



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration  
DIVISION OF PURCHASES  
One Capitol Hill  
Providence, RI 02908-5855

# BOND REQUIRED.

OFFICE (401) 277-2317  
FAX (401) 277-6387  
TDD # (401) 277-1228

## BID/PROPOSAL

DATE: 1/22/97

TELEPHONE SYSTEM - DEPARTMENT OF CORRECTIONS

FORMAL BID NO. \_\_\_\_\_ PUBLIC BID NO. \_\_\_\_\_ RFP NO. 1752

DATE & TIME BIDS TO BE RECEIVED IN DIVISION OF PURCHASES: 3/27/97 - 2:20 P.M.

### MANDATORY

PRE-BID/PROPOSAL CONFERENCE DATE: 2/10/97 TIME 1:00 P.M.

LOCATION: DEPARTMENT OF CORRECTIONS - ADMINISTRATION BLDG. #53  
40 HOWARD AVENUE, CRANSTON, RI

BUYER: J. MOYNIHAN / *JM* SURETY REQUIRED \_\_\_\_\_ NO SURETY REQUIRED XX  
ADMINISTRATOR, PURCHASING SYSTEMS

BE SURE ALL INFORMATION SHOWN BELOW IS CORRECT.  
FEDERAL EMPLOYER IDENTIFICATION NUMBER MUST BE INCLUDED.

COMPANY NAME: \_\_\_\_\_ FEIN: \_\_\_\_\_

STREET AND NUMBER: \_\_\_\_\_

CITY, STATE & ZIP CODE: \_\_\_\_\_

Certification--Under penalties of perjury, I certify that:

- (1) The number shown on this form is my correct Taxpayer Identification Number (or I am waiting for a number to be issued to me), and
- (2) I am not subject to backup withholding either because I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or the IRS has notified me that I am no longer subject to backup withholding.

Certification Instructions--You must cross out item (2) above if you have been notified by IRS that you are subject to backup withholding because of underreporting interest or dividends on your tax return. However, if after being notified by IRS that you were subject to backup withholding you received another notification from IRS that you are no longer subject to backup withholding, do not cross out item (2).

Print Name and Title \_\_\_\_\_ Telephone Number \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Company F.E.I.N. \_\_\_\_\_

**THIS BID WILL NOT BE HONORED UNLESS SIGNED**

## TERMS AND CONDITIONS

This solicitation is issued in accordance with the specific requirements described herein, and the State's General Conditions Of Purchase, a copy of which may be obtained from the Secretary of State.

Bids are irrevocable for sixty (60) days of the opening date, and may not be withdrawn, except with the express permission of the State Purchasing Agent - all pricing will be considered to be firm and fixed unless otherwise indicated herein.

All bids must define delivery dates for all items; if no delivery date is specified, it is assumed that immediate delivery from stock will be made.

After an award has been made, failure to meet all requirements of this invitation may result in a determination of default.

Unless specified otherwise herein, payment shall not be due prior to thirty (30) working days following the later of delivery or completion or the submission of a properly formatted invoice. Payments for partial delivery will not be made, except where expressly provided for herein.

## GENERAL INSTRUCTIONS

Bids must be delivered to the Office of Purchases, sealed in the envelope furnished, by the time and date specified for the opening of responses. Bids misdirected to other state locations or which are not present in the Office of Purchases at the time of opening for whatever cause will be considered to be late, and will be returned unopened. For the purposes of this requirement, the official time and date shall be that of the time clock in the reception area of the Office of Purchases.

Submit in ink, a complete, signed original bid package. Vendor must show firm name and bid prices quoted in both columns.

Price each item individually, unless group pricing has been specifically requested, F.O.B. destination, less federal/state tax on the sheet(s) provided, and in the space(s) indicated only. Alternate price offers must be submitted separately.

Unless specified "no substitute", product offerings equivalent in quality and performance will be considered (at the sole option of the state) on the condition that the bid is accompanied by detailed product specifications.

## NOTICE TO BIDDERS

The Office of Purchases issues two categories of invitations for bid: "public" and "formal". Bidders are encouraged to attend public bid openings in order to obtain competitive pricing information (formal bids do not involve public openings). Bid tabulations (for public bids) and bid responses (for formal bids) may be reviewed after award(s) have been made by calling in person at the Office of Purchases Mondays through Fridays between 8:30 A.M. and 3:30 P.M. - telephone and written requests will not be honored.

Offerors are advised that all materials submitted to the State for consideration in response to this solicitation will be considered to be Public Records pursuant to Title 38 Chapter 2, R.I.G.L., without exception, and will be released for inspection immediately upon request once an award has been made.

Where bid surety is required, bidder must furnish a bid bond or certified check for 5% of the bid total, or for such other amount as may be specified. Where indicated, successful bidder must furnish a 100% performance bond and labor & payment bond for contracts subject to Title 37 Chapter 12, R.I.G.L. All bonds must be furnished by a surety company authorized to conduct business in the state of Rhode Island.

Provisions of state labor laws concerning payment of prevailing wage rates shall apply for contracts involving public works construction, alteration, or building repair work.

State Equal Employment Opportunity Compliance certificate and agreement procedures will apply to all awards for supplies or services valued at \$10,000 and more. Minority Business Enterprise policies and procedures, including sub-contracting opportunities as described in Title 37 Chapter 14.1, R.I.G.L., also apply.

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**RHODE ISLAND  
DEPARTMENT OF CORRECTIONS  
HOWARD CENTER**

**REQUEST FOR PROPOSAL  
#1752**

**TELEPHONE SYSTEM  
VOICE PROCESSING  
CALL ACCOUNTING  
PRISONER COIN LESS PAY PHONE**

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## **I. INTRODUCTION**

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**1.1** This request for proposal is organized into the following chapters.

**I. INTRODUCTION**

**II. FORMAT**

Rules and regulations requisite to the successful completion of this document.

**III. VENDOR INFORMATION**

Requests information from prospective Vendors concerning their viability and abilities to successfully accomplish the goals set forth in this document.

**IV. OUTSIDE PLANT REQUIREMENTS**

Provides details and specifications to link all Department of Corrections sites in the Howard Center together.

**V. INSIDE PLANT REQUIREMENTS**

Provides details and specifications for the provision of communications infrastructure within each building.

**VI. TELEPHONE SYSTEM REQUIREMENTS**

Provides configuration and feature requirements for the new telephone system plus voice processing, call accounting and a prisoner coin less pay phone system.

**VII. PRICING ISSUES**

- 1.2 The Rhode Island Department of Corrections (RI DOC) maintains its state-wide institutions at the Howard Center on Howard Avenue in Cranston, Rhode Island. RI DOC telecommunications services is currently supported by a complex-wide shared telephone system.

The Department wishes to acquire a new, state-of-the-art telecommunications systems with voice processing and call accounting (with new inside and outside communications infrastructure) by trading the revenues associated with its inmate pay phone traffic (upwards of 2,000,000 calls per year) for the equipment and services, along with the continued payment of commissions to the inmate fund (See below),

This document calls for the deployment of a decentralized telephone system interconnected with a back-bone of fiber optics and copper cable. The central system will be housed in the basement of the Administration A Building on Howard Avenue. The main site will support Admin Building B, the Marshall's facility via copper cable. Remote modules will be placed as follows:

- ☛ Intake Service Center (ISC),
- ☛ High Security (HSC) with copper connection to the Sundlun Building on Power Road,
- ☛ Maximum Security (MAX),
- ☛ Central Storage with connection to the Warehouse Plant and garage facilities on Power Road.
- ☛ Minimum Security (MIN).
- ☛ Medium Security (MED).
- ☛ Pinel Building servicing the Women's prison area. and
- ☛ the Medium Security Annex (Currently the Special Needs Facility.).

In addition, additional fiber optics cable has been included to support data communications within the complex.

RI DOC contemplates a 4<sup>th</sup> quarter, 1997 completion of the project.

The system will be designed to support up to 10,000 telephone stations. The outside plant infrastructure has been designed to include other state agencies resident in the Howard center. It is contemplated that these agencies, at the agencies expense, will eventually migrate onto the RI DOC telephone system when budgets permit.

