATISFACTORILY AS REQUIRED AND TO REFRAIN FROM VIOLATING ALL BID REQUIREMENTS, OR THE CONTRACT AT THE STATE'S DESCRETION, BE TERMINATED AND THE VENDOR BARRED FROM BIDDING FOR AN INDERTERMINATE PERIOD.

CONTRACT PERIOD:
ESTABLISH A 36 MONTH CONTRACT WITH AN OPTION TO ISSUE A SECOND AND THIRD 12 MONTH CONTRACT WITH THE SAME PRICING, TERMS AND CONDITIONS FOR YEARS FOUR (4) AND FIVE (5).
THE SECOND OR THIRD CONTRACT, IF AGREED BY BOTH PARTIES, WOULD BEGIN THE DAY AFTER THE FIRST OR SECOND CONTRACT EXPIRES. ANY SUCCESSIVE CONTRACT MUST HAVE WRITTEN APPROVAL OF BOTH THE STATE AND VENDOR NO LATER THAN 30 DAYS PRIOR TO THE EXPIRATION OF THE PREVIOUS CONTRACT.

NON-APPROPRIATION OF FUNDS:
CONTINUATION OF ANY AGREEMENT BETWEEN THE STATE AND A BIDDER BEYOND A FISCAL YEAR IS CONTINGENT UPON CONTINUED LEGISLATIVE APPROPRIATION OF FUNDS FOR THE PURPOSE OF THIS BID AND ANY RESULTING AGREEMENT. NON-AVAILABILITY OF FUNDS AT ANY TIME SHALL CAUSE ANY AGREEMENT TO BECOME VOID AND UNENFORCEABLE AND NO LIQUIDATED DAMAGES SHALL ACCRUE TO THE STATE AS A RESULT. THE STATE WILL NOT INCUR LIABILITY BEYOND THE PAYMENT OF ACCRUED AGREEMENT PAYMENT.

PRORATION:
ANY PROVISION OF A CONTRACT RESULTING FROM THIS BID TO THE CONTRARY NOTWITHSTANDING, IN THE EVENT OF FAILURE OF THE STATE TO MAKE PAYMENT HEREUNDER AS A RESULT OF PARTIAL UNAVAILABILITY, AT THE TIME SUCH PAYMENT IS DUE, OF SUCH SUFFICIENT REVENUES OF THE STATE TO MAKE SUCH PAYMENT (PRORATION OF APPROPRIATED FUNDS FOR THE STATE HAVING BEEN DECLARED BY THE GOVERNOR PURSUANT TO SECTION 41-4-90 OF THE CODE OF ALABAMA 1975), THE CONTRACTOR SHALL HAVE THE OPTION, IN ADDITION TO THE OTHER REMEDIES OF THE CONTRACT, OF RENEGOTIATING THE CONTRACT (EXTENDING OR CHANGING PAYMENT TERMS OR AMOUNTS) OR TERMINATING THE CONTRACT.

PAYMENT:
INVOICES WILL NOT BE PAID UNTIL ALL ITEMS HAVE BEEN DELIVERED TO THE DESTINATION IN SATISFACTORY CONDITION.

QUALITY OF MATERIALS AND LABOR:
MATERIALS USED THAT ARE NOT OTHERWISE SPECIFIED SHALL BE THE KIND AND QUALITY CONSISTENT WITH THE TRADE PRACTICE FOR SUCH WORK AND SHALL COMPLY WITH ALL LOCAL CODES. ALL LABOR SHALL BE WELL EXPERIENCED IN THIS TYPE WORK AND IT SHALL BE COMPLETED IN A PROFESSIONAL MANNER.

SECURITY STATEMENT:
VENDOR SHALL ENSURE THAT PERSONNEL INVOLVED WITH ANY STATE AGENCY PROJECT SHALL BE ADVISED OF AND ACKNOWLEGE THE CONFIDENTIAL NATURE OF INFORMATION CONTAINED IN STATE FILES, THE SAFEGUARDS REQUIRED AND CRIMINAL AND CIVIL SANCTIONS OF NON-COMPLIANCE IN FEDERAL AND STATE STATUTES.

PRICE CATALOGS:
VENDOR IS TO SUBMIT THE CATALOG DETAIL PRICE SHEETS THAT WILL BE IN EFFECT DURING THE CONTRACT PERIOD. THE CATALOG DETAIL PRICE SHEETS

MUST BE ENCLOSED WITH THE VENDORS BID, OTHERWISE THE BID WILL BE REJECTED.

NOTE: ALL ITEMS ON THE TARGET CONFIGURATION PRICE SHEETS MUST BE ON THE CATALOG DETAIL PRICE SHEETS!

COMPLETION OF PRICING PAGES:
ALL PRICE PAGES (ITB PRICE SHEET, CATALOG DETAIL PRICE SHEETS, TARGET CONFIGURATION PRICE SHEETS, AND TARGET CONFIGURATION RECAPITULATION SHEET) MUST BE COMPLETED IN THEIR ENTIRETY AND ACCURATE IN CALCULATION OF PRICES OR THE BID WILL BE REJECTED.

QUANTITY:
THE EXACT QUANTITY OF PURCHASES FOR EACH ITEM ON THIS INQUIRY IS NOT KNOWN. THE STATE DIVISION OF PURCHASING DOES NOT GUARANTEE THAT THE STATE WILL BUY ANY AMOUNT. ORDERS WILL BE PLACED BY AGENCIES AND POLITICAL SUBDIVISIONS AND WILL GIVE COMPLETE SHIPPING INSTRUCTIONS.

BIDDABLE SITUATION:
BIDS MAY BE SOLICITED FOR ANY PRODUCT INCLUDED IN THIS CONTRACT WHERE AN IMMEDIATE/EMERGENCY NEED EXISTS, INCLUDING LARGE QUANTITIES. THE DECISION OF THE PURCHASING DIRECTOR AS TO WHAT CONSTITUTES A BIDDABLE SITUATION SHALL BE FINAL AND SHALL NOT BE CONSTRUED AS A BREACH OF CONTRACT.

PRIME CONTRACTOR RESPONSIBILITIES:
THE VENDOR WILL ASSUME RESPONSIBILITY FOR DELIVERY, INSTALLATION AND MAINTENANCE FOR ALL EQUIPMENT/ACCESSORIES AND CONTRACTED SERVICES. THE VENDOR WILL BE THE SOLE POINT OF CONTACT REGARDING CONTRACTUAL MATTERS, INCLUDING PERFORMANCE OF SERVICES AND THE PAYMENT OF ANY AND ALL CHARGES RESULTING FROM CONTRACT OBLIGATIONS, EXCEPT COMMUNICATIONS LINES, MODEMS OR EQUIPMENT OBTAINED FROM A COMMON CARRIER AND/OR OTHER VENDORS CONTRACTED BY THE STATE. ANY ITEMS OFFERED IN THE BID FOR WHICH THE VENDOR IS NOT THE ORIGINAL MANUFACTURER MUST BE CLEARLY IDENTIFIED AND EXPLAINED IN THE BID.

****

THE VENDOR IS REQUIRED TO SUBMIT ONE (1) ORIGINAL BID AND THREE (3) ORIGINAL-QUALITY COPIES OF BID.

****

NOTE: THE TOTAL FROM THE PREMISE DISTRIBUTION SYSTEM ITB TARGET CONFIGURATION RECAPITULATION SHEET IS TO BE ENTERED ON THE ITB PRICE SHEET UNDER "UNIT PRICE" COLUMN.

****

PRICE SHEET

VENDOR NAME :

VENDOR NUMBER: -

INVITATION TO BID

ITB NO. : 14-X-2252488 PAGE 8
OPEN DATE : 09/24/13 TIME: 10:00 AM
T-NUMBER : T520
RETURN DATE: 09/23/13 TIME: 5:00 PM

LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
	UNLESS SPECIFIED OTHERWISE BELOW: SHIP TO: R1 / STATEWIDE				
00002	COMMODITY CODE: 725-23-077381 PREMISE DISTRIBUTION SYSTEM IN ACCOR- DANCE WITH THE PROVIDED SPECIFICATIONS. ********** THE TOTAL FROM THE PREMISE DISTRIBUTION SYSTEM ITB TARGET CONFIGURATION RECAPIT- ULATION SHEET IS TO BE INDICATED TO THE RIGHT UNDER "UNIT PRICE". ********** THE TARGET SYSTEM CONFIGURATION CONSISTS OF THE FOLLOWING: TARGET BUILDING "A" ISP COPPER TARGET BUILDING "A" ISP FIBER TARGET BUILDING "B" ISP COPPER TARGET BUILDING "B" ISP FIBER TARGET BUILDING "C" ISP COPPER TARGET BUILDING "C" ISP FIBER TARGET BUILDING "A" TO "B" OSP TWISTED PAIR TARGET BUILDING "A" TO "B" OSP FIBER TARGET BUILDING "A" TO "C" OSP TWISTED PAIR TARGET BUILDING "A" TO "C" OSP FIBER	1	LT	_____	_____
00003	COMMODITY CODE: 725-23-077382 PREMISE DISTRIBUTION SYSTEM, CATALOG: THIS LINE FOR STATE USE ONLY.	1	EA	_____	_____

PAGE TOTAL _____

BID TOTAL _____

STATE OF ALABAMA

INFORMATION SERVICES DIVISION

INVITATION TO BID

FOR

INSTALLATION AND MAINTENANCE

OF

STATEWIDE TELECOMMUNICATIONS

PREMISE DISTRIBUTION SYSTEMS

ITB NO

14-X-2252488

PREMISE DISTRIBUTION BID

1. ADMINISTRATIVE INFORMATION

1.1 PURPOSE OF ITB

1.1.1 The purpose of this Invitation to Bid (ITB) is to solicit bids for the Design, Installation and Maintenance of the various types of telecommunications Premise Distribution Systems (PDS) as specified in this document. The State Department of Finance, Information Services Division (ISD) to be identified as the STATE for purposes of this ITB will have final authority over any and all State agency contracts established as a result of this ITB, and will authorize payment of invoices resulting from work performed for State agencies.

1.1.2 In addition, this ITB will be used to establish per call maintenance of existing PDS systems for any governmental entity that so chooses. This will include maintenance of all PDS system components in the State Capitol Complex Telecommunications Premise Distribution System. The maintenance provisions of this ITB will apply to any new or existing PDS systems.

1.2 STATUTORY AUTHORITY

1.2.1 **Section 41-4-280, et seq., Code of Alabama (1975)** This statute provides that the Department of Finance, Information Services Division shall acquire network services on behalf of all agencies, departments, boards, commissions, offices, or institutions of the State of Alabama, except those institutions excluded by section 41-4-291 or other provisions of law as effect from time to time.

1.2.2 VENDOR(S) will be required to coordinate all agency contact through the STATE. The STATE will direct the manner in which VENDOR(S) interface with any agency covered under the aforementioned act.

1.2.3 **Section 41-4-291, Code of Alabama (1975)** This statute provides the county and city boards of education, the Educational Television Commission, the Postsecondary Education system, or any public college and university may purchase telecommunication services from this contract. If the above entities elect to purchase from the contact resulting from this ITB, the VENDOR(S) will be required to interface with these organizations as directed by the STATE. VENDOR(S) will be required to deal directly with such agencies with respect to billing.

1.2.4 **Additional Eligible Users** Agencies identified below will be allowed to purchase telecommunications services under the pricing of this ITB. Any service offered under this ITB may be purchased by these authorized Agencies. The VENDOR(S) must deal with each such entity directly in all matters including ordering, installation, service, support and billing.

- Alabama Super Computer Authority
- Local (city and county) governments

1.2.5 The Legislative and Judicial branches are exempt from the provisions of Title 41, Chapter 4, Article 11, governing ISD. These entities or their agents may elect to purchase from this contract at their discretion. If so, the vendor will be required to interface with these organizations directly. If however, the entity is a member of the STATE network infrastructure, the awarded VENDOR will coordinate its activities with the STATE.

1.3 **TERM OF CONTRACT**

1.3.1 The initial contract will be for 3 years with the option to renew for one year at the end of year three, and one year at the end of year four. This option is the STATE's discretion.

1.3.1.1 The STATE shall exercise any option to renew or extend the contract under this section by giving notice 90 days before the expiration of the then effective term of the contract.

1.3.1.2 Bid prices and the Terms and Conditions must remain firm for a period of three years from the date of signing and during any extension as the result of the STATE exercising a renewal option, provided, (1) Price decreases may be put into effect at any time, and (2) the STATE reserves the right to request and accept lower pricing for each of the one-year extensions provided in this section by giving notice of its intention to do so at least 180 days before the expiration of the current term of the contract.

1.3.1.3 State agencies may purchase small quantities of goods and services for remote, off campus, PDS systems from sources other than the awarded VENDOR when that is deemed necessary. Such purchases are limited to $7500 per occurrence.

1.4 **TERMS AND CONDITIONS**.

1.4.1 Requirements and details provided in the administrative section will apply to all categories unless so noted and will supercede any conflicting language contained elsewhere.

1.4.2 VENDOR(S) shall not offer any State agency fixed or promotional pricing lower than the rates submitted for this bid without making the same pricing available to the STATE.

1.4.3 The information submitted by a BIDDER(S) will be used by the STATE for a technical and cost evaluation. The STATE reserves the right to use any other information that it obtains to evaluate BIDDER(S) bids and to make award(s).

1.4.4 Each BIDDER(S), **by signing and returning this bid**, stipulates that it has read, understands, and will comply with all provisions of this ITB.

1.4.5 The contract will be subject to review by legal counsel of the STATE as to legality of form and compliance with Alabama state laws and the terms and conditions of this ITB.

1.4.6 The bid response of the VENDOR(S), together with the specifications contained herein, will be incorporated into the contract.

1.4.7 Any changes or modifications to this ITB will be made by a written addendum issued by the Department of Finance, Division of Purchasing.

1.4.8 The STATE shall not pay any costs associated with the preparation, submittal, or presentation of any bid.

1.4.9 The VENDOR(S) shall abide by all universal service "e-rate" requirements entitling subsidies from the universal service fund administered by the Federal Communications Commission's (FCC) School and Library Division (SLD). The State's obligations under this Agreement shall not be contingent upon receipt of universal service subsidies for the schools and libraries. VENDOR(S) approved to provide services under this network service contract must agree that it will cooperate to receive the maximum allowable universal service "e-rate" subsidy for services purchased pursuant to this contract. For public schools and libraries that choose to participate in a contracted service, the VENDOR(S) agrees to abide by e-rate stipulations.

1.5 **SERVICE CAPABILITY**

1.5.1 Each BIDDER must provide in their response to this ITB, a definition of current and future service capabilities relating to the requirements of these specifications. This includes the following items:

1.5.2.1 Location and availability of manufacturer's engineering support, including contact person. BIDDER must furnish a manufacturer's letter(s) regarding their role in supporting the PDS component(s) in the event that the BIDDER’s relationship with the manufacturer is terminated.

1.6 **CONFIDENTIALITY STATEMENT**

1.6.1 VENDOR(S) shall ensure that personnel involved with any STATE project are advised of, and acknowledge, the confidential nature of information contained in STATE files, the safeguards required, and criminal and civil sanctions for noncompliance in Federal and State statutes. Violation of this confidentiality agreement is grounds for forfeiture of the contract. The VENDOR(S) will be required to have all employees read and acknowledge the Alabama Computer Crimes Act and the privacy statement required of all employees of the STATE. VENDOR(S) must review this act with employees yearly and maintain a record of this being done.

1.7 VOLUME OF BUSINESS

1.7.1 The STATE cannot and does not guarantee any volume of business under any contract awarded under this ITB.

1.8 NONAPPROPRIATION OF FUNDS

1.8.1 Continuation of any contract between the STATE and a VENDOR(S) beyond a fiscal year is contingent upon continued legislative appropriation of funds for the purpose of this ITB and any resulting contract. Therefore, any contract will have the following annual appropriation dependency clause: "*The continuation of the contract is contingent upon the appropriation by the legislature of funds to fulfill the requirements of the contract. If the legislature fails to appropriate sufficient moneys to provide for the continuance of the contract, or if funds from other sources are not available, the contract shall terminate on the date of the beginning of the fiscal year for which funds are not appropriated or available.*" (Code of Alabama, 1975, Section 41-4-286.)

1.9 VENDOR QUALIFICATION

1.9.1 The telecommunications PDS systems procured, implemented and maintained through the contract established as a result of the award of this ITB will serve as wire based transport for Alabama State government. The importance of the efficient and effective installation and operation of these systems cannot be overstated and the timely and successful implementation of PDS systems is of substantial importance. Consequently, of prime importance to the STATE is the VENDOR's ability to provide the engineering, technical, installation, and maintenance services necessary to install and maintain highly reliable and complex premise distribution systems.

1.9.2 Whether a bid is responsive will be determined by the STATE's evaluation of the BIDDER's qualifications (based on information submitted in response to this ITB), the BIDDER's compliance with the technical specifications as set forth herein, and price of the items offered in the Catalog Pricing and Target Configuration pricing. The STATE desires that a BIDDER responding to this ITB provide the STATE with as much detailed information relating to materials, staffing, qualifications, and abilities as possible.

1.9.3 The STATE requires the BIDDER to supply the following information:

1.9.3.1 Provide the STATE with references of three major customers the BIDDER has provided service for in the last 24 months. Major customer will be defined as: Customers with inside plant installations of copper and fiber optic cabling, with a minimum of 3 floors and not less than 200 information outlets per floor. For outside plant major customers will be defined as: Customer with Outside Plant copper and fiber optic cabling between 2 or more buildings which involved boring and/or trenching to install. These cannot be projects for the BIDDER's own company. The STATE will not correct

or attempt to correct incorrect information provided by the BIDDER concerning the BIDDER's references. If the STATE is unable to contact the required number of references, the BIDDER will be disqualified.

1.9.3.2 Post Award the successful VENDOR must provide the STATE with:

1.9.3.2.1 Identify any known companies, contractors, and/or other business entities the VENDOR will utilize to complete projects, and the specific resources that will be utilized.

1.9.3.2.2 Identify all current VENDOR personnel who will be assigned to the State account who have been vendor certified to install Structured Cable Systems (SCS), including Category 5e and Category 6 cabling and components.

1.9.3.2.3 Identify all VENDOR personnel holding BICSI RCDD or RCDD/LAN certificates, who will provide support to the State account.

1.10 **VENDOR REPRESENTATION**

1.10.1 The VENDOR must for the duration of this contract and subsequent renewals, maintain an office providing 90 minute response time to downtown Montgomery, Alabama. The VENDOR must have a representative dedicated to the State account until such time as the STATE determines an account representative is no longer required. When the VENDOR's State account representative is not available, the VENDOR must designate an alternate, and when possible give the STATE a minimum of 48 hours notification when the VENDOR's representative will be unavailable. Vendor must provide contact information for the representative including office, cellular, pager, and home.

1.11 **VENDOR EMPLOYEES**

1.11.1 The BIDDER(S) must provide in its bid response information that will assure the STATE that its employees will be responsible, professional, and trustworthy. Such information shall include processes for screening employees for employment, policies on workplace violence, policies on substance abuse, and policies on employing felons. Failure to have satisfactory procedures in place may result in elimination of the bid.

1.11.2 VENDOR(S) must provide to the STATE names and other identifying information on all VENDOR(S) personnel engaged in work related to the CONTRACT when requested by the STATE.

1.11.3 The STATE reserves the right to request criminal and employment background investigations on some or all persons employed by the VENDOR(S), including subcontractors.

1.11.4 VENDOR(S) shall be held responsible for the actions of their employees while interfacing with STATE resources. While on state premises, the employees will conduct themselves in a courteous, professional manner, adhere to all state and federal laws, and follow the directions of the state contact at those premises.

1.12 **PERFORMANCE BOND**

1.12.1 There will be a performance bond in the amount of five hundred thousand dollars for the ITB. A VENDOR(S)'s failure to comply with the requirements of any category may result in an action against the performance bond. The performance bond will remain in effect for the term of the contract. The VENDOR must deliver the required performance bond to State Purchasing within ten working days after receipt of award notice.

1.13 **EXCESSIVE SERVICE OUTAGE LIQUIDATED DAMAGES**

1.13.1 Liquidated damages are described throughout the bid. If the VENDOR fails to meet the contract service requirements for three consecutive months, the STATE will review the VENDOR's performance and determine whether to proceed against the performance bond and/or cancel the contract.

1.14 **FORCE MAJEURE**

1.14.1 The term "Force Majeure" means an event has occurred that is beyond the VENDOR(S)'s control and without fault or negligence by the VENDOR. Without limiting the foregoing, Force Majeure includes acts of God, acts of public enemy, riots, civil disorder, fire, floods, legal injunctions, and other similar acts beyond the control of the VENDOR.

1.14.2 **Force Majeure shall not include the following:**

1.14.2.1 Late delivery of equipment or materials caused by congestion at the manufacturer's plant or elsewhere, and/or oversold condition of the market

1.14.2.2 Late performance by a subcontractor

1.14.2.3 Inability of the VENDOR(S) to keep or acquire required licenses, bonds, insurance or permits

1.15 **TRANSFER/SALE OF BUSINESS UNIT**

1.15.1 Should the VENDOR(S) sell or transfer any portion of the awarded services to another party, the STATE reserves the right to terminate the CONTRACT with respect to that service or those services and to re-bid that service. In the event that the VENDOR(S) merges with or is acquired by

another business entity this CONTRACT may be terminated without penalty at the option of the STATE. Should such event occur, the VENDOR(S) shall notify the STATE within ten days.

1.16 **SECURITY**

1.16.1 The STATE will require network security and certain items of physical security from the awarded VENDOR.

1.16.2 Any employee of the VENDOR(S) that enters state premises (defined as state owned, leased, or controlled property) shall abide by all state laws governing conduct on such property. Specifically, (1) no VENDOR(S) employee shall enter state premises in possession of any type of firearm or other weapon unless specifically required by STATE, (2) no VENDOR(S) employee shall enter state premises under the influence of, or in possession of, alcohol or any illegal drug or controlled substance, and (3) all VENDOR(S) employees and vehicles entering state premises or coming in contact with state employees are properly licensed, insured, and operated according to Alabama state law. Prior to entering State property, the STATE may require the VENDOR(S) to provide the STATE with the VENDOR(S)'s employee or sub-contractor's name.

1.16.3 Information and conversations of various State agencies are of a highly sensitive nature, any potential contractor must be capable of securing the necessary clearances, approved by the STATE for access to these agencies. Any contract awarded may be contingent upon the acquisition of the required security clearances for the VENDOR employees and subcontractors that may need access to such sensitive areas.

1.16.4 VENDOR(S) representatives must have a photo ID visible at all times when on State property. At a minimum the ID should contain:

- Company Name
- Employee Name
- Date of Birth
- Employee Signature

1.17 **BID PROCESS**

1.17.1 **Response Preparation and Bid Format**

1.17.1.1 The bid response must be in the same format and sequence as this ITB. The bid response must include information sufficiently detailed to prove that the products and services offered meet or exceed the specifications. A bid response will be eliminated from consideration if the services offered do not comply with the requirements of the ITB. If a BIDDER fails to fully complete and submit all forms with the corresponding paragraph information that bid response may be rejected. Should it be determined by the STATE that a bid response fails to specifically respond to all requirements that bid response will be eliminated from consideration.

1.17.1.2 Each bid must be in the same format and sequence as that shown in this ITB, and shall include:

1.17.1.3 All documentation pertinent to the items bid.

1.17.2 **Bid Documentation**

1.17.2.1 Complete technical documentation must be included with the VENDOR's bid response for all items bid. This documentation must substantiate in detail that all items bid meet the specifications and requirements contained in this ITB. Failure of the VENDOR to provide all required documentation will result in disqualification of their bid. The STATE will not accept a URL link to the BIDDER's web site as documentation.

1.17.3 **Additional Information and Comments**

1.17.3.1 The bid should include any additional information that is believed to be pertinent but not explicitly asked for in this ITB.

1.17.4 **BIDDER Responses**

1.17.4.1 A BIDDER(S) may not submit its own contract terms and conditions in a response to this ITB.

1.17.5 **Response Submissions**

1.17.5.1 Each BIDDER is required to submit an original **signed, notarized** bid response, clearly marked "ORIGINAL" and three complete copies each marked "COPY" of their bid. The bid response must present all pricing and technical data clearly and completely. BIDDERS are liable for all errors or omissions contained in their bid. BIDDERS shall not be allowed to alter bid documents after the deadline for bid submittal. BIDDERS are prohibited from submitting more than one bid for the services and materials specified in this ITB. Submission of more than one bid shall result in the disqualification of the BIDDER. All information presented should be relevant in response to a requirement of this ITB

1.17.6 **BIDDER Presentations**

1.17.6.1 BIDDER(S) presentations may be required by the STATE to supplement the bid responses. The BIDDER(S) may be required to submit a synopsis of said presentation, signed by the same official who signed the bid response.

1.17.7 **The STATE desires that the BIDDER provide the following information about their company:**

- Full legal company name
- Year business started
- Type of business entity, Corporation, Partnership, LLC, etc.

- State of incorporation
- Location of headquarters
- Provide details of any litigation your company may be a party to in which an adverse decision might result in a material change in the company's financial position or future viability.

1.17.8 **Inquiries**

1.17.8.1 Any questions that arise concerning technical data in the ITB must be submitted in writing by COB August 30, 2013 to: Pat.Antle@purchasing.alabama.gov. **No questions will be accepted after this date.**

1.17.8.2 The STATE will not be responsible for the successful delivery of fax messages or mail. The BIDDER(S) has the responsibility of verifying receipt of any documents by the STATE if the BIDDER(S) so desires.

1.17.9 **Criteria for Selection**

1.17.9.1 All bids received by the Division of Purchasing on or before the time and date specified on the cover of this ITB that contain all required signatures will be considered by the STATE. Selection will be based on the lowest qualified bid, meeting the specifications contained in this ITB.

1.18 **POST AWARD**

1.18.1 **Prime Vendor Responsibilities**

1.18.1.1 The primary VENDOR will be responsible for coordination of all services with his subcontractors, the State and their contractors. The primary VENDOR will be the STATE's sole point of contact for all services provided as a result of this ITB, this will include all warranty and maintenance activities. Further, the primary VENDOR's State Account representative will update the STATE as to the status of all ongoing projects in writing at intervals of no more than 10 VENDOR work days. The VENDOR will coordinate with the STATE on any issues that need to be resolved to complete a project. In addition, it is mandatory that the VENDOR have a representative at all project meetings. The successful BIDDER must establish an office no more than 90 minutes driving time from Montgomery, Alabama, within 30 days after notification of the bid award.

1.18.2 **Material Shipment and Site of Installation**

1.18.2.1 All materials, equipment, cables, and ancillary supplies must be shipped FOB destination. A VENDOR representative must be on-site at the time of delivery to inspect and accept shipments. The State will not be responsible for any loss, shortages, and/or damaged

items. The State may not provide a storage area for materials; therefore, it is the responsibility of the VENDOR to acquire adequate storage.

1.18.3 **Invoicing Information**

1.18.3.1 The State cannot prepay for services to be rendered or goods to be delivered; thus, all invoices must be submitted in arrears. All VENDORs must state in the bid the invoicing interval, i.e. monthly, quarterly, etc., for each category of prices.

1.18.4 **New Materials**

1.18.4.1 For the purpose of this ITB, all items delivered to the STATE must be new and acceptable by the original equipment manufacturer for their maintenance and all warranties.

1.18.5 **Title/Risk of Loss**

1.18.5.1 Title to all items will transfer to the State, upon tender of full payment; risk of loss rests with the VENDOR until such transfer.

1.18.6 **Insurance**.

1.18.6.1 Upon selection, the successful VENDOR must cause a Certificate of Insurance to be issued naming the State as an additional insured. This Certificate of Insurance must be received and approved before the start of work.

1.18.6.2 The insurance coverage must be issued by a company authorized to do business as an insurance company in Alabama. The certificate must evidence the following coverage in at least the amounts shown.
1.18.6.3 Workman's Compensation (including occupational disease) under the terms of the Alabama Workman's Compensation Act.

1.18.6.4 Public or General Liability Insurance to include broad form CGL endorsement, Broad Form Property Damage, Products and Completed Operations, fire, explosion, collapse, and underground hazards (XCU).

1.18.6.5 Bodily Injury:

- Each Person $250,000
- Each Occurrence $500,000

1.18.6.6 Property Damage:

- Each Occurrence $500,000

1.18.6.7 Automobile Public Liability Insurance:

1.18.6.7.1 Bodily Injury:
- Each Person $250,000
- Each Occurrence $500,000

1.18.6.7.2 Property Damage:
- Each Occurrence $500,000

1.18.6.8 Umbrella or Excess Liability $3,000,000

1.18.6.9 The VENDOR must maintain this insurance for the duration of the contract and any subsequent renewals for each project.

1.18.6.10 Assigned Subcontractors must comply with these insurance coverage requirements and must secure a Certificate of Insurance in favor of the State and submit such evidence of insurance to the STATE through the prime VENDOR.

1.18.7 **Site Assistance Visits**

1.18.7.1 It will be the responsibility of the awarded VENDOR to visit sites to determine the material and installation cost of each PDS system. The system is to be installed to meet then current ANSI/EIA/TIA/BICSI engineering practices, and other applicable codes or practices, subject to approval by the STATE. The VENDOR will furnish all labor, materials, tools, equipment, and services necessary for completion of the work as specified.

2. GENERAL REQUIREMENTS

2.1 VENDOR SPECIALIST

2.1.1 The VENDOR is required to have a minimum of one BICSI certified RCDD or RCDD/LAN specialist dedicated to the State account for the contract duration and any renewals.

2.2 VENDOR INSTALLATION PERSONNEL

2.2.1 The vendor is to provide proof of manufacturing and/or BICSI certification in the SCS Category 5e and category 6 wiring systems.

2.3 ENGINEERING AND INSTALLATION STANDARDS

2.3.1 All systems will be engineered and installed to meet then current ANSI, EIA/TIA, BICSI, IEEE, NEC, NEMA UL, FCC, NCTA, NFPA, and NTSC standards and practices for premise distribution systems, and other applicable codes or practices, subject to approval by the STATE. The VENDOR will furnish all labor, materials, tools, equipment, and services necessary for completion of the work as specified.

2.4 TRAINING

2.4.1 As required, the VENDOR must provide appropriate training for STATE personnel on the configuration and operation of any items/services supplied. Training for installation of Category 5e and Category 6 wiring must also be included so that STATE technicians can maintain or attain proficiency to perform adds, changes and additions, and such installations as the STATE may decide to undertake. Any charges for training must be included in the catalog detail pricing.

2.5 DOCUMENTATION POLICY

2.5.1 The VENDOR is required to supply the respective State agency and the STATE with copies of all applicable documentation as specified in this ITB, for each installation.

2.6 SERVICE CAPABILITY

2.6.1 Each BIDDER must provide in their response to this ITB, a definition of current and future service capabilities relating to the requirements of these specifications. This includes the following items.

2.6.1.1 Location and availability of manufacturer's engineering support, including name and telephone number of contact person. BIDDER must furnish a manufacturer's letter(s) regarding their role in supporting the PDS component(s) in the event that the BIDDER’s relationship with the manufacturer is terminated.

2.6.1.2 Location of other service centers in the State, with the name

and telephone number of a contact person at each.

2.7 **STANDARDS FOR EQUIPMENT AND MATERIALS**

2.7.1 All equipment and material must conform to the current applicable industry standard(s), workmanship and appearance will be as important as the electrical and mechanical performance. The manufacturer and part numbers used throughout this ITB are for reference only. Defective or damaged materials must be replaced or repaired in a manner which meets with the approval of the STATE, and at no additional cost to the STATE prior to final acceptance.

2.7.2 Unless more rigid specifications are established, all equipment and materials must comply with the then current standards, codes, and regulations of the FCC, EIA/TIA, IEEE, BICSI, NEC, ACI, NEMA, REA, ANSI, NCTA, NTSC, ASTM, and/or IPCEA and must be Underwriter's Laboratories (UL) listed and labeled unless otherwise indicated. The National Electrical code will be used only for minimum requirements and not as design criteria. All applicable local, State, and federal construction regulations, standards and practices associated with the project will apply and be followed. Where requirements of the specifications conflict with existing rules, codes, etc., the STATE will be notified in writing and will render a decision prior to the work being performed.

2.8 **MANUFACTURER SCS WARRANTY**

2.8.1 The VENDOR shall provide a minimum fifteen year warranty for new SCS installations and/or extensions to existing installations that meet or exceed TIA/EIA 568-A, B, & C, TSB-67 or ISO/IEC IS 11801 specifications. The warranty must be backed by manufacturer and the vendor. Materials that are not manufactured by the manufacturer of the Category 5e and 6 SCS manufacturer, must be warranted for a minimum of three (3) years from the date of acceptance by the STATE. All warranties must be backed by the VENDOR and any component found defective during the warranty period, must be repaired or replaced at no cost to the STATE.

2.9 **RESPONSE TIME FOR INSIDE AND OUTSIDE PLANT MAINTENANCE**

2.9.1 Response time for the purposes of this ITB will be the interval between receiving actual notification of outage and arrival of the first qualified maintenance personnel.

2.9.2 Response time for outages involving any components and cabling as bid in Sections 3 through 5 of this ITB will not exceed eight (8) hours during the state's normal working hours (8 a.m. to 5 p.m., Monday through Friday) or a maximum of twenty-four (24) hours outside of normal working hours. Emergency situations may require faster response times, and should be addressed in response to this paragraph.

2.9.3 The VENDOR agrees to complete repair of the components or cable(s) or any portion thereof within eight (8) hours after arrival of the first authorized service personnel at the site with the following exceptions: In

the event additional parts, equipment and/or personnel are required from other locations to complete the repair(s), such parts, equipment and/or personnel must be on site and said repair(s) completed within twenty-four consecutive hours after arrival of the first authorized serviceman. In critical situations the VENDOR will be required to make temporary repairs when possible to restore service.

2.10 **PER CALL MAINTENANCE**

2.10.1 Per call maintenance will be used on any PDS component or system that is out of warranty. The VENDOR must provide per call maintenance cost which is to include an itemized list of all costs such as travel, mileage, labor, room and board, etc., in the pricing section (Miscellaneous Labor Rates) of this ITB.

2.11 **CABLE LOCATION SERVICE**

2.11.1 The VENDOR must provide cable locating services for all types of Premise Distribution Systems (PDS) Statewide. All locations of cables must be marked (Painted) with the appropriate color paint. Pricing for this service will be on a per call basis and be shown in the Catalog Pricing section.

3. TWISTED PAIR

3.1 GENERAL

3.1.1 The intent of this section of the ITB is to have the successful BIDDER engineer, design, install, and maintain the twisted pair premise portion of the distribution system for buildings/facilities throughout the State of Alabama. This is to include existing State owned inside and outside plant facilities. The State may elect to add or delete any building or portion thereof with respect to inside and/or outside plant facilities. Therefore all pricing must be done on a unit basis for all materials, components, and installation such that the STATE may determine the incremental cost for such additions or deletions to the lowest applicable component.

3.2 MATERIAL AND COMPONENTS

3.2.1 All bids must include the cost of all materials, installation, acceptance testing and maintenance of twisted pair Telecommunications Premise Distribution System (PDS) components specified in this document. The bids must include but are not limited to, the following:

3.2.1.1 **Building Entrance Terminal (BET)/Main Distribution Frame (MDF)**. The first cross-connect distribution terminal within a building or structure on which outside plant (inter-building cable) and internal building cable (intra-building cable) is terminated. Solid state protector modules for associated outside cable pairs and a grounding source are associated with each BET/MDF. The location of each BET/MDF will be furnished to the VENDOR by the STATE.

3.2.1.2 **Intermediate Distribution Frames (IDF)**. A cross-connect frame installed on the unprotected side of the BET/MDF on which the Riser cable and Station cable is terminated. The location of each IDF will be furnished to the VENDOR by the STATE or the contracting agency.

3.2.1.3 **Inter-building Cable (Outside Plant)**. Cable plant that connects the MDF with a BET, or a BET with another BET.

3.2.1.4 **Intra-building Cable (Inside Plant)**. Internal building cable that connects the MDF/BET to each IDF and/or the internal building cable that extends from a BET or an IDF to the telecommunications outlet or other demarcation. Intra-building cable is designated in two manners:

3.2.1.4.1 **Riser Cable**. Intra-building cable that cross-connects the BET to each IDF or cross-connects the MDF location to each IDF in the building housing the MDF.

3.2.1.5 **Telecommunications Outlet (TO) Systems**. The STATE has adopted two wiring standards for voice, low to high speed data, and

local area networking.

3.2.1.5.1 For standard additions to existing Category 5 or Category 5e installations and in new installations all materials must be Category 5e standards specs per TIA/EIA 568-A, TSB-67 or ISO/IEC IS 11801 specifications. Where analog telephone systems are in use, such installations will consist of two or more Systimax MPS100E 8-pin modular jacks or equal, with two or more runs of Systimax 2061B+ cable or equal to the jacks. Where VoIP technology is in place such installations will consist of one Systimax MPS100E 8-pin modular jack or equal, with one run of Systimax 2061B+ or equal cable to the jack. Also to be included in the cost of the telecommunications outlet are Category 5e Systimax or equal 110, or patch panel demarcations in the MDF/BET/IDF, face plates, and all other materials and components required for a functional, certified system.

3.2.1.5.2 For selected new installations and for additions to existing systems where enhanced performance is required, a SYSTIMAX Category 6 or equal system will be used. Where analog telephone systems are in use, such installations will consist of two or more Systimax or equal MGS400 8-pin modular jacks, with two or more runs of Systimax or equal 2071 cable to the jacks. Where VoIP technology is in place such installations will consist of one Systimax MPS100E 8-pin modular jack or equal, with one run of Systimax 2061B+ or equal cable to the jack. Also to be included in the cost of the telecommunications outlet are Category 6 Systimax or equal 110, or patch panel demarcations in the MDF/BET/IDF, face plates, and all other Category 6 components and materials necessary for a functional, certified system.

3.2.2 Additional items and services to be included in the distribution, conduit, and cable system are: Protectors, ground wiring, ground clamps, ground rods, grounding bus bars, terminal and equipment housings, duplex modular wall jacks, building conduits, hinged cover surface raceway systems, cable trays, trenching, boring, splicing, distribution conduit, pull-ropes, manholes, vaults, pullboxes, pedestals, pipe pushes, backfilling, compaction and restoration, splice cases, supports, tie-wraps, fire retardant plywood backboards or other mounting requirements, protection blocks, jumpers and any other associated items as required.

3.2.3 The State has buildings which contain asbestos. If asbestos is encountered during cable plant construction, the VENDOR will stop work and notify the STATE immediately so that necessary action may be taken by the State to remove the asbestos or reroute the cabling. In such cases, the cable plant construction schedule will have to be adjusted to allow for appropriate corrective action by the STATE.

3.3 **OUTSIDE PLANT AND ASSOCIATED STRUCTURES**.

3.3.1 The VENDOR must construct various distribution conduit routes to support the cable plant facilities. Included within this scope of work is the excavation and placement of new multiple plastic ducts and/or conduit. It is the VENDOR's responsibility to review any associated engineering documents and determine the quantities needed to meet the requirements of the systems requested. VENDOR must notify the STATE of any discrepancies in the documentation or associated drawings. Spare capacity for future growth must be included. This spare capacity includes "planned" areas where no buildings or small concentrations of owned buildings presently exist. The design of conduit/duct systems is governed by the installation requirements of the contracting agency.