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## **II. CONDITIONS AND FORMATS**

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- 2.1** This document consists of requests for the installation of a state-of-the-art telecommunications system, voice processing system, call accounting system, prisoner coin less pay phone system, call logging system, outside and inside communications infrastructure for the State of Rhode Department of Corrections Howard Center complex.
- 2.1a** The Contractor warrants that each hardware, software, and firmware product delivered under this contract shall be able to accurately process date data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, including leap year calculations, when used in accordance with the product documentation provided by the Contractor, such listed product properly exchange date data with it. If the contract requires that specific products must perform as a system in accordance with a foregoing warranty, then the warranty shall apply to those listed products as a system. The duration of the warranty and the remedies available to the Government for breach of this warranty shall be defined in, and subject to, the terms and limitations of the Contractor's standard commercial warranty or warranties contained in this contract, provided that notwithstanding any provision to the contrary in such commercial warranty or warranties, the remedies available to the Government under this warranty shall include repair or replacement of any listed product whose non-compliance is discovered and made known to the Contractor in writing within 90 days after acceptance. Nothing in this warranty shall be construed to limit any right or remedies the Government may otherwise have under this contract with respect to defects other than Year 2000 performance.
- 2.1b** For this particular contract, the successful respondent will be required to provide the following items prior to an award being issued.
1. Performance Bond in the amount of \$2,000,000.
  2. Labor and Materials Bond in the amount of \$2,000,000.
  3. A Certificate of Insurance, as described in the General Terms and Conditions.
- 2.1c** Bidders are advised that all materials submitted to the State of Rhode Island for consideration in response to this request for proposals will be considered to be public records as defined in Title 38 Chapter 2 of the Rhode Island General Laws, without exception, and will be released for inspection immediately upon request once an award is made.

- 2.1d** Offerors must provide evidence of licensure as a telecommunications system contractor, in compliance with Title 5 Chapter 70 (RIGL), with their offers.

## **2.2 Governing Terms and Conditions**

- 2.2.0** All State Purchase Orders, Contracts, Solicitations, Delivery Orders and Service Requests shall incorporate and be subject to the provisions of Title 37 Chapter 2 of the General Laws of the State of Rhode Island, the Regulations adopted pursuant thereto, all other applicable provisions of the Rhode Island General Laws, specific requirements described in the Request or Contract, and the following General Conditions of Purchase:
- 2.2.1 GENERAL** - All purchase orders, contracts, solicitations, delivery orders, and service requests are for specified goods and services, in accordance with express terms and conditions of purchase, as defined herein. For the purposes of this document, the terms "bidder" and "contractor" refer to any individual, firm, corporation, or other entity presenting a proposal indicating a desire to enter into contracts with the State, or with whom a contract is executed by the State's Purchasing Agent, and the term "contractor" shall have the same meaning as "vendor" .
- 2.2.2 ENTIRE AGREEMENT** - The State's Purchase Order, or other State contract endorsed by the State Division of Purchases, shall constitute the entire and exclusive agreement between the State and any contractor receiving an award. In the event of any conflict between the bidder's standard terms of sale, these conditions or more specific provisions contained in the solicitation shall govern. All communication between the State and any contractor pertaining to any award or contract shall be accomplished in writing.
- 2.2.2.a** Each proposal will be received with the understanding that the acceptance, in writing, by contract or Purchase Order by the Purchasing Agent of the offer to do work or to furnish any or all the materials, equipment, supplies or services described therein shall constitute a contract between the bidder and the State. This shall bind the bidder on his part to furnish and deliver at the prices and in accordance with the conditions of said accepted proposal and detailed specifications and the State on its part to order from such contractor (except in case of emergency) and to pay for at the agreed prices, all materials, equipment, supplies or services specified and delivered. A contract shall be deemed executory only to the extent of funds available for payment of the amounts shown on Purchase Orders issued by the State to the contractors.
- 2.2.2.b** No alterations or variations of the terms of the contract shall be valid or binding upon the State unless submitted in writing and accepted by the Purchasing Agent. All orders



and changes thereof must emanate from the Division of Purchases: no oral agreement or arrangement made by a contractor with an agency or employee will be considered to be binding on the Purchasing Agent, and may be disregarded.

**2.2.2.c** Contracts will remain in force for the contract period specified or until all articles or services ordered before date of termination shall have been satisfactorily delivered or rendered and accepted and thereafter until all terms and conditions have been met, unless:

- (1) terminated prior to expiration date by satisfactory delivery against orders of entire quantities, or
- (2) extended upon written authorization of the Purchasing Agent and accepted by the contractor, to permit ordering of the unordered balances or additional quantities at the contract price and in accordance with the contract terms, or
- (3) canceled by the State in accordance with other provisions stated herein.

**2.2.2.d** It is mutually understood and agreed that the contractor shall not assign, transfer, convey, sublet or otherwise dispose of this contract or his right, title or interest therein, or his power to execute such contract, to any other person, company or corporation, without the previous consent, in writing, of the Purchasing Agent.

**2.2.2.e** If, subsequent to the submission of an offer or issuance of a purchase order or execution of a contract, the bidder or contractor shall merge with or be acquired by another entity, the contract may be terminated, except as a corporate resolution prepared by the contractor and the new entity ratifying acceptance of the original bid or contract terms, condition, and pricing is submitted to the Division of Purchases, and expressly accepted.

**2.2.2.f** The contractor or bidder further warrants by submission of an offer or acceptance of a purchase order or other contract that he has no knowledge at the time of such action of any outstanding and delinquent or otherwise unsettled debt owed by him to the State, and agrees that later discovery by the Purchasing Agent that this warranty was given in spite of such knowledge, except where the matter is pending in hearing or from any appeal therefrom, shall form reasonable grounds for termination of the contract.

**2.2.3 SUBCONTRACTS** - No subcontracts or collateral agreements shall be permitted, except with the State's express consent. Upon request, contractors must submit to the Division of Purchases a list of all subcontractors to be employed in the performance of any Purchase Order or other contract arising from this Request.

**2.2.4 RELATIONSHIP OF PARTIES** - The contractor or bidder warrants, by submission of an

offer or acceptance of a purchase order or other contract, that he is not an employee, agent, or servant of the State, and that he is fully qualified and capable in all material regards to provide the specified goods and services. Nothing herein shall be construed as creating any contractual relationship or obligation between the State and any sub-bidder, subcontractor, supplier, or employee of the contractor or offeror.

- 2.2.5 COSTS OF PREPARATION** - All costs associated with the preparation, development, or submission of bids or other offers will be borne by the offeror. The State will not reimburse any offeror for such costs.
- 2.2.6 SPECIFIED QUANTITY REQUIREMENT** - Except where expressly specified to the contrary, all solicitations and contracts are predicated on a specified quantity of goods or services, or for a specified level of funding.
- 2.2.6.a** The State reserves the right to modify the quantity, scope of service, or funding of any contract, with no penalty or charge, by written notice to the contractor, except where alternate terms have been expressly made a part of the contract.
- 2.2.6.b** The State shall not accept quantities in excess of the specified quantity except where the item is normally sold by weight (where sold by weight, the State will not accept quantities greater than ten per cent [10%] of the specified quantity), or where the Request or Contract provides for awards for other than exact quantities.
- 2.2.6.c** Purchase Orders or other contracts may be increased in quantity or extended in term without subsequent solicitation with the mutual consent of the contractor and the State, where determined by the Purchasing Agent to be in the State's best interest.
- 2.2.7 TERM AND RENEWAL** - Where offers have been requested or contracts awarded for terms exceeding periods of twelve (12) months, it is mutually understood and agreed that the State's commitment is limited to a base term not to exceed twelve (12) months, subject to renewal annually at the State's sole option for successive terms as otherwise described, except where expressly specified to the contrary. Purchase-orders appearing to commit to obligations of funding or terms of performance may be executed for administrative convenience, but are otherwise subject to this provision, and in such cases the State's renewal shall be deemed to be automatic, conditional on the continued availability of appropriated funds for the purpose, except as written notice of the State's intent not to renew is served.
- 2.2.8 DELIVERY** - Delivery must be made as ordered and in accordance with the proposal. If delivery qualifications do not appear on the bidder's proposal, it will be interpreted to mean

that goods are in stock and that shipment will be made within seven (7) calendar days. The decision of the Purchasing Agent, as to reasonable compliance with the delivery terms, shall be final. Burden of proof of delay in receipt of order shall rest with the contractor. No delivery charges shall be added to invoices except when authorized on the Purchase Order.