3.4 **EXISTING DISTRIBUTION FACILITIES**.

3.4.1 The STATE reserves the right, after award of the contract, to purchase selected portions of existing Outside Plant and Inside Plant from local exchange carriers. This will only be done where the STATE and VENDOR agree that the selected portions are in good working condition, and will not jeopardize the long term reliability and quality of the new telecommunications distribution system, and will make an orderly transition to the new system possible.

3.4.2 Any existing Outside Plant that the VENDOR plans to reuse will require the approval of the STATE. If approved for use, it will be completely tested and guaranteed by the VENDOR under the same warranty as new cable plant.

3.4.3 Upon STATE approval for use of existing conduit, the VENDOR must remove any existing wire or cable to clear conduits for new placements. STATE approval is required prior to removal or rearrangement of any existing cable, wiring or plant facilities.

3.4.4 Used cable and conduit will be inventoried and mapped on the appropriate "as-built" drawings by the VENDOR. Re-used cable plant will be free of contaminated circuits, bridges, and taps. All distribution frames scheduled for reuse will be refurbished (physically and electrically) as required, and re-identified to the acceptance of the STATE. All conduit approved for re-use must be certified by the VENDOR to be a clear, sound path for cable pulling prior to cable installation. The STATE will provide assistance in locating existing cable and conduits and any records that are available.

3.4.5 The STATE requires that only existing conduit previously allocated for telecommunications be used in any distribution design and installation. Use of any existing or future electrical distribution conduit in any part of the system for communications cabling will not be permitted.

3.5 **NEW CONDUIT DISTRIBUTION**.

3.5.1 New conduit routing will be determined by the VENDOR and the

STATE, and will be coordinated with the appropriate authority for the purpose of obtaining rights-of-ways, permits and etc. The State requires the VENDOR to obtain all rights-of-way. It will be the VENDOR's responsibility to coordinate with the State and all utilities to avoid interrupting their service.

3.6 **CABLE PREMISE DISTRIBUTION SYSTEM REQUIREMENTS**.

3.6.1 For the purposes of this section of the ITB, the term "CABLE PREMISE DISTRIBUTION SYSTEM" specifically refers to the twisted pair, copper conductor, cable network which is a part of the Outside Plant and Inside Plant, the major purpose of which is to interconnect data equipment, station instruments, and other terminal devices to switching systems or other devices. CABLE PREMISE DISTRIBUTION SYSTEM specifically does not include similar or "other" types of transmission facilities, cable or otherwise, that might be provided as transmission media. The "other" transmission systems include Fiber Optic, special data, IBM Type-1, and coaxial cable systems. Fiber Optic system requirements are detailed in sections IV and V of this ITB. Major elements of the CABLE PREMISE DISTRIBUTION SYSTEM will include but not be limited to the following:

3.6.1.1 Standard exchange-type telephone cable which is defined as paired, multi-conductor, thermoplastic insulated, copper cable, either air core or gel filled.

3.6.1.2 All terminating hardware which typically includes an MDF to interface the CABLE PREMISE DISTRIBUTION SYSTEM to the line side of the customers equipment, BET's to interface the Inside Plant to the Outside Plant, IDF's to interface the Riser Cable to the Station Cable, and the station jacks/outlets.

3.7 **CABLE SPECIFICATIONS AND DESIGN REQUIREMENTS**

3.7.1 Only 24 AWG solid copper wire meeting the Systimax or equal 5e or 6 cable specifications will be allowed in the installation of any new twisted pair Inside Plant PDS SYSTEM except in special cases expressly approved by the STATE.

3.7.2 All MDF/BET/IDF patch panel and connector blocks must be Systimax or equal PowerSum or GigaSpeed patch panels and "110" Category 5e or 6 high density blocks. All MDF/BET connector blocks must be pre-stubbed and protected. Use of "66" type connector blocks is not acceptable except when required to repair existing PDS Systems.

3.7.3 The following color coded labeling shall be applied to the administrative fields of ALL Systimax or equal 110 Hardware:

a. Blue - Identifies cable demarcations for Telecommunications Outlets (TO) located in offices and other work areas. Labels must indicate jack numbers for Voice and Data portion of the TO.

b. White - Identifies cable demarcation of backbone/riser and campus cable connections between equipment rooms and riser/satellite closets, or between buildings in a campus environment.

c. Gray - Identifies tie cables between a backbone/riser and a satellite closet, or between satellite locations.

d. Green - Identifies Bell Operating Company Demarcations.

e. Purple - Identifies system common equipment such as PBX, or Data Switching Demarcations.

f. Yellow - Identifies auxiliary equipment demarcations.

g. Orange- Identifies transmission equipment (i.e., Multiplexers, Channel Banks, etc.), Demarcations.

3.7.4 Plenum rated cable conforming to the then current NEC and NFPA codes, must be used in return air plenum environments or for cable installations which penetrate a fire barrier where no conduit currently exists. The cable must be labeled with "UL" designation as it pertains to this type cable.

3.7.5 Aerial cable construction will be allowed for special applications only and only with the express permission of the STATE.

3.7.6 When direct buried cable plant is being installed and a rock base is encountered, sand padding in the bottom of the trench must be provided and all backfill must be free of rock and other debris to avoid damage to direct buried cable. In addition the trench must be a minimum of 30 inches deep and must be tamped with a mechanical impact device.

3.7.7 Multiple appearances of the same cable counts/pairs will not be allowed without the STATE's permission.

3.7.8 All existing raceways or cable trays will be used for the new cable whenever practical. All exceptions to this require prior approval of the STATE or agency.

3.7.9 Shielded cables must be grounded throughout the CABLE PREMISE DISTRIBUTION SYSTEM, at the MDF, each BET, IDF, and outside distribution terminals.

3.7.10 The minimum specifications for riser and feeder cable are contained in the table below:

SPECIFICATIONS FOR RISER AND FEEDER CABLE

Gauge	24
Maximum Average DC Resistance	26.5 Ohms/1000 feet
Maximum Average DC Resistance Unbalance	1.5%
Mutual Capacitance at 1 Khz	15.7 nF/1000 feet
Characteristic Impedance	
At .772 MHz	102 Ohms +/- 15%
At 1.0 – 16 MHz	100 Ohms +/- 15%
Attenuation (dB/328 ft)	
At .772 MHz	6
At 1 MHZ	7
At 4 MHz	15
At 8 MHz	21
At 10 MHz	24
At 16 MHz	32
Worst Pair-To-Pair NEXT (dB)	
At .772 MHz	43
At 1 MHZ	41
At 4 MHz	32
At 8 MHz	27
At 10 MHz	26

3.8 **TELECOMMUNICATIONS OUTLET WIRING PLAN REQUIREMENTS**

3.8.1 The STATE has established PDS standards (See paragraphs 3.1.5.1 and 3.1.5.4) which defines a telecommunications outlet that consists of station cables which must be uniform throughout the system, except where specifically noted or approved by the STATE (*Note: Category 6 wiring will follow the same configuration as described below, with appropriate substitution of Category 6 rated components as specified in paragraph 3.1.5.4*). Modular, duplex 8 pin Systimax or equal MPS100E series Category 5e jacks installed in Systimax or equal M1XX, M1X, M2X, and M40A1 series telecommunications outlets will be used to terminate outlet cable. Wiring and designation of the typical outlet will be as follows:

3.8.1.1 Where analog telephone systems are in use, the top jack of the outlet, if vertically positioned, or left jack of the outlet, if horizontally positioned, (designated "A") will support: voice, switched data, integrated voice and data services, standard analog instruments, digital instruments including any power and control functions required by the voice or data system used (i.e., the system's most complex/sophisticated instrument). A minimum of four (4) pair Systimax or equal 2061B+ Category 5e wire must be terminated on each "A" jack. All "A" jack pairs will be terminated in the appropriate IDF or BET.

3.8.1.2 The bottom jack of the outlet, if vertically positioned, or the right jack, if horizontally positioned (designated "B"), is intended to be used for switched data communications and LAN connectivity, and

will consist of four (4) pair Systimax or equal 2061B+ Category 5e wire terminated on each "B" jack. All "B" jack pairs will be terminated in the appropriate IDF or BET.

3.8.1.3 The "A" and "B" Outlet cables must be in separate plenum rated cable sheaths conforming to the then current NEC/NFPA codes. All telecommunications outlet cable will be terminated in a consistent manner, i.e., identical use of color code combinations as approved by the STATE.

3.8.1.3.1 Where VoIP technology is in place such installations will consist of one Systimax MPS100E 8-pin modular jack or equal, is intended to be used for switched data communications and LAN connectivity, and will consist of four (4) pair Systimax or equal 2061B+ Category 5e wire terminated on the jack. All jack pairs will be terminated in the appropriate IDF or BET.

3.8.1.4 The STATE requires that the VENDOR provide a fixed cost per telecommunications outlet which includes all materials and labor, including the horizontal cable, jack assemblies, face plates, connectors, Systimax or equal 110 demarcations, and termination of all cable, and any other applicable items.

3.8.1.4.1 The following footage matrix is to be used for pricing all Telecommunications outlet cabling combinations:

- 1 to 100 feet
- 101 to 200 feet
- 201 to 300 feet

3.8.1.4.2 The BIDDER **must** supply all of the various combinations of outlet types and applicable cable types, priced in this matrix format on the catalog detail price sheets with their ITB response. **If the BIDDER fails to provide this pricing matrix, the bid will be disqualified.**

3.8.1.5 The VENDOR shall size the Riser Cable to supply 150% of the "projected outlet capacity" for “A” (non-LAN) jacks. Telecommunications outlet counts will be provided by the STATE.

3.8.1.6 The VENDOR should size the Outside Plant portion to supply 150% of the "projected outlet capacity" of a structure.

3.8.1.7 The VENDOR must install an insulated #6 AWG copper grounding cable to all IDF's from the MDF/BET in each building designated for inside plant construction. The grounding cable must be terminated on a solid copper bus bar and the ground reference must be the same as the MDF/BET for that building. In addition the MDF/BET must be grounded back to the buildings main power grounding electrode point. The vendor is responsible for insuring

that there are no ground loops, or extraneous voltages in the ground system.

3.9 **MDF REQUIREMENTS**

3.9.1 The MDF must be capable of being wall mounted or free standing, metallic, double-sided frame mounted and equipped with Systimax or equal patch panels, 110 Category 5e or 6 connector blocks and terminal blocks. The free standing frame must be mounted in a rigid manner to the floor to prevent movement. Wall mounted BET's/IDF's must be mounted on a prepared surface consisting of 3/4" fire retardant plywood securely fastened to the building walls. Painting of the plywood surface with battleship gray fire resistant paint is required.

3.9.2 The Systimax or equal 110 protector blocks must be equipped with Systimax or equal 4C1S solid-state protector modules on all OSP cable pairs. The catalog detail pricing must include the Systimax or equal 4C3S for use in special services applications.

3.10 **MDF/BET/IDF REQUIREMENTS**

3.10.1 All MDF/BET/IDF's must be of modular design to facilitate future additions and rearrangements and must use Systimax or equal patch panel or 110 high density termination equipment. Locations for terminals will ensure that space is available for any additional transmission media, network electronics, or components.

3.10.2 MDF's/BET's will have solid state protection for all Outside Plant pairs terminated and the protectors must be grounded by means of a #6 AWG insulated copper ground wire, to the ground bus bar, in accordance with current NEC code. Any other method of grounding will require prior approval by the STATE. The maximum permissible resistance to ground, including the resistance of the ground wire, is five (5) ohms.

3.10.3 BET's/IDF's may be constructed in secure utility or similar type closets and typically will not require protective housings. However, terminals constructed in work spaces, hallways, mechanical rooms, janitor or custodial closets or other such exposed areas will require protective housings and covers. Protective terminal housings bid must be approved by the STATE prior to installation. The State will designate the locations for BET/IDF placement.

3.10.4 The State will provide suitable wall and floor space for terminals as well as lighting and power outlets. The VENDOR will provide all required materials to construct the PDS distribution terminals, including but not limited to: fire retardant plywood backboards, metal distributing frames, cross-connect distribution rings, ground wires and rods, mounting brackets, terminal blocks, and any other required items.

3.10.5 BIDDER must specify in the bid the method intended for protection and identification of all "special" circuits on connector blocks, such as data, alarm, video, audio, and telemetry circuits. The protection and

identification method must be approved by the STATE prior to installation.

3.11 **INSIDE PLANT ASSOCIATED STRUCTURES**

3.11.1 VENDOR must provide all telephone raceways, conduits, cable trays, telecommunications outlets, faceplates, enclosures, and terminal cabinets as required for complete installation of the premise distribution system. All inside building conduit runs exceeding two 90 degrees bends must contain properly sized and accessible pull boxes. Conduit runs must not contain square or oval conduit fittings. Installation of a PDS will only begin after it is approved by the State.

3.11.2 VENDOR must provide pull boxes in accessible positions with screw covers, and labeled "COMM". Pull boxes must be supplied in the following sizes:

- 6" x 6" x 12" for 3/4" conduit runs;
- 4" x 4" x 36" for 1" through 2" 1/2" conduit runs;
- 6" x 6" x 36" for 3" and larger conduit runs.

3.10.2 VENDOR must provide 3/32" O.D., 200 pound strength polyethylene pull lines in all spare conduits.

3.12 **OUTLETS AND FACE PLATES**

3.12.1 Duplex outlets will consist of a flush mounted face plate and duplex modular 8 pin jacks. Some applications will require surface mount and/or outlets designed for modular furniture.

3.12.2 Except as otherwise noted, outlets will be located as follows: (Dimensions given are from finished floor to center line of outlet)

- Standard Telephone Outlets.....1'6"
- Wall Mounted Telephone Outlets (Standard).....4'6
- Wall Mounted for Wheelchair Persons:
  - Approach Head-on.....Must meet ADA regulations
  - Approach Parallel.....Must meet ADA regulations

3.12.2.1 The exact location of outlets and equipment will be governed by structural conditions and obstructions, or other equipment items. The final location of all outlets, panels, equipment, etc., will be verified with the State.

3.12.3 All outlets and face plates will be securely installed as a permanent fixture of the building or structure. Temporary outlet placement will not be permitted without prior approval of the STATE. Outlets, face plates, etc., will be properly color coordinated with the surrounding electrical outlets and face plates, or as may be dictated by the architect or the State.

3.12.4 VENDOR must supply telecommunications outlets for the following

mounting configurations for all State buildings/facilities:

- Standard duplex and quad wall mounted receptacle boxes.
- Surface mounted to walls
- Cable raceway in modular furniture panels.
- Surface mounted to modular furniture with magnetic or 2-sided tape
- Floor duct systems
- Thru-floor (Poke-Thru) fittings

3.12.4.1 This does not reflect all the possible mounting configurations that may be encountered in State sites, therefore the VENDOR must also provide unit pricing for other possible mounting configurations.

3.13 **CABLE PREMISE DISTRIBUTION SYSTEM TESTING**.

3.13.1 ALL CABLE PREMISE DISTRIBUTION SYSTEM facilities associated with all State facilities must be "tested" and "verified" by the VENDOR after all installation/repair activities and major plant rearrangements have been completed. Testing of pairs will conform to the design guidelines as specified in this ITB and manufacturer's standards. At a minimum, cable plant testing will diagnose the presence of all open pairs, open-loop conductors, noisy lines and distortion, low-loop current, high-loop loss, ringer failures, presence of AC voltage, and grounded, shorted or crossed conductors. Category 5e and Category 6 structured cable systems shall be tested for conformance to the specifications of TIA/EIA 568B for their category. These tests include wiremap, length, attenuation, near-end crosstalk (NEXT), power sum NEXT, return loss, equal level far-end crosstalk (ELFEXT), powersum ELFEXT, propagation delay and delay skew. The VENDOR must supply complete testing and correction reports and explanations to the STATE for review prior to acceptance of the PDS system(s).

3.13.2 The STATE and the VENDOR, will develop a mutually acceptable format for recording and reporting of test results prior to the start of testing activities. The STATE reserves the right to participate in this testing without prior notification. The maximum allowable defective pairs will be in accordance with the following table:

CABLE SIZE (pair)	ALLOWED DEFECTS (pair)
1 – 50	0
51 - 150	2
151 - 300	4
301 - 400	5
401 - 600	6
601 - 900	8
901 - 1200	10
1201 - 1500	12
1501 - 1800	14

3.13.2.1 The VENDOR will be required to replace all cables that fail

to meet these criteria during the warranty period, at the VENDOR's expense.

3.14 PREMISE DISTRIBUTION SYSTEM IDENTIFICATION AND DESIGNATION REQUIREMENTS

3.14.1 The STATE requires that each MDF, BET, IDF, cable, conduit, terminal enclosure and specified equipment associated with the new distribution system(s) be permanently imprinted with a form of identification tag. This identification must also be placed on any portions of the existing system that are approved for re-use (i.e. vacant conduit, cable re-use, backboards, etc.). The cable identification plan must be distinct and provide color coding for each separate cable media that is installed and indicate the plant as State property. The VENDOR must develop the identification designation plan and submit this plan to the STATE for approval prior to installation. **Hand printed or written identification will not be acceptable**. Identification tags will be VENDOR supplied and installed as follows:

3.14.2 Exposed cables and conduit in manhole/pullbox/vault locations will be identified with a polyethylene plastic strip secured by cable ties. Preprinted, reflective letters that are designed to withstand the temperature and moisture of the specific location, will be installed on the plastic strip. Identification tags will be installed approximately every fifty feet (50'), at each building or structure entrance and exit, and at each splice case location, on each side of the case, for all distribution and feeder cables. Additionally, each splice case will be identified with a flexible numbering system utilizing self-stick vinyl lettering designed for splice case placement and the installation environment.

3.14.3 All cross-connect terminal boxes and associated above ground plant will be identified with preprinted, self-stick vinyl reflective letters that are designed for outside environments.

3.14.4 All building entrance terminals and intermediate distribution frames must be identified on the terminal backboard, or an approved permanent location with preprinted, self-stick vinyl reflective letters.

3.14.5 All building entrance terminal and intermediate distribution frames, and termination hardware will be marked and identified for all associated cable pairs and media terminations with weatherproof black stenciled or typed, indelible ink or preprinted and applied self-stick vinyl letters. Free-hand written designations will not be allowed.

3.14.6 The STATE has approved a jack designation scheme which defines a unique designation for each station outlet. All designations must be stenciled or applied with self sticking vinyl tape printed with a "Brother P-Touch" or equivalent label to the finished outer face of the outlet. Free hand designations or dymo label tape will not be acceptable. Designation information must be included on all applicable "as-built" documentation.

3.14.7 Where direct buried cable plant is placed, above ground identification will be required as indicated:

3.14.7.1 Buried cable warning markers made of fiber-shield fiber-glass or approved equivalent will be installed at STATE designated locations along the buried route. The identification signs will warn of State owned cable plant in the vicinity and will be installed at the proper height as prescribed by all applicable codes and regulations. Direct buried cable plant will also be identified in the trench by placing mid-way between the buried facility and final grade a color-coded six inch wide underground warning tape constructed of a tear resistant, high quality, high visibility polyethylene film that is resistant to humidity, acid, and alkali.

3.14.7.2 All cable pedestals, cabinets and associated above ground enclosures will be identified with preprinted, self-stick vinyl reflective letters that are designed for outside environments.

4. FIBER OPTIC CABLE

4.1 GENERAL

4.1.1 The specifications in this section of the ITB are for a fiber optic cable system for use by the State in transmitting data, and for other high speed transmission applications. The fiber optic cable will be installed for inside and outside plant applications.

4.2 FIBER OPTIC CABLE SPECIFICATIONS

4.2.1 All fiber optic cable and components supplied shall meet the performance specifications of TIA/EIA 568-B.3.

4.2.1.1 **MULTIMODE (62.5/125 MICRON)**. The table below contains the minimum specifications for multimode 62.5/125 micron fiber to be supplied by the VENDOR.

Cladding Diameter	125.0 microns ∀ 2.0 microns
Cladding Non-Circularity	2% maximum
Core Diameter	62.5 microns ∀ 3 microns
Core Non-Circularity	6% maximum
Core/Cladding Concentricity Error	3.0 microns maximum
Coating Diameter (uncolored)	245 ∀ 10 microns
Maximum Fiber Loss @ 850 nm	3.4dB/km
Maximum Fiber Loss @ 1300 nm	1.0 dB/km
Minimum Bandwidth @ 850 nm	200 MHz/km
Minimum Bandwidth @ 1300 nm	500 MHz/km
Numerical Aperture	0.275 ∀ 0.015
Refractive Index Delta	2.0 %

4.2.1.2 **MULTIMODE (50/125 MICRON).** The table below contains the minimum specifications for multimode 50/125 micron fiber to be supplied by the VENDOR.

Cladding Diameter	125.0 microns ∀ 1.0 micron
Cladding Non-Circularity	2% maximum
Core Diameter	50 microns ∀ 2 microns
Core Non-Circularity	6% maximum
Core/Cladding Concentricity Error	12 microns maximum
Maximum Fiber Loss @ 850 nm	3.5 dB/km
Maximum Fiber Loss @ 1300 nm	1.5dB/km
Minimum Bandwidth @ 850 nm (overfilled)	1500 MHz
Minimum Bandwidth @ 1300 nm (overfilled)	500 MHz
Minimum Bandwidth @ 850 nm (LASER)	2000 MHz
Minimum Bandwidth @ 1300 nm (LASER)	500 MHz
Maximum Fiber Loss @ 850 nm	3.5 dB/km
Maximum Fiber Loss @ 1300 nm	1.5 dB/km

4.2.1.3 **SINGLE MODE**. The table below contains the minimum specifications for single mode fiber to be supplied by the VENDOR.

Cladding Diameter	125 microns ∀ 1.0 micron
Cladding Non-Circularity	1% maximum
Colored Fiber Diameter	250 microns ∀ 15 microns
Core Diameter	8.3 microns
Core/Cladding Concentricity Error	0.8 microns maximum
Mode Field Diameter	8.8 microns ∀ 0.5 microns @ 1310 nm
Attenuation @ 1310 nm	0.4 dB/km maximum
Attenuation @ 1550 nm	0.3 dB/km maximum
Zero-Dispersal Wavelength	1310 nm ∀ 10 nm
Maximum Dispersion	2.8 ps/nm-km, 1285 to 1330 nm
Fiber Cutoff Wavelength	∃ 1300 nm

4.2.1.4 Splice Losses Shall Not Exceed:

- Array splice: 0.15 dB
- Fusion splice: 0.2 dB
- Mechanical splice: 0.2 dB

4.2.1.5 Fiber optic cabling used in the Inside Plant will be of air core construction with plenum rated orange or red sheath for all applications. Outside Plant cabling must be either jel-filled or designed with water blocking technology which stops the spread of water if the cable sheath is penetrated. In addition, the cable must have a direct burial jacket and rodent proof sheath for application where required.

4.2.1.6 Fiber optic strands must be terminated into Systimax or equal Light Guide interconnection units or equivalent at the MDF and at each BET and IDF using ST/ST-II/ST-II+ type connectors. Other types of connectors should be bid in the catalog detail pricing for use in special applications.

4.2.1.7 All Fiber optic strands must be certified and be of the same performance, grade, and quality.

4.2.1.8 Installation of all fiber optic cabling shall be done in accordance with the cable manufacturer=s recommendations and all necessary steps shall be taken to minimize macro and micro-bending and other signal impairments.

4.2.1.9 All fiber optic cabling must be run directly from the MDF to the appropriate BET without splicing. In addition, sufficient fiber optic cable must be provided and enclosed in each manhole and pullbox so that in the event splicing is necessary, it can be accomplished outside of the manhole(s).

4.3 **FIBER OPTIC CONNECTORS**.

4.3.1 All connectors must be of high quality materials and construction.

4.3.2 Connectors must provide minimal signal reflection and low loss connections.

4.3.3 Personnel responsible for the installation and maintenance of connectors and associated assemblies must be certified by the connector and fiber optic cable manufacturers to perform said connectorization.

4.3.4 Any connectors found not in compliance with specifications contained in this ITB will be replaced at the VENDOR's expense.

4.3.5 The BIDDER must provide pricing in the catalog detail pricing for 1 and 2 strand fiber optic patch cables in various connector configurations, in lengths of 1 to 100 meters. Both single and multi mode patch cables must be bid. Connector configuration must include at a minimum; ST, STII+, SC, LC, and MTRJ. Patch cables must be available in any combination of these connectors and in any colors provided by the manufacturer.

4.4 **INSTALLATION TESTS**

4.4.1 This section describes the fiber optic cable completion tests. The tests include loss and bandwidth measurements of the point-to-point fiber paths. The cable completion tests are performed after all of the cable has been placed, all splicing completed, and all cross connections made. Results of testing must confirm that both components and fiber circuits are in compliance with design and link loss specifications. Testing records will be maintained along with distribution routing assignments and records.

4.4.2 The optical loss measurements will be made with a single and multi mode optical loss test sets, and an optical time domain reflectometer (OTDR). The bandwidth measurements will be made with a bandwidth test set (BWTS) multimode transmitter used in conjunction with the bandwidth test set multimode receiver.

4.4.3 The cable completion tests described are applicable to multimode optical light-guide media paths operating at 870 nanometers (nm), 1500 nm and/or 1300 nm regardless of the type of fiber, type of cable, grade of cable or the method of splicing (array, fusion or mechanical).

4.4.3.1 Installation final test requirements: Every link will be measured for loss with both an optical loss test set and an optical time domain reflectometer. All loss measurement results will be recorded as permanent records, and provided to the State. The loss test must be performed after any splice testing has been completed and interconnection at the lightwave interconnection hardware or the wall or floor connector has been made.

4.4.3.2 Splice testing must be done using an optical time domain reflectometer.

4.4.4 The open end of any test cord, interconnect cable, or fiber under test shall be covered with protective covers.

4.4.5 Protective covers must be in place on all connectors when they are not in use, to protect against contamination by dust or dirt, and accidental exposure to laser light sources.

4.4.6 Any fiber found to be defective as a result of physical inspection or operational test results, must be replaced at the VENDOR's expense during the warranty period.

5. CONSTRUCTION CRITERIA

5.1 GENERAL

5.1.1 The bid price must include all installation/repair and construction costs including all necessary materials, wire, cables, conduit, labor, trenching, backfilling and any other applicable items.

5.2 ACCESS

5.2.1 The successful VENDOR will have access to the State buildings, including docks and elevators (where available) in order to carry out the required work. Scheduling of activities must not cause disruption of the State or its contractor's activities. Access to the State buildings will be provided in accordance with established State security and housing regulations and must be coordinated with the Assistant Director of Infrastructure for the STATE or his designee. Work inside and outside of all State buildings/facilities and must be coordinated with the general contractor prior to start of work.

5.3 COMPLIANCE WITH LAWS AND REGULATIONS

5.3.1 Nothing contained in this specification or shown on the plans herein must be so construed as to conflict with any local, municipal, federal, or state law, or regulation governing the installation/repair of the telecommunications Premise Distribution System; all such laws or regulations are hereby made part of this specification. If there are violations of codes, the VENDOR must correct the situation at no cost to the State. The requirements of this specification and plans are the minimum that will be accepted.

5.4 WORKMANSHIP

5.4.1 Workmanship and neat appearance will be just as important as the electrical and mechanical integrity and efficiency of the system.

5.5 FASTENING AND SUPPORT

5.5.1 All station related cables, wires, and equipment must be firmly held in place. Fastenings and supports must be adequate to support loads with ample safety factors. It is unacceptable for cables and wires to be laying on ceiling tiles or other objects that are not part of the Premise Distribution System.

5.6 RESTORATION

5.6.1 The successful VENDOR will be responsible for replacing, restoring to at least original condition any damage to floor, ceiling, walls, furniture, grounds, shrubs, pavement, etc., caused by its personnel and operations. Any damage will be restored at the VENDOR's expense. The VENDOR will be responsible for all out of service and damaged equipment/facilities billed

by service provider for the restoration of services and/or repair to personal property.

5.7 **DOCUMENTATION**

5.7.1 **Pre-Construction Drawings**. The VENDOR may be required to submit detailed pre-construction drawings for each segment of the distribution system(s) construction work, following award of the contract. These drawings will be reviewed and approved by the STATE prior to the start of work. The drawings will depict pre-construction work to be performed and the structure or site that the work will be performed upon. "Typical" drawings will not be accepted for pre-construction drawings. Work will not commence until the STATE has reviewed and approved these plans.

5.7.2 **As-Built Documentation**. Following construction of the Premise Distribution System(s), but prior to system acceptance, the VENDOR must submit detailed as-built documentation of the as-installed plant for STATE approval. The documentation format for all "as-builts" must be approved by the STATE prior to development. Drawings for as-built documentation must be produced for each type cable installed. Drawings may be produced utilizing Computer Aided Design (CAD) systems (DWG format) or Microsoft Visio. The VENDOR must provide paper copies in the appropriate size and an electronic file of the records. VENDOR must include in the bid the intended format that will be utilized for as-built drawings and associated documentation, as well as any specialized information. "As-built" documentation must, at a minimum, include but not be limited to, the following information:

5.7.2.1 **Outside Plant (OSP: Twisted Pair)**. Cable identification number/cable design makeup/total amount of pairs/wire gauge, pair count/cable lengths between splice or termination points/splicing identifications and locations/precise cable routing indicating routing facility (conduit or direct buried) and pair terminations/indication of all support hardware/bonding and grounding locations/protected locations/all installed equipment and hardware locations/detail drawings as necessary/associated obstructions and facilities (fence lines, roadways, bores, asphalt, tunnels, trees, shrubs, etc.).

5.7.2.2 **Outside Plant (OSP - Fiber Optics)**. Cable identification number/cable design makeup/total quantity optical fibers installed/mode of fiber/pair count/fiber cable lengths between splice or termination points/splicing identifications and associated dB loss per splice/precise cable routing indicating routing facility (conduit or direct buried) and fiber terminations/indication of all support hardware/wire center detail/bonding and grounding locations/protected locations/all installed equipment and hardware locations (active or passive)/detail drawings as necessary/associated obstructions and facilities (fence lines, roadways, bores, asphalt, tunnels, trees, shrubs, etc.).

5.7.2.3 **Inside Plant (ISP Twisted Pair)**. Distribution terminal

locations by floor and room/terminal identification and pair count information at each BET and IDF/riser cable routing and pair count and cable makeup information/protected, bonded and grounded terminal locations/local power sources (where applicable)/indication of all support hardware/splice points/cable lengths between splices/riser schematic or each building or structure/terminal backboard layout detail for each BET/cable entrance location and building penetration detail/routing for all intra-building cable between distribution terminals/all installed equipment and hardware locations/detail drawings as necessary/indication of associate building structures and equipment (where applicable). Length and route of each riser cable from the BET to each IDF.

5.7.2.4 **Horizontal Cable Plant**. Current set of as-built drawings by floor by IDF showing the Telecommunications Outlet locations, Outlet numbers, horizontal cable route, and cable distance from the IDF to each Outlet, Outlet demarcation location in the IDF.

5.7.2.5 **MDF**: Detailed drawings of the MDF indicating cable pair assignments per connector block (incoming and outgoing), location of TIP splices, protectors, and demarcations.

5.7.2.6 **Fiber Optic Wire Centers**. Detailed drawings of each fiber wire center indicating the exact location and dimension of all hardware, equipment and media terminations.

5.7.2.7 **Tip Splice**. Detailed drawings of the tip splicing indicating routing, support racking, bonding and grounding of entrance cable. Splicing and pair count detail must be included.

5.7.2.8 **Cable Assignment Records**. A complete listing of pair assignment records for the twisted pair cable plant and the fiber optic system. The twisted pair assignment records will indicate all pair assignments and the status of each (good, bad, spare). The fiber optic backbone assignment records will indicate (where applicable) strand allocation and media or protocol dedicated for use.

5.8 INSTALLATION TECHNICIANS AND SUPERVISORS

5.8.1 The VENDOR's technician(s) and their supervisor(s) must be present during any system cutover and must be available for a minimum of ten (10) days after cutover or until such time that all concerned parties (VENDOR and STATE) are reasonably assured of reliable system performance.

5.9 EXISTING SYSTEM

5.9.1 The VENDOR is responsible for ensuring minimal disruption of existing telecommunications systems and networks. Outages will only be scheduled with permission from the STATE, and at the STATE(s convenience.

5.10 **INSPECTIONS**

5.10.1 Unless otherwise expressly provided, any provisions of the specifications requiring the STATE to inspect certain material or work will mean that the STATE has an option, rather than the obligation, to so inspect such material or work.

5.11 **EXCAVATIONS**

5.11.1 The VENDOR will be required to excavate for the installation/repair of underground multiple duct and conduit, and must perform all auxiliary work that may be required. Asphaltic concrete pavement must be sawed or cut, to a depth necessary to bring about a straight line break parallel to the sides or the trench, so as not to disturb the adjoining pavement. All work after its completion must conform truly to lines and grades, as specified by the State and local codes.

5.11.2 Where necessary, the sides of the trenches must be sheeted and braced in strict accordance to the rules, orders and regulations of the State and all applicable local and federal regulations. If water or quicksand is encountered, it may be necessary to sheet the trench solid with sheeting.

5.11.3 The VENDOR must cooperate with the State and maintain access to all areas required by the State. The VENDOR will be liable for all damages suffered by the State resulting from VENDOR's negligence.

5.12 **TRAFFIC REGULATIONS**

5.12.1 All encroachments in highway rights of way must be designated, made, and maintained in accordance with the following:

5.12.1.1 Operations on or about traffic areas and provisions for regulating traffic will be subject to the regulation of governmental agencies having jurisdiction over the affected areas.

5.12.1.2 Keep traffic areas free of excavated material, installation equipment, pipe, and other materials and equipment.

5.12.1.3 **Conformance** - "Manual on Uniform Traffic Control Devices", U.S. Department of Transportation, or applicable statutory requirements of authority having jurisdiction.

5.12.1.4 **Flagmen**. Required to provide for public safety and regulation of traffic.

5.12.1.5 **Warning Signs, Lights. And Audible Signals**

5.12.1.5.1 Protect all roadways by effective barricades on which are placed warning signs and signals.

5.12.1.5.2 Provide barricades, warning signs, and signals for open trenches, other excavations, and obstructions.

5.12.1.5.3 Illuminate by means of warning lights all barricades and obstructions from sunset to sunrise, and during inclement weather that restricts visibility.

5.12.1.5.4 Provide an audible warning for all barricades and obstructions at all times for the visually impaired.

5.13 **CONSUMABLE MATERIALS**

5.13.1 The VENDOR must supply, furnish, fabricate or otherwise provide all utilities, tools, installation equipment, labor, including supervision and inspection and all items of a consumable nature required for completing installation of the distribution system(s) as described in this specification.

5.14 **EASEMENTS**

5.14.1 All easements or right-of-way for the work specified herein will be the responsibility of the VENDOR. If unattainable, the VENDOR may request assistance from the State in determining alternate solutions.

5.15 **PERMITS**

5.15.1 All trenching within public right-of-way owned by or under the jurisdiction of the City, the County, or the State must conform to the appropriate standards. The VENDOR is responsible for obtaining permits and for ensuring that the most current standards are met. The STATE will assist the VENDOR if required.

5.16 **APPROVAL AND REVIEW PROCEDURES**.

5.16.1 No deviations from the requirements and/or intent of this specification will be permitted unless approved by the STATE. Specifically, any changes or requested changes using substitute material from that specified will require the approval of the STATE by written change order prior to insertion into the work.

5.16.2 The STATE's review, or approval of or agreement to the performance of certain items of work, or the provision of certain material will in no way relieve VENDOR of full responsibility for the performance of such work, or for the adequacy of such material. All such reviews, approvals or agreements must be obtained in writing through the STATE.

5.16.3 The STATE reserves the right to inspect any and all phases of the construction and wiring as defined in Sections 3 and 4 of this ITB at any time without prior notification.

5.17 **FINAL CONNECTIONS**

5.17.1 If it is necessary for VENDOR to make connection to any State facilities already in service, VENDOR must request a date for making such connection at least 72 hours in advance so that the State can coordinate

the time to minimize the impact on ongoing operations. Bypass cables must be used to provide uninterrupted service when required by the State.

5.18 **WORK SCHEDULES**

5.18.1 Should a only short time frame be allowed for installation/repair of a premise distribution system, the STATE expects parallel scheduling of as many of the tasks associated with the construction and installation/repair of the premise distribution system as is possible, such that the installation, testing and turn up of the scheduled work is not delayed.

5.19 **WORK WEEK AND OVERTIME**.

5.19.1 The VENDOR should pursue the field installation work on a normal schedule, unless modified in agreement with the State. However, as a pre-scheduled exception, weekends and/or late evening hours may be scheduled for those tasks involving transfer of active circuits, or other activities that would be best accomplished with minimal interference with the State activities. Other than emergency repair, such modified work schedules must be at no additional cost to the State.

5.19.2 The VENDOR may with STATE approval, and at no additional cost to the State, work such overtime as practical and necessary for the proper and timely completion of the work.

5.19.3 The VENDOR must obtain approval from the State not less than two (2) days in advance before changing the weekly work schedule.

5.19.4 The STATE reserves the right to require the VENDOR to modify the weekly work schedule to preclude interference with other ongoing State operations or construction activities. Except in cases of emergency, the VENDOR will be given a minimum of one (1) week notice of such requirement. The VENDOR must maintain sufficient flexibility in his schedule to allow work to continue at alternate locations in the event the State requires modification to the schedule.

5.20 **CLEANUP**

5.20.1 All trash and refuse generated within buildings, on the ground, in street(s), and in manholes must be removed at the end of each work day. All unused State owned copper will be turned over to the State for disposal.

5.20.2 The VENDOR is responsible for removal and disposal of all surplus earth or spoil as a result of the associated construction activities. The State may designate a disposal site for the surplus earth or spoil.

5.21 **PREMISE DISTRIBUTION SYSTEM INSTALLATION REQUIREMENTS**

5.21.1 The premise distribution system(s) must be installed/repaired and completed in every respect, constructed in a professional manner, utilizing current plant installation practices contained within this ITB and as recommended by the manufacturers of the products and materials and

approved by the STATE. The VENDOR and all subcontractors will be responsible for adhering to all State safety and construction guidelines and/or O.S.H.A. safety requirements pertaining to all work operations.

5.21.2 Insofar as possible, all cable, conduit, raceways, etc., must be concealed from view. All distribution facilities will be installed in such a manner as to prevent vandalism and be visually unobtrusive. This will be subject to approval by the STATE.

5.21.3 Materials lists, manufacturer's literature, and other required information must be submitted for STATE approval no less than 30 days before such materials are required to be ordered for the installation work.

5.21.4 Before any installation/repair or placement of underground utilities begins, the entire route must be surveyed with the appropriate STATE project personnel to verify and coordinate locations of items to be installed under contract. Any questions or conflicts which may arise must be resolved to the satisfaction of the project team.