**2.2.9 FOREIGN CORPORATIONS** - In accordance with Title 7 Chapter 1.1 of the General Laws of Rhode Island, no foreign corporation shall have the right to transact business in this state until it shall have procured a certificate of authority so to do from the Secretary of State.

**2.2.10 PRICING** - All pricing offered or extended to the State is considered to be firm and fixed unless expressly provided for to the contrary. All prices shall be quoted F.O.B. Destination with freight costs included in the unit cost to be paid by the State, except, where the Request or Contract permits, offers reflecting F.O.B. Shipping Point will be considered, and freight costs may then be prepaid and added to the invoice.

**2.2.11 COLLUSION**- Bidder or contractor warrants that he has not, directly or indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of full competitive bidding. In special circumstances, an executed affidavit will be required as a part of the bid.

**2.2.12 PROHIBITION AGAINST CONTINGENT FEES AND GRATUITIES** - Bidder or contractor warrants that he has not paid, and agrees not to pay, any bonus, commission, fee, or gratuity to any employee or official of the State for the purpose of obtaining any contract or award issued by the State. Bidder or contractor further warrants that no commission or other payment has been or will be received from or paid to any third party contingent on the award of any contract by the State, except as shall have been expressly communicated to the State Purchasing Agent in writing prior to acceptance of the contract or award in question. Subsequent discovery by the State of non-compliance with these provisions shall constitute sufficient cause for immediate termination of all outstanding contracts and suspension or debarment of the bidder(s) or contractor(s) involved.

**2.2.13 AWARDS**- Awards will be made with reasonable promptness and by written notice to the successful bidder (only); bids are considered to be irrevocable for a period of sixty (60) days following the bid opening unless expressly provided for to the contrary in the Request, and may not be withdrawn during this period without the express permission of the Purchasing Agent.

**2.2.13.a** Awards shall be made to the bidder(s) whose offer(s) constitutes the lowest responsive price offer (or lowest responsive price offer on an evaluated basis) for the item(s) in question or for the Request as a whole, at the option of the State. The State reserves the right to determine those offers which are responsive to the Request, or

which otherwise serve its best interests.

- 2.2.13.b** The State reserves the right, before making award, to initiate investigations as to whether or not the materials, equipment, supplies, qualifications or facilities offered by the bidder meet the requirements set forth in the proposal and specification, and are ample and sufficient to insure the proper performance of the contract in the event of award. If upon such examination it is found that the conditions of the proposal are not complied with or that articles or equipment proposed to be furnished do not meet the requirements called for, or that the qualifications or facilities are not satisfactory, the State may reject such a bid. It is distinctly understood, however, that nothing in the foregoing shall mean or imply that it is obligatory upon the State to make any examinations before awarding a contract; and it is further understood that if such examination is made, it in no way relieves the contractor from fulfilling all requirements and conditions of the contract.
- 2.2.13.c** Qualified or conditional offers which impose limitations of the bidder's liability or modify the requirements of the bid, offers for alternate specifications, or which are made subject to different terms and conditions than those specified by the State may, at the option of the State, be 1) rejected as being non-responsive, or 2) set aside in favor of the State's terms and conditions (with the consent of the bidder), or 3) accepted, where the State Purchasing Agent determines that such acceptance best serves the interests of the State. Acceptance or rejection of alternate or counter-offers by the State shall not constitute a precedent which shall be considered to be binding on successive solicitations or procurements.
- 2.2.13.d** Bids submitted in pencil, or which do not bear an original signature, in ink, by an owner or authorized agent thereof, will not be accepted.
- 2.2.13.e** Bids must be extended in the unit of measure specified in the Request. In the event of any discrepancy between unit prices and their extensions, the unit price will govern.
- 2.2.13.f** The Purchasing Agent reserves the right to determine the responsibility of any bidder for a particular procurement.
- 2.2.13.g** The Purchasing Agent reserves the right to reject any and all bids in whole or in part, to waive technical defects, irregularities, and omissions, and to give consideration to past performance of the offerors where, in his judgment the best interests of the State will be served by so doing.
- 2.2.13.h** The Purchasing Agent reserves the right to make awards by items, group of items or

on the total low bid for all the items specified as indicated in the detailed specification, unless the bidder specifically indicates otherwise in his bid.

- 2.2.13.i Preference may be given to bids on products raised or manufactured in the State, other things being equal.
- 2.2.13.j The impact of discounted payment terms shall not be considered in evaluating responses to any Request.
- 2.2.13.k The Purchasing Agent reserves the right to act in the State's best interests regarding awards caused by clerical errors by the Division of Purchases.

**2.2.14 SUSPENSION AND DEBARMENT** - The Purchasing Agent may suspend or debar any vendor or potential bidder, for good cause shown:

- 2.2.14.a A debarment or suspension against a part of a corporate entity constitutes debarment or suspension of all of its divisions and all other organizational elements, except where the action has been specifically limited in scope and application, and may include all known corporate affiliates of a contractor, when such offense or act occurred in connection with the affiliate's performance of duties for or on behalf of the contractor, or with the knowledge, approval, or acquiescence of the contractor or one or more of its principals or directors (or where the contractor otherwise participated in, knew of, or had reason to know of the acts)
- 2.2.14.b The fraudulent, criminal or other serious improper conduct of any officer, director, shareholder, partner, employee, or any other individual associated with a contractor may be imputed to the contractor when the conduct occurred in connection with the individual's performance of duties for or on behalf of the contractor, or with the contractor's knowledge, approval or acquiescence. The contractor's acceptance of benefits derived from the conduct shall be evidence of such knowledge, approval, or acquiescence.
- 2.2.14.c A vendor or contractor who knowingly engages as a subcontractor for a contract awarded by the State to a vendor or contractor then under a ruling of suspension or debarment by the State shall be subject to disallowance of cost, annulment or termination of award, issuance of a stop work order, or debarment or suspension, as may be judged to be appropriate by the State Purchasing Agent.

**2.2.15 PUBLIC RECORDS** - Contractors and bidders are advised that all documents, correspondence, and other submissions to the Division of Purchases may be accessible as

public records, pursuant to Title 38, Chapter 2 of the General Laws, absent specific notice that portions of such submittals may contain confidential or proprietary information, such that public access to those items should be withheld.

**2.2.16 PRODUCT EVALUATION** - In all specifications, the words "or equal" are understood after each article when manufacturer's name or catalog are referenced. If bidding on items other than those specified, the bidder must, in every instance, give the trade designation of the article, manufacturer's name and detailed specifications of the item the bidder proposes to furnish; otherwise, the bid will be construed as submitted on the identical commodity described in the detailed specifications. The Purchasing Agent reserves the right to determine whether or not the item submitted is the approved equal of the detailed specifications.

**2.2.16.a** Any objections to specifications must be filed by a bidder, in writing, with the Purchasing Agent at least 96 hours before the time of bid opening to enable the Division of Purchases to properly investigate the objections.

**2.2.16.b** All standards are minimum standards except as otherwise provided for in the Request or Contract.

**2.2.16.c** Samples must be submitted to the Division of Purchases in accordance with the terms of the proposals and detailed specifications. Samples must be furnished free of charge and must be accompanied by descriptive memorandum invoices indicating whether or not the bidder desires their return and specifying the address to which they are to be returned (at the bidder's risk and expense), provided they have not been used or made useless by tests; and absent such instructions, the samples shall be considered to be abandoned. Award samples may be held for comparison with deliveries.

**2.2.16.d** All samples submitted are subject to test by any laboratory the State Purchasing Agent may designate.

**2.2.17 PRODUCT ACCEPTANCE** - All merchandise offered or otherwise provided shall be new, of prime manufacture, and of first quality unless otherwise specified by the State. The State reserves the right to reject all non-conforming goods, and to cause their return for credit or replacement, at the State's option. Contract deliverables specified for procurement of services shall be construed to be work products, and subject to the provisions of this section.

**2.2.17.a** Failure by the State to discover latent defect(s) or concealed damage or non-conformance shall not foreclose the State's right to subsequently reject the goods in question.

2.2.17.b Formal or informal acceptance by the State of non-conforming goods shall not constitute a precedent for successive receipts or procurement.

2.2.17.c Where the contractor fails to promptly cure the defect or replace the goods, the State reserves the right to cancel the Purchase Order, contract with a different contractor, and to invoice the original contractor for any differential in price over the original contract price.