5.21.5 Cable protection will be of the highest concern. The VENDOR will install cable protection "shoes" or other devices as necessary during the placement process to protect the cable plant from sheath damage or kinks throughout the premise distribution system(s). Cable being installed in conduit must be handled with care and protected from being kinked. A kink is defined for purposes herein as a violation of the manufacturer's specified Minimum Bend Radius for each type cable involved. Cable must not be formed into a condition that causes the outside sheath to wrinkle. Unsheathed cable must not be left exposed to the elements.

5.21.6 **Restoration and Repair**.

5.21.6.1 The VENDOR is responsible for all repair of broken or disturbed utilities, reconstruction of damaged or destroyed State equipment and materials and all grounds restoration related to construction of the premise distribution system(s) bid. The "construction route" will be restored to the original or better condition than before construction.

5.21.6.2 Any asphaltic pavement that is cut must be replaced and must conform in kind and quality to the type or pavement removed, but in no case is less than 12" of base rock to be placed beneath the pavement. Where plant mix or asphalt concrete surfacing exists, pavement must not be less than 3" of thickness, or as required by the governing municipality.

5.21.6.3 All concrete pavements must be cut parallel or perpendicular to the direction of the walk, road, etc. All cuts in walkways must be replaced in full sections to the nearest control joint.

5.21.6.4 The VENDOR must replace or begin seeding/sodding no more than seventy-two (72) hours after ground has been compacted.

The VENDOR will be responsible for complete restoration of the re-landscaped area until such time as the area has returned to normal conditions that were present before construction.

5.21.7 **Cable Splicing**.

5.21.7.1 No splices of any type will be pulled into conduits or innerducts. The VENDOR will provide cable in sufficient lengths to assure splicing (if permitted) will occur only in manholes, vaults, and building entrance locations. Locations of such devices must be approved by the appropriate State project personnel. All cable splicing must be 3M type 710 type modules, or equal, to give the quality of high continuity connections. If pairs are not spliced, they must be cleared and capped and waterproofed.

5.21.7.2 Splicing of any horizontal wiring is not acceptable.

5.21.7.3 All cable splices must be fully protected from damage, dust, and moisture. The splice case must be securely supported and must be secured to rack with appropriate hardware and the connecting cables must be supported and secured on each end of the case with splice case racks and support hooks not more than 2 feet from the splice case. Where vertical racking is not present, horizontal racking for support may be used, upon STATE approval, utilizing approved rack adapters and support hooks.

5.21.7.4 All cable must be thoroughly prepared per the splicing enclosure and equipment manufacturer specifications to ensure a good mechanical and electrical bond when splicing. All filled cable must be thoroughly cleaned with a nontoxic, environmentally safe solvent prior to, and after splicing.

5.21.7.5 All necessary steps must be taken to insure sheath continuity for grounding purposes.

5.21.7.6 Gel filled cables of any type will not extend more than 50 feet inside of a building. In situations where the cable(s) will extend further, a transition splice to non-gel filled cable will be required.

5.21.8 **Conduit Distribution System**.

5.21.8.1 The location of all existing underground utilities must be identified by the VENDOR prior to any excavation.

5.21.8.2 New conduit formations must permit standard cable racking without changing the formation as it enters the manhole.

5.21.8.3 All multiple plastic duct must be installed at a minimum of 30" cover below grade level, unless otherwise approved by the STATE. A clearance of 12" minimum must be maintained between conduit and any gas, water or other utilities except at congested crossings (where STATE approval must be obtained). No deviations

in the depth of the ductbanks shall be made without prior written approval from the STATE. All multiple plastic duct must be installed with the appropriate seal and outer clamp assembly around every joint, and be sealed and waterproofed at every manhole entrance.

5.21.8.4 The trench width for installation must not be less than twelve (12") nor more than twenty-four inches (24") greater than the outside diameter of the multiple plastic duct to be laid therein. Where sheeting is required, this width will be increased by the thickness of the sheeting. The trench floor must be leveled off, graded uniformly, cleared of stones and tamped until it is solid and free of soft spots. The center of the bottom of the trench must slope not less than six inches (6") per one hundred feet (100"). The sloping requirement may be changed through STATE approval as required to clear obstructions. Pockets or traps where moisture may accumulate must be avoided.

5.21.8.5 Should the trenching be excavated to a greater depth than that given, the VENDOR must, at his own expense, bring such excavation to required grade with such material as directed; not withstanding that, it may be necessary to bring such material from other locations or to purchase suitable material; and the trench must be tamped. All multiple plastic duct/conduit must be encased in flowable fill to a minimum of 6" above duct/conduit, then the trench must be backfilled with dirt and mechanically tamped. The fill must be free of debris that could damage the duct or cable.

5.21.8.6 All conduits and multiple plastic duct must be thoroughly cleaned before installation within the trench. All conduit ends must be capped or plugged during construction until such a time as cable will be installed within the duct.

5.21.8.7 In the event that the total number of ducts is significantly less than the capacity of the manhole, the ducts must be installed to enter in the lower portion of the knockout slot in order to simplify future conduit additions.

5.21.8.8 Conduit will be installed in a vertical or horizontal format, with separation as specified in this document. Conduits must not be installed in a "bundled" manner.

5.21.8.9 During excavation of the trench, the VENDOR must not obstruct the gutter of any street or driveway, and must provide for the free passage of surface water along the gutters into storm water inlets. The VENDOR must provide channels where necessary.

5.21.8.10 Where groundwater or soft, yielding, or otherwise unsuitable material is encountered in the bottom of the trench, which is an unsuitable foundation for the conduit structure, such material must be excavated from the full width of the trench to a satisfactory depth. The depth must be a minimum of six (6) inches. The resulting space must be backfilled with imported bedding properly

compacted to give proper support to the duct or conduit.

5.21.8.11 All cable must be pulled into conduit using manufacturer's specifications for allowable lubricants, pull rates, and tensions. In the event cable or shield is damaged, or the pulling device separates from the cable, the cable must be removed from the conduit and inspected before re-pulling is attempted.

5.21.8.12 Manhole and Pullbox placement within the premise distribution system will be limited to a distance of no more than (800') without prior STATE approval.

5.21.8.12.1 Manhole work must be undertaken by two or more workers, with one remaining above ground at all times. All applicable safety regulations must be strictly adhered to at all times. Manholes, trenches, and tunnels must be cleared of all litter by VENDOR on a daily basis where work is being performed. Any apparent water seepage or stream leaks are to be reported promptly to the State. It will be the responsibility of the State to insure that automatic sprinkler systems are deactivated in areas where cable splicing is in progress.

5.21.8.12.2 Cables in manholes must be supported by clamps utilizing the strut channels cast in the manhole walls, and must be formed in such a manner as to not interfere with future cable pulls. All cable plant within manholes must be supported on the sides of the structure and not on the floor.

5.21.8.12.3 Bonding in manholes must be made with an approved bond ribbon. Bonds must be formed around walls to keep the center work area clear.

5.21.8.12.4 Barricades meeting federal, state, and local codes, or manhole guards must be erected while manhole lids are open. All manholes must be tested for combustible gases and ventilated prior to entry. All manholes must be ventilated every time they are opened. Manhole lids must never remain open overnight except as required for work purposes.

5.21.8.12.5 All manholes will be placed on a bed of clean dry sand or STATE approved material no less than 6" above the crown of the structure. Both sides of the trench must be filled at the same time. The remainder of the trench must be backfilled with native soil in lifts no greater than 12" and will be mechanically compacted to a minimum relative density of 90%. The VENDOR will be responsible for any structural sinking of the manhole structure for the duration of the warranty period of the distribution system.

5.21.8.13 All holes placed through walls of buildings for the purpose

of installing entrance conduit or cable must be core-drilled. Jack hammer type openings or other type openings will not be acceptable without prior STATE approval. All holes will be sleeved, sealed, and waterproofed.

5.21.9 **Direct Buried Facilities**

5.21.9.1 Direct buried distribution facilities will require STATE approval prior to engineering and installation.

5.21.9.2 Upon STATE approval of direct buried distribution conduit (schedule 40 PVC), the mechanical piping must be laid on a bed of clean dry sand no less than 6" thick. The space between the pipe and the sides of the trench must be backfilled with flowable fill to a point 6" above the crown of the pipe and both sides of the pipe must be filled at the same time. The remainder of the trench must be backfilled with native soil in lifts no greater than 12" and must be mechanically compacted by tamping so as to maintain a minimum relative density of 90% for most common areas and 100% for under roadways, paved areas, shoulder areas or other highly traveled areas.

5.21.9.3 Direct buried distribution cable and conduit will be placed at a minimum depth of 30" cover, with a 6" yellow buried marker tracer tape buried directly above the direct buried route. A clearance of 12" minimum must be maintained between all direct buried facilities and any power, gas, water or other utilities except at congested crossings (where STATE approval must be obtained). No deviations in the depth of the direct buried facilities will be made without prior written approval from the STATE.

5.21.10 **Intra-Building Distribution Facilities**

5.21.10.1 Cable must be routed in such a way as to not interfere with the operation or maintenance of any device along its path. The VENDOR is responsible for correcting any malfunction resulting from poor or improper cable installation.

5.21.10.2 If a cable crosses a fire barrier or enters a plenum area, it must be continuously plenum rated from the building entrance to its point of termination. The cable must be enclosed in a continuous plenum rated sheathing or metal conduit.

5.21.10.3 Cable must be splice free from the building entrance to the termination point except for a single non-plenum to plenum transition splice when the cable enters the building.

5.21.10.4 If a transition splice must be made in a plenum area, the non-plenum cable and the splice must be encased in an approved plenum rated material.

5.21.10.5 Building riser cable will be supported by STATE approved cable clamps or support devices at intervals not to exceed five feet

(5'). Deviation from these support requirements will require STATE approval.

5.21.10.6 All Intra-building splice cases will be rack and hook supported or secured through a STATE approved method.

5.21.10.7 All entrance and intra-building riser penetrations, conduit cores, wall and ceiling penetrations will be sleeved and sealed with a putty type fire retardant, expandable urethane foam or other STATE approved equivalent. This applies to all used and unused conduits, sleeves, and other penetrations. In the event that the VENDOR routes cable facilities through existing "core" areas, (where existing cable is installed) the VENDOR will also be responsible for resealing these areas as described above.

5.21.10.8 Installation and maintenance activities must not interfere with fire detection or suppression devices. If the possibility exists of interference with such devices, the State must be contacted before work commences. The VENDOR will be held responsible for all damage caused by accidental discharge of fire suppressants.

5.21.10.9 Layout and design of distribution backboards and associated equipment must be approved by the STATE prior to installation. The STATE will provide the "standard" for building backboards and this "standard" will not be deviated from without STATE approval.

5.21.10.9.1 Cables must be routed in such a way as to minimize interference with cross connect wiring on connector blocks and termination hardware. Manufacturer recommended accessories must be utilized to route cable away from the top and sides of the terminal blocks. Riser and horizontal distribution cables must enter the standoffs through the bottom.

5.21.10.9.2 All equipment must be securely fastened to the distribution terminal backboard. Suspension by connection to other equipment, rigid coax, etc., is not acceptable.

5.21.10.9.3 Entry and riser cables must be arranged in such a manner as to occupy as little space as possible on the distribution backboard. Transition splice cases, circuit protectors, etc., are not considered part of the distribution backboard and must be located so as not to interfere with backboards or common equipment.

5.21.10.9.4 Manufacturer recommended accessory rings for cross connect wire must be mounted centered between the tops of each column of terminal blocks. Additional rings must be installed to maintain an orderly appearance for cross connect wire running between backboards or to common equipment.

5.21.10.9.5 Power cords must not be routed through or attached to rings which contain or are intended to contain telecommunications wiring.

5.21.10.10 Station wiring must present a neat appearance when complete, utilizing wall, modular furniture, or floor outlet boxes whenever possible. Wiremold or equivalent painted to match existing wall color and a surface mount outlet must be used where flush mount boxes can not be installed. Use of wiremold and surface mount jacks must be approved by the STATE prior to use. Outlet boxes that cannot be flush mounted may be secured to STATE approved structures by installing sheet metal or appropriate screws into the rear housing of the outlet or magnetic mounts to metallic surfaces. Adhesive-backed surface mounting of outlets is not acceptable.

5.22 **SPECIALIZED CABLE INSTALLATION SPECIFICATIONS**.

5.22.1 The VENDOR will be required to terminate all cable with proper termination devices.

5.22.2 All inter-building cable must be encapsulant filled or designed and constructed to provide equivalent protection in the event of sheath damage or if the cable is severed. Use of non-encapsulant filled cable for inter-building applications will be subject to prior approval by the STATE.

5.22.3 Any fiber cable with a metallic sheath or strength members will not be permitted except where damage by rodents is likely.

5.22.4 The termination hardware must be equipped with the proper connectors and zero buildout attenuators for testing.

5.22.5 The termination hardware must be equipped with grounding apparatus where needed, but it will be the VENDOR's responsibility to provide a #6 ground wire to an approved grounding point.

5.22.6 All cable types must be placed according to the manufacturer's specifications.

5.22.7 All fiber splices outside of buildings must be encapsulant filled after splicing and testing is complete. The encapsulant used must be of a type that allows easy re-entry to the splice in the future.

5.22.8 Encapsulant filled cable cannot extend more than fifty (50) feet past point of entry into a building.

5.22.9 All encapsulant filled fiber cables entering a building must be sealed in a manner to prevent the encapsulant from escaping from the sheath and damaging property.

5.22.10 All specialized cables installed in underground conduits, must be

placed within VENDOR supplied innerducts manufactured from either polyethylene or polyvinyl chloride with smooth walls, and a distinctive color.

5.22.11 Four one (1) inch innerducts must be placed in each four (4) inch conduit or duct used for specialized cables.

5.22.12 Innerduct must extend to first splice point within a building.

5.22.13 Prior to any cable placement, the conduit or innerduct must be rodded.

5.22.13.1 All rodding operations (manual, pneumatic, and mechanical) must include rodding, passing a slug, test mandrel or other approved projectile and placing a pull line or poly rope through the duct or innerduct to be wired.

5.22.13.2 The cost of clearing obstructed ducts in VENDOR installed conduit structures must be absorbed by the VENDOR.

6. PRICING INFORMATION AND INSTRUCTIONS

6.1 PRICING TARGET SYSTEMS

6.1.1 Target System defined on the Target Configuration price sheets, has been established to assist in the evaluation of responses to this ITB.

6.1.2 **Target Configurations**

6.1.2.1 The Premise Distribution System for the configurations shown below has been configured as the Target System Configuration:

TARGET CONFIGURATION SEGMENTS

BUILDING "A"---------OUTSIDE PLANT--------- BUILDING "B"

BUILDING "A"---------OUTSIDE PLANT--------- BUILDING "C"

6.1.3 The quantities stated on the Target Configuration price sheets are the requirements for the Target System Configuration. Materials offered for any one segment may have capacities exceeding the stated requirements, but will be evaluated as configured. BIDDERS are required to bid any applicable equipment required for the Target System Configuration that was not specified on the Target System price sheets, but is required to complete the PDS system.

6.1.4 ***All unit pricing shown in the Target configuration pricing must be the same as that shown on the Catalog Detail Price and Contract Maintenance Detail Price Sheets. If the prices are not the same, the bid will be disqualified.***

6.2 PRICING DETAILS.

6.2.1 Bid prices, except for decreases, must remain firm for a period of three (3) years from the date of award. Should the STATE elect to renew the contract for Year 4 or Year 5, bid prices during those years must remain constant, except for decreases. If the VENDOR provides generally available prices for bid equipment which are lower than the previous rate, they will become the new catalog prices for the affected items. The pricing for Years 1 - 3 is to be shown on the appropriate Catalog Detail Price Sheets. The BIDDER(S) must show the pricing for years 4 and 5 on the appropriate Catalog Detail Price Sheets (YEAR 4 and YEAR 5) for contract renewal in years 4 and 5.

6.2.2 Changes and additions to catalog items after award will be allowed

whenever the contract item is being replaced by a new item that is equal to or greater in function, and equal to or less in price. Also as new technology becomes available, the VENDOR may submit pricing and product information to the State for approval and addition to the appropriate category of the Catalog Detail pricing. The STATE shall make this determination of equivalence and applicability.

6.2.3 **Promotional Pricing**

6.2.3.1 If, during the life of this contract and any subsequent renewals of this contract, the VENDOR or the represented manufacturer offers any type of promotional package of contract items, then the vendor must immediately advise and offer same to the STATE. Product promotional packages may be considered if the package contains items on contract that are offered at a reduced price. A promotional offering which includes items not on the contract will not be considered. The State of Alabama will not file for rebate(s); the VENDOR must offer and bill the State at the net discounted price.

6.2.4 **BIDDERs Pricing Instructions**

6.2.4.1 Each BIDDER shall complete all necessary price forms by entering the appropriate catalog numbers, descriptions, and pricing in the spaces provided. For any items that may be included as a part of another pricing category, the BIDDER must identify which items are included and the category. If a particular line item is not required or offered the BIDDER will provide an explanation as to why.

6.2.5 **Configuration**

6.2.5.1 PDS Systems will be configured and priced using the catalog detail pricing provided in response to this ITB. The cost of telecommunications outlets, outlet wiring from the connecting blocks, and the modular wall outlet assembly shall be priced from the Catalog and Target Spreadsheets.

6.2.6 **Telecommunications Outlet Wiring**

6.2.6.1 A specific quantity of Telecommunications Outlets by wiring distance shall be ordered as required.

6.2.6.2 The BIDDER shall provide the itemized price for material such as station connecting blocks (located in any satellite telephone apparatus closet room), miniature ribbon jack assembly, inter-building solid state protector assemblies and their installation, wiring terminations and cross-connections for each of the types of wiring runs, and the cost per foot (wiring and installation) of the various sizes of each of the types of wire. The State of Alabama shall order the quantity of each type of wire needed for each installation by item number and description.

6.2.6.3 The BIDDER shall provide a pricing matrix for telecommunications outlets which is to include the jacks, face plate, station wire, 110 terminating hardware, and any other applicable hardware and labor to install as a single unit price. *Note that Buildings A and B are to be wired to Category 5e specifications, while Building C will be wired to Category 6 specifications*.

6.2.6.4 Installation prices quoted for wire and cable not included in the Catalog and Target Spreadsheets must be itemized and include all installation costs for the items bid.

8.2.7 **Additional/Optional Outlets and Features**

6.2.7.1 Optional cable, including underground cable, station wiring runs, and station wiring types may be purchased at any time during the contract period in any quantity. Therefore the itemized cost must be shown on the Catalog Detail Pricing sheets.

6.2.7.2 The cost for each line cross-connect shall include wire, C.O. line and/or station protectors, connecting block, jacks, mating connector for the demarcation point, and labor. Any charge for such should be stated as "line/trunk cross-connect charge" in the "Miscellaneous" category of Catalog Detail Price Sheets.

6.2.7.3 All of the available items described herein shall be individually priced including all options. Also include any time and labor cost involved for design and engineering of any type of cabling system(s) that may be ordered from this catalog.

6.2.8 **Itemized Prices**

6.2.8.1 The bid must include itemized prices for all components of the total bid, including hardware, installation, maintenance (or other recurring charges), start-up supplies/equipment, and any other goods/services which may be required to meet the specifications as described in this ITB. Items must be priced to a level of detail sufficient to allow the ordering of any size configuration using the prices provided in the vendor's response.

6.2.9 **Discounts**

5.2.9.1 All discounts necessary to compute system prices shall be included in the unit cost. The BIDDER must maintain the same percent discount within a particular category throughout the Catalog Detail Pricing, Target System Recapitulation Sheet, and Target System Worksheet. If a BIDDER uses more than one manufacturer for the various configurations, the BIDDER must maintain the same percentage discount for all the different manufacturers equipment used.