2.2.17.d When materials, equipment or supplies are rejected, the same must be removed by the contractor from the premises of the State Agency within forty-eight (48) hours of notification. Rejected items left longer than two days will be regarded as abandoned and the State shall have the right to dispose of them as its own property.

**2.2.18 PRODUCT WARRANTIES** - All product or service warranties normally offered by the contractor or bidder shall accrue to the State's benefit, in addition to any special requirements which may be imposed by the State. Every unit delivered must be guaranteed against faulty material and workmanship for a period of one year unless otherwise specified, and the State may, in the event of failure, order its replacement, repair, or return for full credit, at its sole option.

**2.2.19 PAYMENT-** Unless otherwise provided for by the Request or Contract, payment shall not be made until delivery has been made, or services performed, in full, and accepted. Payment shall not be due prior to thirty (30) working days following the latest of completion, acceptance, or the rendering of a properly submitted invoice.

2.2.19.a Payment terms other than the foregoing may be rejected as being non-responsive.

2.2.19.b No partial shipments will be accepted, unless provided for by the Request or Contract.

2.2.19.c Where a question of quality is involved, payment in whole or part against which to charge back any adjustment required, shall be withheld at the direction of the Purchasing Agent. In the event a cash discount is stipulated, the withholding of payments, as herein described, will not deprive the State from taking such discount.

2.2.19.d Payments for used portion of inferior delivery will be made by the State on an adjusted price basis.

2.2.19.e Payments on contracts under architectural or engineering supervision must be accompanied by a Certificate of Payment and Statement of Account signed by the

architect or engineer and submitted to the Agency involved for approval.

- 2.2.20 THIRD PARTY PAYMENTS** - The State recognizes no assigned or collateral rights to any purchase agreement except as may be expressly provided for in the bid or contract documents, and will not accede to any request for third party or joint payment(s), except as provided for in specific orders by a court of competent jurisdiction, or by express written permission of the Purchasing Agent. Where an offer is contingent upon such payment(s), the offeror is obligated to serve affirmative notice in his bid submission.
- 2.2.21 SET-OFF AGAINST PAYMENTS** - Payments due the contractor shall be subject to reduction by the State Controller equal to the amount of unpaid and delinquent state taxes (or other just debt owed to the State), except where notice of delinquency has not been served or while the matter is pending in hearing or from any appeal therefrom.
- 2.2.22 CLAIMS** - Any claim against a contractor may be deducted by the State from any money due him in the same or other transactions. If no deduction is made in such fashion, the contractor shall pay the State the amount of such claim on demand. Submission of a voucher and payment, thereof, by the State shall not preclude the Purchasing Agent from demanding a price adjustment in any case when the commodity delivered is later found to deviate from the specifications and proposal.
- 2.2.22.a The Purchasing Agent may assess dollar damages against a vendor or contractor determined to be non-performing or otherwise in default of their contractual obligations equal to the cost of remedy incurred by the State, and make payment of such damages a condition for consideration for any subsequent award. Failure by the vendor or contractor to pay such damages shall constitute just cause for disqualification and rejection, suspension, or debarment.
- 2.2.23 STATE CONTROLLER'S CERTIFICATION OF FUNDING** - Certification as to the availability of funds to support the procurement is for the current fiscal year ending June 30th only. Where delivery or service requirements extend beyond the end of the current fiscal year, such extensions are subject to both the availability of appropriated funds and a determination of continued need.
- 2.2.24 UNUSED BALANCES** - Unless otherwise specified, all unused Blanket Order quantities and/or unexpended funds shall be automatically canceled on the expiration of the specified term. Similarly, for orders encompassing more than one State fiscal year, unexpended balances of funding allotted for an individual fiscal year may be liquidated at the close of that fiscal year, at the State's sole option.



**2.2.25 MINORITY BUSINESS ENTERPRISES** - Pursuant to the provisions of Title 37 Chapter 14.1 of the General Laws, the State reserves the right to apply additional consideration to offers, and to direct awards to bidders other than the responsive bid representing the lowest price where:

**2.2.25.a** the offer is fully responsive to the terms and conditions of the Request, and

**2.2.25.b** the price offer is determined to be within a competitive range (not to exceed 5 % higher than the lowest responsive price offer) for the product or service, and

**2.2.25.c** the firm making the offer has been certified by the R.I. Department of Economic Development to be a small business concern meeting the criteria established to be considered a Minority Business Enterprise.

**2.2.25.d** Ten per cent [10%] of the dollar value of the work performed against contracts for construction exceeding \$5,000 shall be performed by Minority Business Enterprises where it has been determined that subcontract opportunities exist, and where certified Minority Business Enterprises are available. A contractor may count towards its MBE, DBE, or WBE goals 60% of its expenditures for materials and supplies required under a contract and obtained from an MBE, DBE, or WBE regular dealer, and 100% of such expenditures when obtained from an MBE, DBE, or WBE manufacturer. Awards of this type shall be subject to approval, by the Director of Administration, of a Subcontracting Plan submitted by the bidder receiving the award.

**2.2.26 PREVAILING WAGE REQUIREMENT** - In accordance with Title 37 Chapter 13 of the General Laws of Rhode Island, payment of the general prevailing rate of per diem wages and the general prevailing rate for regular, overtime and other working conditions existing in the locality for each craft, mechanic, teamster, or type of workman needed to execute this work is a requirement for both contractors and subcontractors for all public works.

**2.2.27 EQUAL OPPORTUNITY COMPLIANCE AND AFFIRMATIVE ACTION** - Contractors of the State are required to demonstrate the same commitment to equal opportunity as prevails under federal contracts controlled by Federal Executive Orders 11246, 11625, and 11375, and Title 28 Chapter 5.1 of the General Laws of Rhode Island. Affirmative action plans shall be submitted by the contractor for review by the State Equal Opportunity Office. A contractor's failure to abide by the rules, regulations, contract terms and compliance reporting provisions as established shall be grounds for forfeiture and penalties as shall be established, including but not limited to suspension.

**2.2.28 DRUG-FREE WORKPLACE REQUIREMENT** - In accordance with Executive Order No. 91-14, Contractors who do business with the State and their employees shall abide by the State's drug-free workplace policy and the contractor shall so attest by signing a certificate of compliance.

**2.2.29 GOODS PRODUCED IN THE REPUBLIC OF SOUTH AFRICA** - In accordance with Chapters 35-10-12 and 37-2-57 of the General Laws, goods which are known to be wholly produced in the Republic of South Africa may not be accepted for any procurement of the State of Rhode Island; the offeror attests by his submission of a bid or offer, or acceptance of a purchase order or other contract, that these prohibitions do not apply to material or goods which form the basis for his offer or contract.

**2.2.30 TAXES** - The State of Rhode Island is exempt from payment of excise, transportation and sales tax imposed by the Federal or State Government. These taxes should not be included in the proposal price. Exemption Certificates will be furnished upon request.

**2.2.31 INSURANCE**- All construction contractors, independent tradesmen, or firms providing any type of maintenance, repair, or other type of service to be performed on state premises, buildings, or grounds are required to purchase and maintain coverage with a company or companies licensed to do business in the state as follows:

**2.2.31.a Comprehensive General Liability Insurance -**

1) Bodily Injury	\$1,000,000 each occurrence
	\$1,000,000 annual aggregate

2) Property Damage	\$500,000 each occurrence
	\$500,000 annual aggregate

Independent Contractors

Contractual - including construction hold harmless and other types of contracts or agreements in effect for insured operations

Completed Operations

Personal Injury (with employee exclusion deleted)

**2.2.31.b Automobile Liability Insurance--Combined Single Limit \$1,000,000 each occurrence**

Bodily Injury

Property Damage, and in addition non-owned and/or hired vehicles and equipment

**2.2.31.c Workers' Compensation Insurance - Coverage B \$100,000**

2.2.31.d The Purchasing Agent reserves the right to consider and accept alternate forms and plans of insurance or to require additional or more extensive coverage for any individual requirement. Successful bidders shall provide certificates of coverage, reflecting the State of Rhode Island as an additional insured, to the Division of Purchases, forty-eight (48) hours prior to the commencement of work, as a condition of award. Failure to comply with this provision shall result in rejection of the offeror's bid.