6.2.10 **Pricing Verification**

6.2.10.1 ***The STATE must be able to verify your pricing for the Target configurations, using the pricing provided in your bid. Failure to adequately document catalog detail prices will result in bid disqualification.***

6.2.11 **Optional Feature Prices**

6.2.11.1 The BIDDER shall include price information related to all optional cable, equipment, and/or services which may be added to or used in conjunction with the items bid. These are items which are not part of the specifications of this ITB, but may be purchased by the State of Alabama under any contract(s) resulting from this bid. Any and all price information shall be included in the appropriate category on the Catalog Detail Pricing forms. Do not include items that cannot be used as a part of PDS systems specified herein. Catalog listings of non-related items will not be accepted.

6.2.12 **Pricing Forms**

6.2.12.1 The STATE has provided forms for the Target Configuration Recapitulation Price Sheet, the Target System Configuration Price Sheets, and the Catalog Detail Price Sheets in addition to the Division of Purchasing ITB Price Sheets. Forms have been provided for each of the Target System categories where needed. Additional copies may be made of the pricing forms as required. This applies particularly to the Catalog Detail Price Sheet, of which individual pages are provided for each CATEGORY, but numerous pages will be needed to provide pricing for all components to be bid.

6.2.13 **Catalog Detail Price Sheet**

6.2.13.1 These forms must list all items being offered for each Category. Unit (Catalog) prices will be used since this does not represent a particular configuration or system. Each Category must be represented by a separate set of Catalog Detail Price Sheet(s). Separate Catalog Detail Price Sheets for each category have been included for YEARS 1 - 3, YEAR 4, and YEAR 5.

- **Catalog Number** - This is a unique number identifying the line item being bid. This number must be the same for any reference to this line item.
- **Commodity Description** - Description of the item being bid must be of sufficient detail to allow the STATE to determine specification of item. Multiple lines may be used to describe an item.
- **Unit of Measure** - How the quantity of the line item is measured i.e. Foot, Each, Frame, etc.

- **Unit Cost** - The State's cost for a single unit of the line item bid.
- **Labor Hours Per Unit** - Number of hours or portions of an hour required to install a quantity of 1 of the line item.
- **Labor Cost Per Hour** - Cost for 1 hour of labor to install the line item bid.
- **Labor Cost Per Unit** - Total labor cost to install a quantity of 1 of the line item bid. This is calculated by multiplying column "E" by column "F".
- **Total Unit Cost** - The total cost to purchase and install a quantity of 1 of the line item bid. Calculated by adding column "D" and column "G".

6.2.14 **Target Configuration Pricing Sheets**

6.2.14.1 For evaluation purposes only, the STATE has provided the Target System Configuration price sheets. The vendor must complete all target configuration price sheets, failure to complete these sheets will result in disqualification. Each line on the Target System Configuration Recapitulation Sheet will reflect the totals from the corresponding category of the target configuration price sheets. The total from the worksheets will be entered on the appropriate line of the Target Recapitulation sheet. The BIDDER must enter the Target Configuration Recapitulation Sheet total for target configuration amount in the Unit Price column on the Invitation to Bid Price Sheet. Actual orders after contract award will be tailored to specific user requirements for each project, and will be based upon the individual components and features listed and priced on the Catalog Detail Price Sheets.

- **Catalog Number** - See 6.2.13.1
- **Commodity Description** – See 6.2.13.1
- **Unit Quantity** - The number of units to be priced for the target configuration.
- **Unit of Measure** - See 6.2.13.1
- **Unit Cost** - See 6.2.13.1
- **Total Unit Cost** - Calculated by multiplying column "C" by column "E".
- **Labor Per Unit** - See 6.2.13.1

- **Total Labor** - Calculated by multiplying column “C” by column “G”.

- **Total Cost** - Calculated by adding column “F”, and column “H”.

- **Pricing other Required Items** - All items necessary for proper completion and operation of PDS systems installed must be included in the appropriate line/commodity sections on the Target Configuration price sheets and the Catalog Detail Price sheets.

- **Support Items** - Describe and price any supplies which may be required after installation. Ordering information for obtaining replacement parts and replenishment supplies must also be provided. Include these items in the appropriate Category of the Catalog Detail Pricing.

ATTACHMENT - "A"

MINIMUM CATALOG ITEMS LIST

AND

CATALOG PRICE SHEET

INSTALLATION AND MAINTENANCE

OF

STATEWIDE TELECOMMUNICATIONS

PREMISE DISTRIBUTION SYSTEMS

ITB NO

14-x-2252488

INSIDE PLANT CABLE:

SIZE		TYPE	SIZE		TYPE
25	Pair	ARMM	400	Pair	ARMM
50	Pair	ARMM	600	Pair	ARMM
100	Pair	ARMM	900	Pair	ARMM
150	Pair	ARMM	1200	Pair	ARMM
200	Pair	ARMM	1500	Pair	ARMM
300	Pair	ARMM	1800	Pair	ARMM

25	Pair	Category 3 General Purpose (Distribution/Tie/Riser)
50	Pair	Category 3 General Purpose (Distribution/Tie/Riser)
100	Pair	Category 3 General Purpose (Distribution/Tie/Riser)

DATA GRADE INSIDE PLANT TWISTED PAIR CABLE

Systimax or equal 2061B+
Systimax or equal 2071
Systimax or equal 2081
Systimax or equal 2061A (25 Pair)

PATCH CORDS FOR TWISTED PAIR, CATEGORY 5E AND 6 (VARIOUS COLORS)

Modular Patch Cords, Lengths of 3, 4, 5, 6, 7, 8, 9, 12, & 15 Feet
110 To RJ45 Patch Cords, Lengths of 3, 4, 5, 6, 7, 8, 9, 12, & 15 Feet

TELECOMMUNICATIONS OUTLETS, JACKS, AND FACEPLATES - LIST ALL TYPES, MATERIALS, CONFIGURATIONS AND COLORS:

Systimax M4CA or equal Variable Furniture Faceplate
Systimax M10 or equal Modular Faceplate
Systimax M12 or equal Modular Faceplate
Systimax M13 or equal Modular Faceplate
Systimax M14 or equal Modular Faceplate
Systimax M16 or equal Modular Faceplate
Systimax M26 or equal Modular Faceplate
Systimax M28 or equal Modular Faceplate
Systimax M102 or equal Surface Mount With Optional Magnetic Mount
Systimax M104 or equal Surface Mount With Optional Magnetic Mount
Systimax M20 or equal Dust Cover
Systimax MPS100E or equal 8 Pin Modular Jack.
Systimax MGS400 or equal 8 Pin Modular Jack

PATCH PANEL SYSTEM

110 Patch Panel System Complete With All Supporting Components For Wall Or Rack Mounting

OUTSIDE PLANT CABLE

25	Pair	ANMW
50	Pair	ANMW
100	Pair	ANMW
150	Pair	ANMW
200	Pair	ANMW
300	Pair	ANMW
400	Pair	ANMW
600	Pair	ANMW
900	Pair	ANMW
1200	Pair	ANMW
1500	Pair	ANMW
1800	Pair	ANMW

DIRECT BURIAL 24 AWG CABLE (PE-89), STANDARD & GOPHER RESISTANT

25	Pair
50	Pair
100	Pair
200	Pair
400	Pair
600	Pair

SELF SUPPORTING CABLE:

6	Pair
25	Pair
50	Pair
100	Pair

SPLICE CLOSURES:

SIZE		**TYPE**
25	Pair	ARMM
50	Pair	ARMM
100	Pair	ARMM
150	Pair	ARMM
200	Pair	ARMM
300	Pair	ARMM
400	Pair	ARMM

600	Pair	ARMM
900	Pair	ARMM
1200	Pair	ARMM
1500	Pair	ARMM
1800	Pair	ARMM
2100	Pair	ARMM
25	Pair	ANMW
50	Pair	ANMW
100	Pair	ANMW
150	Pair	ANMW
200	Pair	ANMW
300	Pair	ANMW
400	Pair	ANMW
600	Pair	ANMW
1200	Pair	ANMW
1500	Pair	ANMW
1800	Pair	ANMW

DIRECT BURIAL CLOSURES:

All Pair Counts

SELF SUPPORTING CABLE CLOSURES:

All Pair Counts

SPLICE COST PER PAIR:

SIZE		**TYPE**
25	Pair	ARMM
50	Pair	ARMM
100	Pair	ARMM
150	Pair	ARMM
200	Pair	ARMM
300	Pair	ARMM
400	Pair	ARMM
600	Pair	ARMM
900	Pair	ARMM
1200	Pair	ARMM
1500	Pair	ARMM
1800	Pair	ARMM
2100	Pair	ARMM
25	Pair	ANMW
50	Pair	ANMW
100	Pair	ANMW
150	Pair	ANMW

200	Pair	ANMW
300	Pair	ANMW
400	Pair	ANMW
600	Pair	ANMW
900	Pair	ANMW
1200	Pair	ANMW
1500	Pair	ANMW
1800	Pair	ANMW

SPLICE COST PER PAIR DIRECT BURIAL 24 AWG CABLE:

25	Pair
50	Pair
100	Pair
200	Pair
400	Pair
600	Pair

SELF SUPPORTING CABLE:

Cost Per Pair To Splice All Counts

CABLE DISTRIBUTION PEDESTALS / CABINETS:

100	Pair
400	Pair
600	Pair

CABLE TRAY:

Cable Tray (All Widths 12" TO 24")
Cable Rack (All Widths 5" TO 36")

CONDUIT:

Conduit	2" PVC
Conduit	3" PVC
Conduit	4" PVC
Conduit	¾" EMT
Conduit	1" EMT
Conduit	2" EMT
Conduit	3" EMT
Conduit	4" EMT

Misc. Conduit Fittings in All Sizes

INNERDUCT:

¾"
1"

SURFACE RACEWAY SYSTEM

Hinged Surface Raceway Systems Of Various Sizes and Colors, Complete With All Fittings And Junction Boxes (Panduit LDP OR Equivalent), Category 5E/6 Compliant

EQUIPMENT AND WIRING FRAMES AND EMI/RFI CABINETS:

Frame – Free Standing 19" X 7'
Frame – Free Standing 23" X 7'
Frame – Free Standing 19" X 7' 6"
Frame – Free Standing 23" X 7' 6"
Cabinet - 19" X 7'
Cabinet - 23" X 7'
Cabinet - 19" X 7'6"
Cabinet - 23" X 7'6"
EMI/RFI Cabinet - 19" X 6'
EMI/RFI Cabinet - 23" X 6'
EMI/RFI Cabinet - 19" X 7'
EMI/RFI Cabinet - 23" X 7'
Outside Equipment Cabinets/Enclosures
Note: Cabinets Should Include Levelers And Options For Front And Back Doors, And Side Panels. Gauge Of Steel In Doors And Panels To Be 16-18 Gauge.

BACKBOARDS:

Plywood 3/4" X 4' X 8' Fire Retardant
Plywood 3/4" X 2' X 4' Fire Retardant
Plywood D 3/4" X 2' X 2' Fire Retardant

TERMINAL BLOCK / 110 CROSS CONNECT SYSTEM:

Systimax or equal 110 Cross-Connect Block 100 Pair (Category 6)
Systimax or equal 110 Cross-Connect Block 300 Pair (Category 6)

PROTECTOR BLOCKS: Systimax or equal 489A TYPE / 110 CROSS CONNECT SYSTEM:

Systimax or equal 489ACC1-025
Systimax or equal 489ACC1-050

Systimax or equal 489ACC1-100
Systimax or equal 489ACA1-025
Systimax or equal 489ACA1-050
Systimax or equal 489ACA1-100

PROTECTOR UNITS:

Systimax or equal 4B1-EW Gas Protector Unit
Systimax or equal 4B3-EW GAS Protector Unit
Systimax or equal 4C1S Solid State Protector Unit
Systimax or equal 4C3S Solid State Protector Unit

INSULATED GROUND WIRE:

6 AWG
4 AWG
6 AWG
8 AWG
10 AWG
12 AWG
14 AWG

MANHOLES AND ACCESSORIES:

Manhole 6'W X 12'L X 7'H.
Manhole Ring Mfg With Security Bolts
Manhole Cover
Manhole Ladder
Pullbox 4'W X 6'L X 7'H.
Pullbox Cover

MULTIPLE PLASTIC DUCT:

Multiple Plastic Duct 2 Cell (All Lengths)
Multiple Plastic Duct 4 Cell " "
Multiple Plastic Duct 6 Cell " "
Multiple Plastic Duct 9 Cell " "
Misc. Hardware And Radius Turns For Multiple Plastic Duct
Osburn Associates I/O Inner/Outer Duct (All Lengths And Configurations)
Osburn Associates Tetra Duct For Fiber Optic Cabling (All Lengths And Configurations
Osburn Associates I/O Duct And Tetra Duct Fittings And Accessories

ASPHALT AND OTHER SURFACING MATERIALS:

Trenching
Boring
Restoral
Asphalt
Other Surfacing Materials

CONCRETE:

Trenching
Boring
Restoral
Concrete Mixes
K-Crete Mixes (or equivalent)
Sand

LANDSCAPING:

Trenching
Boring
Restoral
Various Grass Sod
Various Shrubs
Various Grass Seeds
Various Types of Trees

FIBER-OPTIC PDS COMPONENTS LIST:

INSIDE PLENUM MULTIMODE FIBER OPTIC CABLE WITH JACKET COLOR OPTIONS:

4 Strands	30 Strands
6 Strands	36 Strands
12 Strands	48 Strands
18 Strands	72 Strands
24 Strands	

OUTSIDE PLANT DIRECT BURIAL SINGLE MODE FIBER-OPTIC CABLE:

4 Strands	30 Strands
6 Strands	36 Strands
12 Strands	48 Strands
18 Strands	72 Strands
24 Strands	96 Strands

OUTSIDE PLANT DIRECT BURIAL MULTIMODE FIBER-OPTIC CABLE:

4 Strands	30 Strands
6 Strands	36 Strands
12 Strands	48 Strands
18 Strands	72 Strands
24 Strands	96 Strands

OUTSIDE PLANT AERIAL SINGLE MODE FIBER OPTIC CABLE:

4 Strands
6 Strands
12 Strands
18 Strands
24 Strands
30 Strands
36 Strands

OUTSIDE PLANT AERIAL MULTIMODE FIBER OPTIC CABLE:

4 Strands
6 Strands
12 Strands
18 Strands
24 Strands
30 Strands
36 Strands

FIBER OPTIC DISTRIBUTION COMPONENTS:

MULTIMODE ISP/OSP DISTRIBUTION SHELF FOR:

6 Strands	48 Strands
12 Strands	72 Strands
18 Strands	96 Strands
24 Strands	120 Strands
30 Strands	144 Strands
36 Strands	

SINGLE MODE ISP/OSP DISTRIBUTION SHELF FOR:

6 Strands	48 Strands
12 Strands	72 Strands
18 Strands	96 Strands
24 Strands	120 Strands
30 Strands	144 Strands
36 Strands	

MULTIMODE ISP FIBER OPTIC INTERCONNECT UNITS:

6 Strands	30 Strands
12 Strands	36 Strands
18 Strands	48 Strands
24 Strands	

SINGLE MODE FIBER OPTIC JUMPERS IN ALL CONNECTOR COMBINATIONS: (Note: Jumper Lengths May Vary Slightly From Nominal Values Listed to Match Standard Lengths Supplied By Manufacturer)

1.2 Meters	10.7 Meters
1.5 Meters	12.2 Meters
3.1 Meters	15.2 Meters
4.6 Meters	22.9 Meters
6.1 Meters	30.5 Meters
7.6 Meters	38.1 Meters
9.2 Meters	45.8 Meters

MULTI MODE FIBER OPTIC JUMPERS IN ALL CONNECTOR COMBINATIONS: **(Note: Jumper Lengths May Vary Slightly From Nominal Values Listed to Match Standard Lengths Supplied By Manufacturer)**

1.2 Meters	10.7 Meters
1.5 Meters	12.2 Meters
3.1 Meters	15.2 Meters
4.6 Meters	22.9 Meters
6.1 Meters	30.5 Meters
7.6 Meters	38.1 Meters
9.2 Meters	45.8 Meters

SPLICE CLOSURES FOR OSP FIBER OPTIC CABLE:

Buried Cable Closures
Aerial Closures
Submarine /submerged Closures
Transition Closures

MISCELLANEOUS FIBER OPTIC ACCESSORIES:

LC Connectors And Couplers
SC Connectors And Couplers
ST Connectors And Couplers
Attenuators
Build Outs
Build Out Blocks
Coupling Blocks

Fanout Cable Assemblies In Various Connector Configurations
Other Applicable Fiber Optic Components

MAINTENANCE OF CABLE PLANT INCLUDING EXISTING PDS SYSTEMS:

Labor Cost For Actual Repair

Travel Time/Mileage Charge

Splicing Cost For All Applicable Copper and Fiber Cabling Systems

After Hours And 24 Hour Per Day Maintenance

Other Applicable Maintenance And Repair Cost

PREMISE DISTRIBUTION SYSTEM

ITB

14-X-2252488

PRICING FORMS

PREMISE DISTRIBUTION SYSTEM ITB

TARGET CONFIGURATION RECAPITULATION SHEET

1.	TARGET BUILDING A ISP COPPER:	$ _____.____
2.	TARGET BUILDING A ISP FIBER:	$ _____.____
3.	TARGET BUILDING B ISP COPPER:	$ _____.____
4.	TARGET BUILDING B ISP FIBER:	$ _____.____
5.	TARGET BUILDING C ISP COPPER:	$ _____.____
6.	TARGET BUILDING C ISP FIBER:	$ _____.____
7.	TARGET BUILDING A TO B OSP TWISTED PAIR:	$ _____.____
8.	TARGET BUILDING A TO B OSP fiber:	$ _____.____
9.	TARGET BUILDING A TO C OSP TWISTED PAIR:	$ _____.____
10.	TARGET BUILDING A TO C OSP FIBER:	$ _____.____

TOTAL FOR TARGET CONFIGURATION: $ _____.____

LIST OF PRICE SHEETS/SPREADSHEETS

Target Configuration Price Sheets

PDSTARIPA.XLS	Building A – Inside Plant Twisted Pair
PDSTARIPB.XLS	Building B – Inside Plant Twisted Pair
PDSTARIPC.XLS	Building B – Inside Plant Twisted Pair
PDSTARIPFOA.XLS	Building A – Inside Plant Fiber Optic
PDSTARIPFOB.XLS	Building B – Inside Plant Fiber Optic
PDSTARIPFOC.XLS	Building C – Inside Plant Fiber Optic
PDSTARTPAB.XLS	Building A to Building B – Outside Plant Twisted Pair
PDSTARTPAC.XLS	Building A to Building C – Outside Plant Twisted Pair
PDSTARFOAB.XLS	Building A to Building B – Outside Plant Fiber Optic
PDSTARFOAC.XLS	Building A to Building C – Outside Plant Fiber Optic

Catalog Detail Price Sheets

PDSCAT01.XLS	Outside Plant – Twisted Pair (Years 1-3)
PDSCAT02.XLS	Inside Plant – Twisted Pair (Years 1-3)
PDSCAT03.XLS	Outside Plant – Fiber Optic (Years 1-3)
PDSCAT04.XLS	Inside Plant – Fiber Optic (Years 1-3)
PDSCAT08.XLS	Trenching/Paving/Restoration (Years 1-3)
PDSCAT09.XLS	Miscellaneous Labor Rates (Years 1-3)
PDSCAT10.XLS	Miscellaneous PDS Catalog (Years 1-3)
PDSCAT14.XLS	Outside Plant – Twisted Pair (Year 4)
PDSCAT15.XLS	Outside Plant – Twisted Pair (Year 5)
PDSCAT24.XLS	Inside Plant Twisted Pair (Year 4)
PDSCAT25.XLS	Inside Plant Twisted Pair (Year 5)
PDSCAT34.XLS	Outside Plant Fiber Optic (Year 4)
PDSCAT35.XLS	Outside Plant Fiber Optic (Year 5)
PDSCAT44.XLS	Inside Plant – Fiber Optic (Year 4)
PDSCAT45.XLS	Inside Plant – Fiber Optic (Year 5)
PDSCAT84.XLS	Trenching/Paving/Restoration (Year 4)
PDSCAT85.XLS	Trenching/Paving/Restoration (Year 5)
PDSCAT94.XLS	Miscellaneous Labor Rates (Year 4)
PDSCAT95.XLS	Miscellaneous Labor Rates (Year 5)
PDSCATA4.XLS	Miscellaneous PDS Catalog (Year 4)
PDSCATA5.XLS	Miscellaneous PDS Catalog (Year 5)

GLOSSARY

ACI	American Concrete Institute
ADA	Americans with Disabilities Act
ANSI	American National Standards Institute
ASTM	American Society for Testing and Materials
BET	Building Entrance Terminal
BIDDER	A company that submits a bid in response to this ITB.
BICSI	Building Industry Consulting Service International, Inc.
CAD	Computer-Aided Design
CMS	Cable Management Software
CPM CHART	Critical Path Method, similar to a PERT chart, but with the critical path identified
Demarcation Point	The interface point between customer-premises equipment and external network service provider equipment
EIA/TIA	Electronics Industry Alliance/Telecommunications Industry Association
EMT	Electrical Metallic Tubing
FCC	Federal Communications Commission
GANTT	Visual display chart used for scheduling which is based on time
GUI	Graphical User Interface
IDF	Intermediate Distribution Frame
IEEE	Institute of Electrical and Electronics Engineers
Inside Plant	All the cabling and equipment installed in a telecommunications facility, including the main distribution frame, and all the equipment extending inward from there, such as PABX or central office equipment, MDF protectors, and grounding systems.
ITB	This Invitation-to-Bid to provide the services described herein.
LAN	Local Area Network
MACs	Moves, Adds, and Changes
MDF	Main Distribution Frame
NCTA	National Cable Television Association
NEC	National Electric Code
NEMA	National Electrical Manufacturers Association
NEXT	Near End Cross-Talk
NTSC	National Television System Committee
PDS	Premise Distribution System
PERT	Program Evaluation Review Technique; chart depicts task, duration and dependency information
Outside Plant	All cables, conduits, ducts, poles, towers, repeaters, repeater huts, and other equipment located between a demarcation point in a switching facility and a demarcation point in another switching facility or customer premises.

OSP	Outside Plant
PDS	Premise Distribution System
RCDD	Registered Communications Distribution Designer
REA	Rural Electrification Agency
SCS	Structured Cable System
STATE	The State of Alabama, Department of Finance, Information Services, as the contracting agent on behalf of the State of Alabama.
State	The State of Alabama acting through its various agencies and instrumentalities.
TO	Telecommunications Outlet (Also called Information Outlet)
UL	Underwriters Laboratories Incorporated
VENDOR	The company that is awarded the CONTRACT for the Premise Distribution System

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: OUTSIDE PLANT - TWISTED PAIR (YEARS 1-3)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

PDSCAT01

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: INSIDE PLANT - TWISTED PAIR (YEARS 1 - 3)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

PDSCAT02

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: OUTSIDE PLANT - FIBER OPTIC (YEARS 1 - 3)

A	B	C	D	E	F	G	H
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT OF MEASURE	UNIT COST	LABOR HOURS PER UNIT	LABOR COST PER HOUR	LABOR COST PER UNIT	TOTAL UNIT COST

PDSCAT03

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: INSIDE PLANT - FIBER OPTIC (YEARS 1 - 3)

A	B	C	D	E	F	G	H
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT OF MEASURE	UNIT COST	LABOR HOURS PER UNIT	LABOR COST PER HOUR	LABOR COST PER UNIT	TOTAL UNIT COST

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: TRENCHING/PAVING/RESTORATION (YEARS 1 - 3)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

PDSCAT08

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: MISCELLANEOUS LABOR RATES (YEARS 1 - 3)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: MISCELLANEOUS PDS CATALOG (YEARS 1 - 3)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

PDSCAT10

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: OUTSIDE PLANT - TWISTED PAIR (YEAR 4)

A	B	C	D	E	F	G	H
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT OF MEASURE	UNIT COST	LABOR HOURS PER UNIT	LABOR COST PER HOUR	LABOR COST PER UNIT	TOTAL UNIT COST

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: OUTSIDE PLANT - TWISTED PAIR (YEAR 5)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

PDSCAT15

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: INSIDE PLANT - TWISTED PAIR (YEAR 4)

A	B	C	D	E	F	G	H
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT OF MEASURE	UNIT COST	LABOR HOURS PER UNIT	LABOR COST PER HOUR	LABOR COST PER UNIT	TOTAL UNIT COST

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: INSIDE PLANT - TWISTED PAIR (YEAR 5)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

PDSCAT25

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: OUTSIDE PLANT - FIBER OPTIC (YEAR 4)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: OUTSIDE PLANT - FIBER OPTIC (YEAR 5)

A	B	C	D	E	F	G	H
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT OF MEASURE	UNIT COST	LABOR HOURS PER UNIT	LABOR COST PER HOUR	LABOR COST PER UNIT	TOTAL UNIT COST

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: INSIDE PLANT - FIBER OPTIC (YEAR 4)

A	B	C	D	E	F	G	H
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT OF MEASURE	UNIT COST	LABOR HOURS PER UNIT	LABOR COST PER HOUR	LABOR COST PER UNIT	TOTAL UNIT COST

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: INSIDE PLANT - FIBER OPTIC (YEAR 5)

A	B	C	D	E	F	G	H
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT OF MEASURE	UNIT COST	LABOR HOURS PER UNIT	LABOR COST PER HOUR	LABOR COST PER UNIT	TOTAL UNIT COST

PDSCAT45

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: TRENCHING/PAVING/RESTORATION (YEAR 4)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: TRENCHING/PAVING/RESTORATION (YEAR 5)

A	B	C	D	E	F	G	H
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT OF MEASURE	UNIT COST	LABOR HOURS PER UNIT	LABOR COST PER HOUR	LABOR COST PER UNIT	TOTAL UNIT COST

PDSCAT85

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: MISCELLANEOUS LABOR RATES (YEAR 4)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: MISCELLANEOUS LABOR RATES (YEAR 5)

A	B	C	D	E	F	G	H
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT OF MEASURE	UNIT COST	LABOR HOURS PER UNIT	LABOR COST PER HOUR	LABOR COST PER UNIT	TOTAL UNIT COST

PDSCAT95

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: MISCELLANEOUS PDS CATALOG (YEAR 4)

A CATALOG NUMBER	B COMMODITY DESCRIPTION	C UNIT OF MEASURE	D UNIT COST	E LABOR HOURS PER UNIT	F LABOR COST PER HOUR	G LABOR COST PER UNIT	H TOTAL UNIT COST

STATEWIDE PREMISE DISTRIBUTION SYSTEM
CATALOG DETAIL PRICE SHEET
CATEGORY: MISCELLANEOUS PDS CATALOG (YEAR 5)

A	B	C	D	E	F	G	H
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT OF MEASURE	UNIT COST	LABOR HOURS PER UNIT	LABOR COST PER HOUR	LABOR COST PER UNIT	TOTAL UNIT COST

BUILDING "A"
TARGET CONFIGURATION PRICE SHEET
CATEGORY: INSIDE PLANT TWISTED PAIR

A	B	C	D	E	F	G	H	I
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT QUANTITY	UNIT OF MEASURE	UNIT COST	TOTAL UNIT COST	LABOR PER UNIT	TOTAL LABOR	TOTAL COST
	300 PAIR ARMM RISER CABLE	3600	FEET					
	200 PAIR GENERAL PURPOSE RISER CABLE	1500	FEET					
	110AW2-300FT 300 PAIR CROSS CONNECT	36	EACH					
	BLOCKS WITH 110C5 CONNECTING BLOCKS							
	INFORMATION OUTLET M12 WITH 2 MPS100E	500	OUTLET					
	JACKS AND DUAL 2061B+ CABLE RUNS							
	(100 FEET)							
	INFORMATION OUTLET M12 WITH 2 MPS100E	275	OUTLET					
	JACKS AND DUAL 2061B+ CABLE RUNS							
	(200 FEET)							
	INFORMATION OUTLET M12 WITH 2 MPS100E	250	OUTLET					
	JACKS AND DUAL 2061B+ CABLE RUNS							
	(300 FEET)							
	INFORMATION OUTLET M102SMB WITH	150	OUTLET					
	2 MPS100E JACKS AND DUAL 2061B+ CABLE							
	RUNS (100 FEET)							
	INFORMATION OUTLET M13C WITH 3	100	OUTLET					
	MPS 100E JACKS AND THREE 2061B+ CABLE							
	RUNS (200 FEET, 2 DATA, 1 VOICE)							
	EQUIPMENT FRAMES 23"WX7'H	10	FRAME					
	EQUIPMENT FRAMES 19"WX7H	12	FRAME					
	EMI/RFI CABINET 19"WX6'H WITH DOORS	4	CABINET					
	EMI/RFI CABINET 19"WX7'H WITH DOORS	2	CABINET					
	EMI/RFI CABINET 23"WX6'H WITH DOORS	6	CABINET					
	EMI/RFI CABINET 23"WX7'H WITH DOORS	5	CABINET					
	1100PSE JACK PANEL WITH 24 RJ45 JACKS	12	PANELS					
	D8CM MODULAR PATCH CORD (15 FEET)	800	CABLES					
	D8CM MODULAR PATCH CORD (4 FEET)	250	CABLES					
	119P8CM RJ45 TO 110 PATCH CORD (12 FT)	400	CABLES					

BUILDING "B"
TARGET CONFIGURATION PRICE SHEET
CATEGORY: INSIDE PLANT TWISTED PAIR

A	B	C	D	E	F	G	H	I
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT QUANTITY	UNIT OF MEASURE	UNIT COST	TOTAL UNIT COST	LABOR PER UNIT	TOTAL LABOR	TOTAL COST
	300 PAIR ARMM RISER CABLE	4500	FEET					
	200 PAIR GENERAL PURPOSE RISER CABLE	2000	FEET					
	110AW2-300FT 300 PAIR CROSS CONNECT	40	EACH					
	BLOCKS WITH 110C5 CONNECTING BLOCKS							
	INFORMATION OUTLET M12 WITH 2 MPS100E	650	OUTLET					
	JACKS AND DUAL 2061+ CABLE RUNS							
	(100 FEET)							
	INFORMATION OUTLET M12 WITH 2 MPS100E	350	OUTLET					
	JACKS AND DUAL 2061+ CABLE RUNS							
	(200 FEET)							
	INFORMATION OUTLET M12 WITH 2 MPS100E	300	OUTLET					
	JACKS AND DUAL 2061+ CABLE RUNS							
	(300 FEET)							
	INFORMATION OUTLET M102SMB WITH	200	OUTLET					
	2 MPS100E JACKS AND DUAL 2061+ CABLE							
	RUNS (300 FEET)							
	INFORMATION OUTLET M13C WITH 3	120	OUTLET					
	MPS100E JACKS AND THREE 2061+ CABLE							
	RUNS (200 FEET, 2 DATA, 1 VOICE)							
	EQUIPMENT FRAMES 23"WX7'H	14	FRAME					
	EQUIPMENT FRAMES 19"WX7H	16	FRAME					
	EMI/RFI CABINET 19"WX6'H WITH DOORS	6	CABINET					
	EMI/RFI CABINET 19"WX7'H WITH DOORS	3	CABINET					
	EMI/RFI CABINET 23"WX6'H WITH DOORS	8	CABINET					
	EMI/RFI CABINET 23"WX7'H	2	CABINET					
	1100PSE JACK PANEL WITH 24 RJ45 JACKS	20	PANELS					
	D8CM MODULAR PATCH CORD (15 FEET)	850	CABLES					
	D8CM MODULAR PATCH CORD (4 FEET)	450	CABLES					
	119P8CM RJ45 TO 110 PATCH CORD (12 FT)	400	CABLES					

BUILDING "C"
TARGET CONFIGURATION PRICE SHEET
CATEGORY: INSIDE PLANT TWISTED PAIR

A	B	C	D	E	F	G	H	I
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT QUANTITY	UNIT OF MEASURE	UNIT COST	TOTAL UNIT COST	LABOR PER UNIT	TOTAL LABOR	TOTAL COST
	400 PAIR ARMM RISER CABLE	7000	FEET					
	100 PAIR GENERAL PURPOSE RISER CABLE	4000	FEET					
	110AW2-300FT 300 PAIR CROSS CONNECT	60	EACH					
	BLOCKS WITH 110C5 CONNECTING BLOCKS							
	INFORMATION OUTLET M12 WITH 2 MGS400	600	OUTLET					
	JACKS AND DUAL 2071 CABLE RUNS							
	(100 FEET)							
	INFORMATION OUTLET M12 WITH 2 MGS400	425	OUTLET					
	JACKS AND DUAL 2071 CABLE RUNS							
	(200 FEET)							
	INFORMATION OUTLET M12 WITH 2 MGS400	375	OUTLET					
	JACKS AND DUAL 2071 CABLE RUNS							
	(300 FEET)							
	INFORMATION OUTLET M102SMB WITH 2	350	OUTLET					
	MGS400 JACKS AND DUAL 2071 CABLE RUNS							
	(300 FEET)							
	INFORMATION OUTLET M13CLS WITH	400	OUTLET					
	3 MGS400 JACKS AND THREE 2071 CABLE							
	RUNS (200 FEET, 2 DATA, 1 VOICE)							
	EQUIPMENT FRAMES 23"WX7'H	24	FRAME					
	EQUIPMENT FRAMES 19"WX7H	20	FRAME					
	EMI/RFI CABINET 19"WX6'H WITH DOORS	10	CABINET					
	EMI/RFI CABINET 19"WX7'H WITH DOORS	5	CABINET					
	EMI/RFI CABINET 23"WX6'H WITH DOORS	1	CABINET					
	GS8E MODULAR PATCH CORD (5 FEET)	400	CABLES					
	D8CM MODULAR PATCH CORD (15 FEET)	900	CABLES					
	1100GS2-24 JACK PANEL WITH 24 RJ45 JACKS	34	PANELS					
	119P8CM RJ45 TO 110 PATCH CORD (12 FEET)	600	CABLES					

BUILDING "A"
TARGET CONFIGURATION PRICE SHEET
CATEGORY: INSIDE PLANT FIBER OPTIC

A	B	C	D	E	F	G	H	I
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT QUANTITY	UNIT OF MEASURE	UNIT COST	TOTAL UNIT COST	LABOR PER UNIT	TOTAL LABOR	TOTAL COST
	48 STRAND MULTI-MODE PLENUM FIBER (62.5/125)	4000	FEET					
	24 STRAND MULTI-MODE PLENUM FIBER (62.5/125)	3500	FEET					
	12 STRAND MULTI-MODE PLENUM FIBER (62.5/125)	2500	FEET					
	12 FIBER LIGHTGUIDE INTERCONNECT UNITS	5	EACH					
	24 FIBER LIGHTGUIDE INTERCONNECT UNITS	6	EACH					
	48 FIBER LIGHTGUIDE INTERCONNECT UNITS	4	EACH					
	ST CONNECTOR PANELS (6 PORTS EACH)	66	PANEL					
	ST CONNECTORS	396	CONNECTOR					
	ST COUPLINGS	396	COUPLINGS					
	FUSION SPLICES	300	SPLICE					
	MECHANICAL SPLICES	96	SPLICE					
	TESTING AND DOCUMENTATION OF FIBER	198	FIBER					

PDSTARIPFOA.XLS

BUILDING "B"
TARGET CONFIGURATION PRICE SHEET
CATEGORY: INSIDE PLANT FIBER OPTIC

A	B	C	D	E	F	G	H	I
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT QUANTITY	UNIT OF MEASURE	UNIT COST	TOTAL UNIT COST	LABOR PER UNIT	TOTAL LABOR	TOTAL COST
	12 STRAND MULTI-MODE PLENUM FIBER (62.5/125)	3000	FEET					
	24 STRAND MULTI-MODE PLENUM FIBER (62.5/125)	4500	FEET					
	48 STRAND MULTI-MODE PLENUM FIBER (62.5/125)	6000	FEET					
	12 FIBER LIGHTGUIDE INTERCONNECT UNITS	7	EACH					
	24 FIBER LIGHTGUIDE INTERCONNECT UNITS	9	EACH					
	48 FIBER LIGHTGUIDE INTERCONNECT UNITS	6	EACH					
	ST CONNECTOR PANELS	98	PANEL					
	ST CONNECTORS	588	CONNECTOR					
	ST COUPLINGS	588	COUPLINGS					
	FUSION SPLICES	500	SPLICE					
	MECHANICAL SPLICES	88	SPLICE					
	TESTING AND DOCUMENTATION OF FIBER	294	FIBER					

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BUILDING "C"
TARGET CONFIGURATION PRICE SHEET
CATEGORY: INSIDE PLANT FIBER OPTIC

A	B	C	D	E	F	G	H	I
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT QUANTITY	UNIT OF MEASURE	UNIT COST	TOTAL UNIT COST	LABOR PER UNIT	TOTAL LABOR	TOTAL COST
	12 STRAND MULTI-MODE PLENUM FIBER (50/125)	3000	FEET					
	24 STRAND MULTI-MODE PLENUM FIBER (50/125)	3600	FEET					
	48 STRAND MULTI-MODE PLENUM FIBER (50/125)	4400	FEET					
	12 FIBER LIGHTGUIDE INTERCONNECT UNITS	6	EACH					
	24 FIBER LIGHTGUIDE INTERCONNECT UNITS	5	EACH					
	48 FIBER LIGHTGUIDE INTERCONNECT UNITS	4	EACH					
	ST CONNECTOR PANELS	64	PANEL					
	ST CONNECTORS	384	CONNECTOR					
	ST COUPLINGS	384	COUPLINGS					
	FUSION SPLICES	342	SPLICE					
	MECHANICAL SPLICES	42	SPLICE					
	TESTING AND DOCUMENTATION OF FIBER	192	FIBER					

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BUILDING "A" TO BUILDING "B"
TARGET CONFIGURATION PRICE SHEET
CATEGORY: OUTSIDE PLANT TWISTED PAIR

A	B	C	D	E	F	G	H	I
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT QUANTITY	UNIT OF MEASURE	UNIT COST	TOTAL UNIT COST	LABOR PER UNIT	TOTAL LABOR	TOTAL COST
	1800 PAIR AFMW DIRECT BURIAL CABLE	2600	FOOT					
	TRANSITION SPLICE ENCLOSURES	2	EACH					
	MANHOLE SPLICE ENCLOSURES	2	EACH					
	489ACCI-100 PROTECTOR PANEL FRAME	18	EACH					
	MOUNTED WITH 100FT TIP SPLICE							
	489ACC1-100 PROTECTOR PANEL WALL	18	EACH					
	MOUNTED WITH 100FT TIP SPLICE							
	4C1S PROTECTOR MODULES	3600	MODULE					
	3M 710 SPLICE MODULES	144	MODULE					
	9 CELL MULTIPLE PLASTIC DUCT	2000	FOOT					
	4 INCH PVC CONDUIT	300	FOOT					
	#6 AWG GROUND WIRE	475	FOOT					
	MANHOLES (6' W X 12' L X 7' H)	2	MANHOLE					
	MANHOLE CABLE RACKS	8	EACH					
	MANHOLE CABLE HOOKS/HANGERS	24	EACH					
	TRENCHING 30 INCH DEEP X 24 INCH	2200	FOOT					
	WIDE (GRASS, CONCRETE, AND ASPHALT)							
	TRENCH RESTORAL	2200	FOOT					
	ASPHALT RESTORAL (4 INCHES THICK)	1800	FOOT					
	CONCRETE RESTORAL (6 INCHES THICK)	1400	FOOT					
	GRASS RESTORAL (TIFTON BERMUDA)	500	FOOT					