**2.2.32 BID SURETY** - When requested, a bidder must furnish a Bid Bond or Certified Check for 5 % of his bid, or for the stated amount shown in the solicitation. Bid Bonds must be executed by a reliable Surety Company authorized to do business in the State of Rhode Island. Failure to provide Bid Surety with bid may be cause for rejection of bid. The Bid Surety of any three bidders in contention will be held until an award has been made according to the specifications of each proposal. All others will be returned by mail within 48 hours following the bid opening. Upon award of a contract, the remaining sureties will be returned by mail unless instructed to do otherwise.

**2.2.33 PERFORMANCE AND LABOR AND PAYMENT BONDS** - A performance bond and labor and payment bond of up to 100% of an award may be required by the Purchasing Agent. Bonds must meet the following requirements:

2.2.33.a Corporation: The Bond must be signed by an official of the corporation above his official title and the corporate seal must be affixed over his signature.

2.2.33.b Firm or Partnership: The Bond must be signed by all of the partners and must indicate that they are "Doing Business As (name of firm). "

2.2.33.c Individual: The Bond must be signed by the individual owning the business and indicate "Owner".

2.2.33.d The Surety Company executing the Bond must be licensed to do business in the State of Rhode Island or Bond must be countersigned by a company so licensed.

2.2.33.e The Bond must be signed by an official of the Surety Company and the corporate seal must be affixed over his signature.

2.2.33.f Signatures of two witnesses for both the principal and the Surety must appear on the Bond.

2.2.33.g A Power of Attorney for the official signing of the Bond for the Surety Company

must be submitted with the Bond.

**2.2.34 DEFAULT AND CANCELLATION** - A contract may be canceled or annulled at the contractor's expense upon non-performance of contract, or breach, by the contractor, of any of his obligations. Failure of contractor to cure such non-performance or breach within ten working days after the receipt of notice, shall be sufficient cause for the cancellation of the contract in question, the cancellation of all outstanding contracts or sub-contracts held by the contractor, and the suspension or debarment of the contractor from future procurement.

**2.2.34.a** Failure of a contractor to deliver or perform within the time specified, or within reasonable time as interpreted by the Purchasing Agent or failure to make replacement of rejected articles, when so requested, immediately or as directed by the Purchasing Agent, will cause the Purchasing Agent to purchase in the open market to replace those rejected or not delivered. The Purchasing Agent reserves the right to authorize immediate purchase in the open market against rejections on any contract when necessary. On all such purchases, the contractor, or his surety, agrees to promptly reimburse the State for excess costs occasioned by such default. Should the cost be less, the contractor shall have no claim to the difference.

**2.2.34.b** A contractor who fails to commence within the time specified or complete an award made for repairs, alterations, construction, or any other service will be considered in default of contract. The Purchasing Agent may contract for completion of the work with another contractor and seek recourse from the defaulting contractor or his surety.

**2.2.34.c** If contractor consistently fails to deliver quantities or otherwise perform as specified, the Purchasing Agent reserves the right to cancel the contract and purchase the balance in the open market at the contractor's expense.

**2.2.35 INDEMNITY** - The contractor guarantees:

**2.2.35.a** To save the State, its agents and employees, harmless from any liability imposed upon the State arising from the negligence, either active or passive, of the contractor, as well as for the use of any copyrighted or uncopyrighted composition, -secret process, patented or unpatented invention, article or appliance furnished or used in the performance of the contract of which the contractor is not the patentee, assignee or licensee.

**2.2.35.b** To pay for all permits, licenses and fees and give all notices and comply with all laws, ordinances, rules and regulations of the city or town in which the installation

is to be made and of the State of Rhode Island.

**2.2.35.c** That the equipment offered is standard new equipment, latest model of regular stock product with all parts regularly used with the type of equipment offered; also, that no attachment or part has been substituted or applied contrary to manufacturer's recommendations and standard practice.

**2.2.36 CONTRACTOR'S OBLIGATIONS** - In addition to the specific requirements of the contract, construction and building repair contractors bear the following standard responsibilities:

**2.2.36.a** To furnish adequate protection from damage for all work and to repair damages of any kind, for which he or his workmen are responsible, to the building or equipment, to his own work, or to the work of other contractors;

**2.2.36.b** To clear and remove all debris and rubbish resulting from his work from time to time, as directed or required, and on completion of the work leave the premises in a neat unobstructed condition, broom clean, and in satisfactory order and repair;

**2.2.36.c** To store equipment, supplies, and material at the site only upon approval by the State, and at his own risk;

**2.2.36.d** To perform all work so as to cause the least inconvenience to the State, and with proper consideration for the rights of other contractors and workmen;

**2.2.36.e** To acquaint themselves with conditions to be found at the site, and to assume responsibility for the appropriate dispatching of equipment and supervision of his employees during the conduct of the work; and

**2.2.36.f** To ensure that his employees are instructed with respect to special regulations, policies, and procedures in effect for any State facility or site, and that they comply with such rules.

**2.2.37 FORCE MAJEURE** - All orders shall be filled by the contractor with reasonable promptness, but the contractor shall not be held responsible for any losses resulting if the fulfillment of the terms of the contract shall be delayed or prevented by wars, acts of public enemies, strikes, fires, floods, acts of God, or for any other acts not within the control of the contractor and which by the exercise of reasonable diligence, the contractor is unable to

prevent.

- 2.3** Evaluation of the proposals received will be based on weighted factors. The 20 points allocated for term commitment, for example, would be will be calculated by dividing the shortest term among the proposals by the term of this proposal times 20 points:
- Term commitment of contract (20 points).
  - Vendor quality and integrity (30 points).
    - The quality and experience of vendor, including installation and maintenance personnel, references;
    - The ability of the vendor to provide the appropriate degree of technical information and the ability to meet the system requirements for the Department of Corrections.
  - Technical Features of Proposed System (50points).
    - Functional capabilities of the systems;
    - Availability of additional capabilities; and
    - A recognizable commitment by the Vendor to ongoing enhancement of both feature capability and ongoing maintenance and support services.
- 2.4** Potential offerors are advised to review all sections of this document carefully and to follow instructions completely. Failure to make a complete submission as described in this document (See below) may result in the rejection of the proposal.
- 2.5** Alternative approaches and/or methodologies to accomplish the desired and intended results of this procurement are solicited and will be reviewed. However, proposals which depart from or materially alter the terms, requirements, or scope of work defined in this document will be rejected as being non-responsive.
- 2.6** All costs associated with the development or submission of a response to this document, or the provision of oral or written clarification of its content, is the responsibility of the offeror. The State of Rhode Island and the Department of Corrections assume no responsibility for these costs.
- 2.7** Proposal responses are considered to be irrevocable for a period of not less than sixty (60) days following the opening date, and may not be withdrawn, except with the express

written permission of the State of Rhode Island Purchasing Agent.

- 2.8** All pricing submitted will be considered to be firm and fixed unless otherwise indicated herein.
- 2.9** Any electrical or cable work which require licensed persons will be accomplished by those possessing valid professional licenses. Vendors are advised that under a new law which went into effect January 1, 1995, telecommunications personnel require a Rhode Island state license. For more information, vendors are advised to contact the Rhode Island department of labor. Note that electricians must also be licensed.
- 2.10** All employees of the Vendor who will work within correctional facilities and/or who are responsible for integrity of the system will be subject to a criminal records check and approval by the Department. Vendor will provide workers with badges identifying their employees while working on the campus; copies of this information for all employees associated with the project will be files with the DOC Director of Security. When access to inmate areas is necessary, special ID badges provided by DOC will be issued. Correctional officers will accompany installers into areas deemed appropriate. The Vendor will be provided with other standard security requirements of the Department.
- 2.11** There will be a mandatory pre-proposal meeting to discuss procedural aspects of the project. Vendors will have the opportunity through coordination with RI DOC Director of Security to arrange a group site visit where all vendors will have the opportunity to participate. Site visits, at the discretion of the Director of Security, will be limited to a three day period.
- 2.12** Responses to this Request for Proposals will be submitted in the following order:

**Section 1 - Cover Sheet**

Include Vendor's address, telephone number, fax number, E-mail address (if available) and representative contact.

**Section 2 - Table of Contents**

All pages must be numbered.

**Section 3 - Executive Summary**

Brief summary of the type of system offered.

**Section 4 - Configuration Information**

Vendors will supply all materials and component configuration lists as requested by the appropriate sections in this document.

**Section 5 - Vendor Qualifications**

Refer to Chapter III for specific requirements.