BUILDING "A" TO BUILDING "C"
TARGET CONFIGURATION PRICE SHEET
CATEGORY: OUTSIDE PLANT TWISTED PAIR

A	B	C	D	E	F	G	H	I
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT QUANTITY	UNIT OF MEASURE	UNIT COST	TOTAL UNIT COST	LABOR PER UNIT	TOTAL LABOR	TOTAL COST
	1800 PAIR AFMW DIRECT BURIAL CABLE	3000	FOOT					
	TRANSITION SPLICE ENCLOSURES	2	EACH					
	MANHOLE SPLICE ENCLOSURES	3	EACH					
	489ACC1-100 PROTECTOR PANEL FRAME	18	EACH					
	MOUNTED WITH 100FT TIP SPLICE							
	489ACC1-100 PROTECTOR PANEL WALL	18	EACH					
	MOUNTED WITH 100FT TIP SPLICE							
	4C1S PROTECTOR MODULES	3600	MODULE					
	3M 710 SPLICE MODULES	180	MODULE					
	9 CELL MULTIPLE PLASTIC DUCT	2600	FOOT					
	4 INCH PVC CONDUIT	350	FOOT					
	#6 AWG GROUND WIRE	500	FOOT					
	MANHOLES	3	MANHOLE					
	MANHOLE CABLE RACKS	12	EACH					
	MANHOLE CABLE HOOKS/HANGERS	36	EACH					
	TRENCHING 30 INCH DEEP X 24 INCH	2800	FOOT					
	WIDE (GRASS, CONCRETE, AND ASPHALT							
	TRENCH RESTORAL	2800	FOOT					
	ASPHALT RESTORAL (4 INCHES THICK)	2200	FOOT					
	CONCRETE RESTORAL (6 INCHES THICK)	1800	FOOT					
	GRASS RESTORAL (TIFTON BERMUDA)	500	FOOT					

BUILDING "A" TO BUILDING "B"
TARGET CONFIGURATION PRICE SHEET
CATEGORY: OUTSIDE PLANT FIBER OPTIC

A	B	C	D	E	F	G	H	I
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT QUANTITY	UNIT OF MEASURE	UNIT COST	TOTAL UNIT COST	LABOR PER UNIT	TOTAL LABOR	TOTAL COST
	48 STRAND MULTI-MODE DIRECT BURIAL	2500	FOOT					
	FIBER (62.5/125)							
	24 STRAND SINGLE MODE DIRECT	2500	FOOT					
	BURIAL FIBER							
	48 STRAND MULTI-MODE PLENUM FIBER	300	FOOT					
	(62.5/125)							
	24 STRAND SINGLE MODE PLENUM	300	FOOT					
	FIBER							
	FIBER TRANSITION SPLICE ENCLOSURE	4	ENCL					
	72 STRAND LIGHTGUIDE SHELF FRAME	1	EACH					
	MOUNTED							
	72 STRAND LIGHTGUIDE SHELF WALL	1	EACH					
	MOUNTED							
	ST CONNECTOR PANELS	24	EACH					
	ST CONNECTORS MULTI-MODE	96	CONN					
	ST CONNECTORS SINGLE MODE	48	CONN					
	ST COUPLINGS MULTI-MODE	96	COUPLING					
	ST COUPLINGS SINGLE MODE	48	COUPLING					
	* BUFFER KITS		KIT					
	FUSION SPLICE	276	SPLICE					
	MECHANICAL SPLICE	12	SPLICE					
	TESTING AND DOCUMENTATION OF	72	FIBER					
	FIBER							
	FRAME FOR LIGHTGUIDE SHELF	1	FRAME					
	3/4 INCH INNERDUCT	5000	FOOT					
	*** = VENDOR TO SUPPLY QUANTITY**							

BUILDING "A" TO BUILDING "C"
TARGET CONFIGURATION PRICE SHEET
CATEGORY: OUTSIDE PLANT FIBER OPTIC

A	B	C	D	E	F	G	H	I
CATALOG NUMBER	COMMODITY DESCRIPTION	UNIT QUANTITY	UNIT OF MEASURE	UNIT COST	TOTAL UNIT COST	LABOR PER UNIT	TOTAL LABOR	TOTAL COST
	96 STRAND MULTI-MODE DIRECT BURIAL	3000	FOOT					
	FIBER (62.5/125)							
	24 STRAND SINGLE MODE DIRECT	3000	FOOT					
	BURIAL FIBER							
	96 STRAND MULTI-MODE PLENUM FIBER	400	FOOT					
	(62.5/125)							
	24 STRAND SINGLE MODE PLENUM	350	FOOT					
	FIBER							
	FIBER TRANSITION SPLICE ENCLOSURE	4	ENCLOSURE					
	144 STRAND LIGHTGUIDE SHELF FRAME	1	EACH					
	MOUNTED							
	144 STRAND LIGHTGUIDE SHELF WALL	1	EACH					
	MOUNTED							
	ST CONNECTOR PANELS	40	EACH					
	ST CONNECTORS MULTI-MODE	192	CONN					
	ST CONNECTORS SINGLE MODE	48	CONN					
	ST COUPLINGS MULTI-MODE	192	COUPLING					
	ST COUPLINGS SINGLE MODE	48	COUPLING					
	* BUFFER KITS		KIT					
	FUSION SPLICE	456	SPLICE					
	MECHANICAL SPLICE	24	SPLICE					
	TESTING AND DOCUMENTATION OF	240	FIBER					
	FIBER							
	FRAME FOR LIGHTGUIDE SHELF	1	FRAME					
	3/4 INCH INNERDUCT	6200	FOOT					
	*** = VENDOR TO SUPPLY QUANTITY**							

INVITATION TO BID NO: 2252488 ADDENDUM NO: 02

STATE OF ALABAMA

DEPTARTMENT OF FINANCE
DIVISION OF PURCHASING

INVITATION TO BID ADDENDUM

FOR: PREMISE DISTRIBUTION SYSTEM

REQ. AGENCY : 999999
PURCHASING DIVISION
AGENCY REQ. NO. :
T-NUMBER : T520
DATE ISSUED : 09/12/13
VENDOR NO. :
VENDOR PHONE NO. :
SNAP REQ. NO. : 1512203
BUYER NAME : PAT ANTLE
BUYER PHONE NO. : (334) 242-7253

BID MUST BE RECEIVED BEFORE:
DATE: 09/23/13 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:
DATE: 09/24/13 TIME: 10:00 AM

PLEASE READ ALL INSTRUCTIONS CAREFULLY

THE FOLLOWING CHANGES ARE HEREBY ADDED TO AND MADE A PART OF
(INVITATION TO BID NUMBER 2252488)

THE STATE'S ANSWER TO QUESTION #11 IN ADDENDUM #1 WAS INCOMPLETE. THIS ADDENDUM WILL CLARIFY THE STATE'S ANSWER.

QUESTION #11: WILL THE SUCCESSFUL VENDOR BE REQUIRED TO PAY SALES TAX FOR ANY MATERIAL OR LABOR PROVIDED UNDER THIS CONTRACT?

ANSWER AS STATED IN ADDENDUM #1: THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

TO FURTHER CLARIFY, THE ANSWER TO QUESTION 11 IS AMENDED AS FOLLOWS:

ANSWER: CHAPTER 355-4-1-.03, ITEM 5 OF THE ADMINISTRATIVE CODE, GENERAL REQUIREMENTS OF VENDORS, STATES "VENDORS ARE PRESUMED TO BE KNOWLEDGEABLE OF ALL LAWS, RULES AND REGULATIONS THAT GOVERN THE PURCHASING PROCESS IN ALABAMA. VENDORS ARE RESPONSIBLE TO READ ALL PAGES CONTAINED IN AN ITB." THE STATE IS EXEMPT FROM PAYING SALES TAX. ANY TAXES THE VENDOR MAY BE RESPONSIBLE FOR PAYING ARE DEFINED IN TITLE 40, CHAPTER 23, ARTICLES 1 AND 2 OF THE CODE OF ALABAMA 1975. THE ALABAMA DEPARTMENT OF REVENUE OVERSEES THE COLLECTION OF SALES AND USE TAX FOR THE STATE OF ALABAMA. IT IS THE VENDOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF WHAT TAXES THE VENDOR WILL BE REQUIRED TO PAY.

VENDORS ARE NOT REQUIRED TO SIGN OR RETURN THIS ADDENDUM.
/PA

* * * * * * * * * * * * * * * * END OF ADDENDUM * * * * * * * * * * * * * * * * *

STATEMENT OF UNDERSTANDING

I UNDERSTAND THE ADDENDUM AND THAT, IF INDICATED, IT MUST BE SIGNED IN INK AND RETURNED WITH THE BID OR SEPARATELY, PROPERLY IDENTIFIED AND RECEIVED PRIOR TO DATE AND TIME SPECIFIED.

ADDENDUM NOTARIZATION NOT REQUIRED

_____ COMPANY NAME

_____ MAIL ADDRESS

_____ CITY, STATE, ZIP

_____ PHONE INCLUDING AREA CODE

_____ AUTHORIZED SIGNATURE (INK)

_____ TYPE/PRINT AUTHORIZED NAME

_____

_____

INVITATION TO BID NO: 2252488 ADDENDUM NO: 01

STATE OF ALABAMA

DEPTARTMENT OF FINANCE
DIVISION OF PURCHASING

INVITATION TO BID ADDENDUM

FOR: PREMISE DISTRIBUTION SYSTEM

REQ. AGENCY	: 999999 PURCHASING DIVISION
AGENCY REQ. NO.	:
T-NUMBER	: T520
DATE ISSUED	: 09/04/13
VENDOR NO.	:
VENDOR PHONE NO.	:
SNAP REQ. NO.	: 1512203
BUYER NAME	: PAT ANTLE
BUYER PHONE NO.	: (334) 242-7253

BID MUST BE RECEIVED BEFORE:
DATE: 09/23/13 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:
DATE: 09/24/13 TIME: 10:00 AM

PLEASE READ ALL INSTRUCTIONS CAREFULLY

THE FOLLOWING CHANGES ARE HEREBY ADDED TO AND MADE A PART OF
(INVITATION TO BID NUMBER 2252488)

BELOW ARE QUESTIONS SUBMITTED BY VENDORS PERTAINING TO ITB 14-X-2252488 ALONG WITH THE STATE'S ANSWERS. THE ANSWERS ARE CONSIDERED TO BE FINAL.

Q: WHAT WAS THE APPROXIMATE DOLLAR VOLUME OF BUSINESS DONE IN THE PAST 12 MONTHS UNDER THE EXISTING CONTRACT T520?

A: THE STATE SPENT $703,528 IN FY12, THE LAST COMPLETED FISCAL YEAR. THIS DOES NOT INCLUDE SCHOOLS OR LOCAL GOVERNMENTS.

Q: SECTION 1.18.2.1 DOES THIS RULE APPLY TO ITEMS THAT NO INSTALLATION IS REQUIRED BY THE CONTRACTOR? SUCH AS PATCH CORDS; WOULD THE SUCCESSFUL VENDOR BE ALLOWED TO SEND THRU U.P.S. DIRECTLY TO THE APPROPRIATE CONTACT?

A: YES, THE VENDOR WILL BE ALLOWED TO SHIP DIRECTLY TO THE CUSTOMER WHEN NO INSTALLATION IS REQUIRED.

Q: SECTION 2.11 WILL THE STATE SUPPLY PLATS OR DRAWINGS OF EXISTING STATE OWNED UTILITIES TO BE LOCATED? WHO WOULD BE LIABLE IF CABLES WERE MISMARKED?

A: NO, THE STATE/ISD DOES NOT HAVE ANY DRAWINGS AND HAS NEVER PROVIDED THEM IN THE PAST. THE VENDOR HAS ALWAYS BEEN RESPONSIBLE FOR CUT CABLES IF THEIR CONTRACTED LOCATION SERVICE PROVIDER MIS-MARKED

(CONTINUED)

STATEMENT OF UNDERSTANDING

I UNDERSTAND THE ADDENDUM AND THAT, IF INDICATED, IT MUST BE SIGNED IN INK AND RETURNED WITH THE BID OR SEPARATELY, PROPERLY IDENTIFIED AND RECEIVED PRIOR TO DATE AND TIME SPECIFIED.

_____ COMPANY NAME

_____ AUTHORIZED SIGNATURE (INK)

ADDENDUM NOTARIZATION NOT REQUIRED

_____ MAIL ADDRESS

_____ TYPE/PRINT AUTHORIZED NAME

_____ CITY, STATE, ZIP

_____

_____ PHONE INCLUDING AREA CODE

_____

THE CABLE LOCATION.

Q: SECTION 3.8.1.4 "SYSTIMAX OR EQUAL 110 DEMARCATIONS" DOES THIS PHRASE INCLUDE PATCH PANELS OR ONLY 110 BLOCKS AND HARDWARE?

A: YES, IT DOES INCLUDE PATCH PANELS. ALSO, WE HAVE SPECIFIC VERBIAGE REFERRING TO PATCH PANELS IN SECTION 3 OF THE SPECIFICATION DOCUMENT.

Q: SECTION 5.21.10.10 IN LOCATIONS THAT WIREMOLD HAS TO BE UTILIZED, WILL THE SUCCESSFUL VENDOR BE REQUIRED TO PAINT IT TO MATCH THE WALL COLOR?

A: YES, IF INSTALLING IN A FINISHED EXISTING LOCATION, AND THE CUSTOMER REQUESTS IT. NO, IF INSTALLING IN NEW CONSTRUCTION.

Q: IS A BID BOND REQUIRED? IF SO, PLEASE PROVIDE THE BOND FORM.

A: A BID BOND IS NOT REQUIRED.

Q: PLEASE PROVIDE THE PERFORMANCE BOND FORM.

A: THE REQUIREMENT FOR FURNISHING A PERFORMANCE BOND IS AS FOLLOWS: VENDOR WILL FURNISH WITHIN TEN STATE BUSINESS DAYS AFTER RECEIPT OF NOTICE OF AWARD, A PERFORMANCE BOND IN THE AMOUNT OF FIVE HUNDRED THOUSAND DOLLARS. IT SHALL CONSIST OF A CASHIER'S CHECK, OTHER TYPE BANK CERTIFIED CHECK (PERSONAL/COMPANY CHECKS ARE NOT ACCEPTABLE), BANK OR POSTAL MONEY ORDER OR SURETY BOND ISSUED BY A COMPANY AUTHORIZED TO DO BUSINESS WITHIN THE STATE OF ALABAMA. IRREVOCABLE LETTER OF CREDIT AND CERTAIN U.S. NOTES AND BONDS MAY BE ACCEPTED WHEN APPROVED BY THE DIVISION OF PURCHASING NO LATER THAN 24 HOURS PRIOR TO THE BID OPENING. THE DIRECTOR OF PURCHASING SHALL BE THE CUSTODIAN OF THE PERFORMANCE BOND. THE BOND MUST REFERENCE THE BID AND BE PAYABLE TO THE STATE OF ALABAMA. THE PERFORMANCE BOND WILL BE RETURNED IN A REASONABLE TIME AFTER THE DIVISION OF PURCHASING HAS RECEIVED VERIFICATION THAT THE CONTRACT HAS BEEN SATISFACTORILY COMPLETED.

Q: SECTION 6 PRICING INFORMATION. DOES THE STATE REQUIRE THAT THE SUBMITTED PRICING BE APPLICABLE TO ALL GEOGRAPHIC REGIONS OF THE STATE?

A: YES,THE PRICING IS APPLICABLE STATEWIDE.

Q: SECTION 1, PARAGRAPH 1.3.1.2. IS IT CORRECT THAT THE STATE REQUIRES ALL PRICING TO REMAIN FIRM FOR THREE YEARS WITH NO PRICE INCREASES ALLOWED? IF SO, WILL THE STATE CONSIDER CHANGING THIS REQUIREMENT TO ALLOW PRICE INCREASES ON AN ANNUAL BASIS?

A: YES, IT IS FOR THREE YEARS. NO, THE THREE YEARS REQUIREMENT WILL NOT BE CHANGED.

Q: SECTION 1, PARAGRAPH 1.4.9. MUST THE BIDDER BE APPROVED TO PROVIDE E-RATE SERVICES AND HAVE A CURRENT SPIN NUMBER ON THE DATE OF SUBMITTING A RESPONSE TO THIS RFP (ITB)?

(CONTINUED)

A: THE E-RATE SPECIFICATION ON PAGE 5 OF THE BID DOCUMENT STATES "IT IS A REQUIREMENT THAT THE AWARDED VENDOR WILL PROVIDE A SERVICE PROVIDER IDENTIFICATION NUMBER (SPIN) AND MAINTAIN ELIGIBLE STATUS WITH THE UNIVERSAL SERVICE ADMINISTRATIVE COMPANY (USAC) AND THE FEDERAL COMMUNICATIONS COMMISSION (FCC) IN ORDER TO PARTICIPATE IN THE E-RATE PROGRAM."

Q: WILL THE SUCCESSFUL VENDOR BE REQUIRED TO PAY SALES TAX FOR ANY MATERIAL OR LABOR PROVIDED UNDER THIS CONTRACT?

A: THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

Q: ARE ANY PREVAILING WAGE RATES APPLICABLE TO THE CONTRACT RESULTING FROM THIS ITB? PLEASE PROVIDE THE APPLICABLE WAGE RATES.

A: THE STATE/ISD IS UNAWARE OF ANY PREVAILING WAGE RATES.

Q: PARKING IN DOWNTOWN AREAS OF MANY CITIES ACROSS THE STATE HAS BECOME VERY EXPENSIVE. IT IS NOT UNCOMMON TO HAVE MULTIPLE TECHNICIAN VEHICLES PARKED AT A COST OF $15 OR MORE PER VEHICLE PER DAY WHILE STATE WORK IS BEING PERFORMED. WILL THE STATE PROVIDE A MEANS TO REIMBURSE THE SUCCESSFUL VENDOR FOR PARKING?

A: NO, THE STATE/ISD WILL NOT REIMBURSE PARKING FEES.

Q: THERE IS OFTEN A SIGNIFICANT AMOUNT OF TRAVEL TIME REQUIRED TO PERFORM SMALL PROJECTS IN OUTLYING AREAS. IN MANY INSTANCES THE TOTAL VALUE OF THESE SMALL PROJECTS IS NOT SUFFICIENT TO COVER THE COST OF THE VEHICLE AND TRAVEL TIME ALONE. WILL THE STATE PROVIDE A MEANS TO ALLOW THE SUCCESSFUL VENDOR TO BE COMPENSATED FOR TRAVEL TIME ON PROJECTS OF THIS NATURE?

A: NO, THE STATE/ISD WILL NOT COMPENSATE FOR TRAVEL TIME OR COSTS.

Q: SECTION 1, PARAGRAPH 1.18.7. HOW WILL THE SUCCESSFUL VENDOR BE COMPENSATED FOR VISITING CUSTOMER SITES TO DETERMINE THE MATERIAL AND INSTALLATION COSTS OF EACH PDS SYSTEM?

A: THE STATE/ISD DOES NOT COMPENSATE FOR SITE SURVEYS.

Q: DUE TO THE SUBSTANTIAL PROPOSAL EFFORT REQUIRED TO RESPOND TO THIS RFP (ITB) WE REQUEST THAT THE DUE DATE BE EXTENDED APPROXIMATELY ONE WEEK TO OCTOBER 1, 2013.

A: THE DUE DATE WILL NOT BE EXTENDED.

THIS ADDENDUM DOES NOT HAVE TO BE SIGNED OR RETURNED.
/PA

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