**Section 6 - Technical**

Completed answers to all questions posed in Chapters IV through VII in chapter order using identifying question number. The Vendor will type out the question number and follow it with an answer. The return of a response package with the answers written in is not acceptable. Vendor should also include any exceptions to Chapter II in this section.

**Section 7 - Appendices**

- A: Annual Report
- B: Feature Lists
- C: Sample Traffic Reports
- D: Installation Fact Sheets
- E: Standard Warranty
- F: Standard Maintenance Contract

**Section 8 - Contract and Financial (Under separate cover)**

All affidavits and other forms that the vendor may be required to sign should be included in this section. Any and all sales pricing information, requirements and limitations should be included here.

**2.13 SUBMITTAL DATE:** Proposals must be received in the Division of Purchases, at the address listed below, no later than February 27, 1997 at 2:20 p.m. Proposals misdirected, or not received by the date and time specified will not be considered.



**2.14 SUBMITTAL ADDRESS:** Proposals should be mailed or hand-delivered in sealed envelopes marked:

**“RFP #1752: Telephone System - Department of Corrections”  
“COST PROPOSAL/Contract Term”**

OR

**“RFP #1752 Telephone System - Department of Corrections”  
“TECHNICAL PROPOSAL”**

TO:

DEPARTMENT OF ADMINISTRATION  
DIVISION OF PURCHASES  
ONE CAPITOL HILL  
PROVIDENCE, RI 02908  
ATTENTION: MR. JEROME MOYNIHAN  
ADMINISTRATOR, PURCHASING SYSTEMS

- 2.15** Bidders will provide an original **plus** six (6) COPIES of the Cost Proposal/Contract Term, as referenced in Section 8. Page 19. Respondents are reminded that this component is submitted in a sealed envelope, marked “Cost/Contract Term” and is not evaluated until the technical component has been scored.
- 2.16** Bidders will provide an original **plus** six (6) paper copies of the Technical Proposal Section, as referenced in Sections 1 - 7. Page 18.

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### **III. VENDOR INFORMATION**

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**NOTE: This section must also be answered IN ITS ENTIRETY for Contractors and for proposed Subcontractors.**

- 3.1 List Vendor executive officers, their business addresses and telephone numbers.**
- 3.2 Submit, as an appendix, the Vendor's latest audited annual report. In the event the Vendor is a subsidiary of a larger concern, please submit the subsidiary's annual report (if available).**
- 3.3 Submit a list of customer references, preferably in local and county governments (with names and telephone numbers) having service with the same system of the same approximate line size.**
- 3.4 Please give the address and list the functions served from this office (e.g. sales, customer support, etc.) From which this system will be offered.**
- 3.5 If installation and/or maintenance functions are not found in the office listed in 3.4 above, please give the address of the facility where the system under quotation will be supported. How many technicians, trained in the installation and maintenance of the system under quotation, are employed at this address?**
- 3.6 Who, in the offices listed above, will be responsible for the installation/engineering of the system under quotation? Describe his/her background and technical experience with reference to the system under quotation.**
- 3.7 Who, in the offices listed above, will be responsible for the continued maintenance of the system under quotation? Describe his/her background and technical experience with reference to telecommunications system maintenance with particular attention given to the system under quotation.**
- 3.8 Submit an organizational chart showing all account team members (name, position, address, and telephone number) who will be responsible for the system under quotation. Include all persons responsible for sales, order-processing, service, and on-site and remote maintenance.**

- 3.9** What steps has the Vendor taken, or will guarantee to take, to ensure continued service, revision of technical documents, receipt of software patches, and/or hard/software upgrades in the event of Vendor bankruptcy, closure of the local office and/or discontinuation of this particular line of equipment.

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## **IV. OUTSIDE PLANT SPECIFICATION**

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***NOTE: All items in this section must be acknowledged with all exceptions noted.***

### **4.1 GENERAL SCOPE OF WORK**

**4.1.1** The following items will be supplied by the successful bidder:

- a. All cross connect rings or spools.
- b. All connecting blocks.
- c. All mounting brackets.
- d. All conduit, manholes, pullboxes, penetrations and seals.
- e. All permits and drawings required by the State of Rhode Island.
- f. All MDF terminating gear (as required).
- g. All hangers and mounting hardware.
- h. All tie wraps, bushings and miscellaneous parts.
- I. All installation tools and equipment necessary to complete project.
- j. Special equipment racks, cables, and other equipment as cited.

### **4.2 Conduit System**

- 4.2.1** Contractors will conduct a detailed survey of the route in question paying special attention to the utility lines in and around the street.
- 4.2.2** Contractors will provide detailed drawings showing the conduit route in conjunction with other in-the-street conditions.
- 4.2.3** Contractors are responsible for the trenching and installation of conduit, manholes, and pullboxes as specified below.
- 4.2.4** Contractors are responsible for the encasement of said conduit in cement and the repair of the street, lawn and sidewalks to their original condition.
- 4.2.4** Contractors are responsible for the penetration of the foundation of buildings where specified; waterproofing, sealing and capping the penetration.

### **4.3 Conduit**

- 4.3.1** All conduit will be standard Type B (Lucent Technologies nomenclature), single bore plastic conduit.
- 4.3.2** All conduit will be capped.
- 4.3.3** All conduit will be encased in concrete to a level 3" above top bank of conduit.
- 4.3.4** All conduit will sit on a concrete bed of at least 3" thickness.
- 4.3.5** The concrete encasement will be filled on either side of the conduit in a thickness of not less than 1.0".
- 4.3.6** Average trench depth is three (3) feet unless specified otherwise or caused by other conduit systems in and around the streets.
- 4.3.7** The four (4) 4" conduits, referred to as "four-bay" conduit will be installed in two banks of two pipes each. "Two-bay" conduit will be installed in two pipes, one atop the other. Space between pipes will not be less than 1.0".
- 4.3.8** All conduit will be equipped with pullwire.
- 4.3.9** Fill material will consist of compacted sand and/or granular backfill to the appropriate grade level as specified by the State of Rhode Island Howard Center facility agency.
- 4.3.10** Six-hole fiber-optic duct insertion (also referred to as FODuct) will be installed in the top two of the four-bay conduit and in the top pipe of the two-bay conduit to supply multiple pathways for current and future fiber optics cable installations.

### **4.4 Foundation Penetration and Seal**

- 4.4.1** The vendor will be responsible for penetrating the foundations of all buildings.
- 4.4.2** Penetrations which are below grade will be made water tight with caulking compound and pipe sleeves with wall collars located at the center of the wall and extending 8" all around each conduit.

- 4.4.3** Pipe sleeve wall collars will be 1/8" thick steel welded to the sleeve.

#### **4.5 Copper Cable**

- 4.5.1** All voice grade wire and cable placed in the outside environment shall be solid, twisted pair, and multi-conductor. The copper twisted pairs shall have a mutual capacitance at 1 kHz of 15.7 nF/1,000 feet. The cable shall be resistant to mechanical damage, lightning or damage from wildlife.
- 4.5.2** The underground cable shall have an aluminum steel polyethylene (ASP) sheath and a core of solid copper conductors, dual insulated with foam skin and plastic, surrounded by Flexgel III filling compound. (Lucent Technologies ANMW cable or approved equivalent.).
- 4.5.3** The multi-pair copper cables shall be 24 AWG with pair sizes from 25 to 100 pair as specified.
- 4.5.4** The vendor will measure and confirm the correct length prior to contract award.
- 4.5.5** The outside plant, jelly-filled cable will be transitioned to appropriate inside plant conditions within 18" of foundation penetration on both sides of the route.
- 4.5.6** All pairs will be terminated in approved lightning protection in both sides of the route.
- 4.5.7** The vendor will be responsible for extending the connection of the cable from the lightning protection to the building main distribution frame on both sides of the route.
- 4.5.8** The contractor will be responsible for terminating all cable pairs into wall mounted AT&T type 110AW2-nnn blocks.
- 4.5.9** Cables will be terminated and numbered per industry standards.
- 4.5.10** Cables will be labeled on the cable jackets at both ends of the cable runs indicating near and far end termination points, pair count, and length.
- 4.5.11** Cables will be labeled at all man-holes and pull-boxes showing near and far end termination points and pair counts.

- 4.5.12** All cabling shall be neatly installed without using any other electrical conduits, plumbing, heating or air conditioning structures for support. Cabling shall be routed so that it does not interfere with access to panels, switches, valves or other maintenance systems.
- 4.5.13** Plant cable running within the building structure will be installed off ceiling grids, supported by cable tray, unistrut or pull rings.
- 4.5.14** Already installed cable trays and pull rings may be used where available. Vendor will be responsible for supplying and constructing infrastructure to support cable runs above ceiling levels. Cable tray or Unistrut is required to support all horizontal sections.
- 4.5.15** Vendor will test all wire cabling to 100% accuracy level or replace the wire.
- 4.5.16** Vendor shall follow all Federal, State, and Local Fire and Electrical Codes and OSHA guidelines and perform all work exhibiting a good quality craftsmanship.
- 4.5.17** To the extent possible (given existing building structures and closets) Vendor shall adhere to all industry standards for installation as defined in EIA/TIA 568, 569, 606, and 607.
- 4.5.18** All penetrations within the buildings will be sealed with a smoke and flame stop with a two (2) hour rating (concrete and/or paper are not acceptable) at the end of each week.

#### **4.6 Fiber Optic Cable**

- 4.6.1** Multi-mode fiber optic cable (62.5/125  $\mu$ ) will be run between the buildings as specified below.
- 4.6.2** The vendor will measure and confirm the correct length prior to contract award.
- 4.6.3** Each designated fiber cable run will occupy one of the positions within the designated fiber optics duct installed. (Note, it is preferred that simultaneous cable pulls be routed through a single channel in the FODuct wherever possible.).
- 4.6.4** Fiber cable will be transitioned within 18" of foundation penetration on both sides

from outside plant to inside plant and run within the facilities in orange-colored innerduct.

- 4.6.5** All horizontal running conditions indicated in 4.5 above will be maintained for fiber cable.
- 4.6.6** All fiber strands will be terminated in ceramic ST type connectors.
- 4.6.7** Functional specification of fiber (on the reel) to be as follows:
- Maximum attenuation: @ 850 nm: 3.4 d/B/km  
@ 1300 nm: 1.0 d/B/km
- Minimum bandwidth: @ 850 nm: 200 MHZ/km  
@ 1300 nm: 500 MHZ/km
- 4.6.8** Lucent Technologies' 3DNX-~~nnn~~-HXM, or approved equivalent cable shall be used for outside cable runs.
- 4.6.9** All fiber optic cable shall be installed as per manufacturer recommended installation practices.
- 4.6.10** All fiber optic cable shall be terminated on both ends into fiber optic interconnection units as follows:
- a. Twelve (12) or fewer strands in a location shall be terminated into wall mounted Lucent Technologies' 100A3 LIU, or approved equivalent, using appropriate connector panels, couplings and adapters as required.
  - b. Twenty-four (24) or fewer strands in a location shall be terminated into wall mounted Lucent Technologies' 200A LIU, or approved equivalent, using appropriate connector panels, couplings and adapters as required.
  - c. Forty-eight (48) or fewer strands in a location shall be terminated into wall mounted Lucent Technologies' 400A2 LIU, or approved equivalent, using appropriate connector panels, couplings and adapters as required.
  - d. Forty-nine (49) or more strands in a location shall be terminated into rack or frame mounted Lucent Technologies' LSTIU-~~nnn~~, or approved equivalent, using appropriate connector panels, couplings, adapters, shelves, and cable



management as required.

- e. Vendor shall provide hinged wall mounted racks or free-standing racks as appropriate to the application and space constraints in the area.

- 4.6.11 Cables will be terminated and numbered per industry standards.
- 4.6.12 Cables will be labeled on the cable jackets at both ends of the cable runs indicating near and far end termination points, pair count, and length.
- 4.6.13 Cables will be labeled at all man-holes and pull-boxes showing near and far end termination points and pair counts.
- 4.6.14 The vendor will be responsible for extending the connection of the cable from the point of entry to the building main distribution frames on both sides of the route.

#### **4.7 Manholes and Pullboxes.**

- 4.7.1 The J-4 manhole's outer surface of the floor slab will not be located more than 15' below final surface grade.
- 4.7.2 For manhole and 4X4 pullbox, the outer surface of the roof must have at least 2' of cover.
- 4.7.3 Relative to the distance relationship between the manhole and pullbox and foreign structures:
  - a. relative to power conduit, there must be at least 3" of clearance from the outside surfaces of walls, floor or roof.
  - b. relative to gas, water and oil structures, there must be 12" of clearance.
- 4.7.4 All J-4 manholes and pullboxes will be provided with frame and a cover reading **SYSTEM 2 TELEPHONE**.

#### **4.8 Cable Testing**

- 4.8.1 All testing specified herein is to be documented. Date, time, technician, test set identifier are to be logged. The test log file is one of the deliverables required for acceptance and job completion certification.

- 4.8.2 Twisted pair cables should be tested for opens, shorts, crossed pairs, properly terminated connections, impedance, near & far end cross-talk, and cable lengths.
- 4.8.3 Each strand in fiber optic cables shall be tested for correctness of termination and overall transmission loss using an approved fiber optic transmission loss test instrument (OTDR) or Optical Loss Test Set (OLTS). The system loss measurements shall be provided at 850 and 1310 nanometers for multimode fibers and 1310 and 1550 for single mode fibers, of the completed installation.
- 4.8.4 A certification report shall be provided listing the test results and both the calculated and measured loss for each fiber. The report shall be submitted with the test results called for above.

#### **4.8 Cable Documentation**

- 4.8.1 The successful bidder must establish cable records during the installation. These records will, at a minimum, correlate cable number, route number, building name and number, and cross-wire pairs. A clean, legible copy of these records must be submitted upon project completions. A diskette record using an Excel® or mutually agreed upon format will also be submitted upon project completion.
- 4.8.2 The successful bidder must present three (3) complete sets of as-built drawings following project completion.
- 4.8.3 As-built plans of all drawings are to be provided in both hard and soft copy format. Format to be mutually agreed upon by Vendor and Customer.
- 4.8.4 Testing documentation should include all information necessary to replicate tests at a future date.

#### **4.9 Guarantee**

- 4.9.1 At the completion of all work, the Contractor shall deliver a *Letter of Guarantee* to the customer. This guarantee certifies that the Contractor shall promptly replace or repair any equipment or materials found to be damaged by workmanship or failure due to workmanship that becomes apparent within five (5) years from the date of job completion. This letter shall be included in the documentation.
- 4.9.2 All manufacturer warranties will be documented and provided to customer at completion of the installation.

### 4.10 Conduit System

ITEM	DESCRIPTION	DISTANCE (FT)	ADDITIONAL COMMENTS
1	From west edge of Building A, Administration proceed west northwest to pullbox #1.	10'	Main exit from central switching hub. Four-bay conduit.
2	From pullbox #1 proceed at 90° angle north northeast to manhole j4-1 which sits on or near Howard Avenue.	150'	j4-1 is oriented with main axis parallel to Howard Avenue and three-hole end facing south southeast. Route will cross building driveway. Four-bay conduit.
3	From manhole j4-1 proceed east northeast to pullbox #2.	150'	Route will parallel driveway entrance into Staff Building. Two-bay conduit.
4	From pullbox #2 proceed at 90° angle south southeast to skin of Staff Building.	10'	Entrance into Staff Building. Two-bay conduit.
5	From manhole j4-1 proceed west northwest to pullbox #3.	450'	Route will parallel Howard Avenue. Four-bay conduit.
6	From pullbox #3 proceed at 90° angle east northeast to pullbox #4.	100'	Two-bay conduit.
7	From pullbox #4 proceed at 90° angle south southeast to skin of Marshall's Building.	10'	Entrance into Marshall's Building. Two-bay conduit.
8	From pullbox #3 proceed at 90° angle west southwest to pullbox #5	150'	Two-bay conduit.
9	From pullbox #5 proceed at 90° west northwest to skin of Building 50	10'	Access to steam tunnel to Girl's School (Building 40) Two-bay conduit.
10	From pullbox #3 proceed west northwest to manhole j4-2 which sits in or near the intersection of Howard Avenue and Slate Hill Road	315'	j4-2 is oriented with main axis parallel to Howard Avenue with three-hole end facing west northwest. Route will parallel Howard Avenue. Four-bay conduit.
11	From manhole j4-2 proceed east northeast proceed to manhole j4-3 along Slate Hill Road.	450'	j4-3 is oriented with main axis astride the jog in the rode with three-hole end facing east northeast. Four-bay conduit.
12	From manhole j4-3 proceed east along Slate Hill Road to pullbox #6 near ISC driveway entrance.	350'	Four-bay conduit.
13	From pullbox #6 proceed north to pullbox #7.	300'	Route will parallel driveway to main entrance of ISC. Pullbox #7 is situated near the main entrance. Main entry into ISC cluster. Four-bay conduit.

ITEM	DESCRIPTION	DISTANCE (FT)	ADDITIONAL COMMENTS
14	From pullbox #7 proceed at 90° angle east to skin of ISC building.	75'	Route will probably penetrate circumferential fence area. Four-bay conduit.
15	From pullbox #6 proceed east along Slate Hill Road to manhole j4-4.	280'	j4-4 is oriented with main access parallel to Slate Hill Road with three-hole end on east end. Note that this manhole will probably feed proposed new prison when built. Four-bay conduit.
16	From manhole j4-4 proceed north northeast to pullbox #8 which sits on the far side of the air conditioning units.	350'	Route will parallel ISC building through cordoned area. Provides back door route into BDF for those cable routes that cannot be reached and/or attached to from the Admin area on the other side of the building. Two-bay conduit.
17	From pullbox #8 proceed at 90° angle west into skin of ISC building.	75'	Route proceeds up Zone 3 sally port area. Two-bay conduit.
18	From manhole j4-4 proceed east northeast to manhole j4-5 situated in or near intersection of Slate Hill Road and the HSC Peripheral Road along Slate Hill Road.	285'	j4-5 is oriented parallel to Slate Hill Road with three-hole end facing east northeast. Four-bay conduit.
19	From manhole j4-5 proceed east along HSC Peripheral Road to pullbox #9	450'	Road is curved. Prefer conduit parallel road along outer edge. Note that water table is high. Four-bay conduit.
20	From pullbox #9 proceed north along HSC Peripheral Road to pullbox #10	490'	Road is curved. Prefer conduit parallel road along outer edge. Note that water table is high. Four-bay conduit.
21	From pullbox #10 continue north along HSC Peripheral Road to pullbox #11.	200'	Pullbox #11 is situated at the entrance of the High Security Prison driveway. Note that water table is high. Four-bay conduit.
22	From pullbox #11 proceed 90° west up HSC driveway through sally port to skin of HSC Building near maintenance BDF.	425'	Route should angle slightly to the right (east) of the driveway and parallel to the right of the retaining wall near the building entrance. Two-bay conduit.
23	From pullbox #11 proceed 90° east down the HSC driveway to manhole j4-6 situated on or about Power Road.	136'	j4-5 is oriented with main access parallel to Power Road with three-hole end facing north. Four-bay conduit.

ITEM	DESCRIPTION	DISTANCE (FT)	ADDITIONAL COMMENTS
24	From manhole j4-6 proceed north along Power Road to pullbox #12.	160'	Four-bay conduit.
25	From pullbox #12 proceed at 45° to skin of Building 23, the Sundun Building.	120'	High water table. Two-bay conduit.
26	From manhole j4-1 proceed east southeast down Howard Avenue to pullbox #13.	300'	Pullbox #13 sits at the entrance of the driveway/road access to Building 54. Eventual access for hospital area. Four-bay conduit.
27	From pullbox #13 proceed east southeast down Howard Avenue to manhole j4-7 in or around the intersection of Howard Avenue and West Road.	735'	j4-6 is oriented with the main access parallel to Howard Avenue with the three-hole end facing east southeast situated to permit easy access up and down West Road. Four-bay conduit.
28	From manhole j4-7 proceed east southeast down Howard Avenue to pullbox #14.	285'	Pullbox #14 is adjacent to or in front of Minimum Security Prison entrance. Route should be within 10' of road surface. Four-bay conduit.
29	From pullbox #14 proceed 90° west southwest and penetrate skin of Minimum Security Prison.	50'	Two-bay conduit.
30	From pullbox #14 proceed east southeast down Howard Avenue to pullbox #15.	240'	Pullbox #15 is situated at the entrance of the driveway leading to Building 79. Four-bay conduit.
31	From pullbox #15 proceed west southwest and penetrate the skin of Building 79.	175'	Two-bay conduit.
32	From manhole j4-7 proceed west southwest on West Road to pullbox #16 at the junction of Harrington Road and West Road.	580'	Four-bay conduit.
33	From pullbox #16 proceed west southwest on West Road to pullbox #17 at the junction of Foster Road and West Road.	200'	Four-bay conduit.
34	From pullbox #17 proceed west southwest on West Road to manhole j4-8 at the junction of Wilma Schesler Lane and West Road.	515'	j4-7 main axis is oriented parallel to West Road with three-hole end facing west southwest providing access to both Medium Security and Schesler Lane. Four-bay conduit.
35	From manhole j4-8 proceed 90° west northwest to pullbox #18 which is situated between the two high security fences.	350'	Route will proceed to the east northeast side of the entrance guard house. Four-bay conduit.
36	From pullbox #18 proceed west northwest parallel to entrance sally port and penetrate skin of building.	60'	Four-bay conduit.

ITEM	DESCRIPTION	DISTANCE (FT)	ADDITIONAL COMMENTS
37	From pullbox #18 proceed east northeast between the two fences to pullbox #19.	400'	Pullbox #19 is situated between cellblock A and the Accounting Building.
38	From pullbox #19 proceed 90° west northwest and penetrate skin of Cellblock A.	60'	Two-bay conduit.
39	From pullbox #19 proceed 90° east southeast and penetrate skin of Accounting Building.	100'	Two-bay conduit.
40	From pullbox #19 proceed east northeast between the two fences to pullbox #20.	225'	Pullbox #20 is situated at the northeast corner of the of the prison peripheral fence Two-bay conduit.
41	From pullbox #20 proceed 90° west northwest between the two fences to pullbox #21.	125'	Two-bay conduit.
42	From pullbox #21 proceed 90° west southwest and penetrate skin of Cellblock B.	55'	Two-bay conduit.
43	From pullbox #21 proceed west northwest between the two fences to pullbox #22.	175'	Two-bay conduit.
44	From pullbox #22 proceed 90° west southwest and penetrate skin of Cellblock C.	55'	Two-bay conduit.
45	From pullbox #22 proceed west northwest between the two fences to pullbox #23.	175'	Two-bay conduit.
46	From pullbox #23 proceed 90° west southwest and penetrate skin of Cellblock D.	55'	Two-bay conduit.
47	From pullbox #23 proceed west northwest between the two fences to pullbox #24.	175'	Two-bay conduit.
48	From pullbox #24 proceed 90° west southwest and penetrate skin of Cellblock E.	55'	Two-bay conduit.
49	From pullbox #24 proceed west northwest between the two fences to pullbox #25.	175'	Two-bay conduit.
50	From pullbox #25 proceed 90° west southwest and penetrate skin of Cellblock F.	55'	Two-bay conduit.
51	From manhole j4-8 proceed south southeast down Wilma Schesler Lane to pullbox #26 at the junction of Garvey Road and Wilma Schesler Lane.	550'	Four-bay conduit.
52	From pullbox #26 proceed south southeast down Wilma Schesler Lane to pullbox #27 by entrance to Dix Hall.	150'	Four-bay conduit.
53	From pullbox #27 proceed 90° south southwest and penetrate skin of Dix Hall.	105'	Must cross small stream that parallels road bed. Two-bay conduit.

ITEM	DESCRIPTION	DISTANCE (FT)	ADDITIONAL COMMENTS
54	From pullbox #27 proceed south southeast down Wilma Schesler Lane to pullbox #28 at Pinel Building driveway entrance.	250'	Four-bay conduit.
55	From pullbox #28 proceed 90° south southwest to pullbox #29.	130'	Route parallels parking lot. Must cross small stream. Four-bay conduit.
56	From pullbox #29 proceed 90° south southeast and penetrate skin of Pinel Building.	20'	Four-bay conduit.
57	From pullbox #29 proceed 90° east northeast and penetrate skin of Women's Prison.	100'	Route runs parallel to walkway. Two-bay conduit.
58	From manhole j4-7 proceed east northeast along West Road to pullbox #30 at the entrance of the Varley driveway.	625'	Four-bay conduit.
59	From pullbox #30 proceed east northeast along West Road to pullbox #31 at the intersection of West Road and Fleming Road.	330'	Four-bay conduit.
60	From pullbox #31 proceed east northeast along West Road to manhole j4-9 at the intersection of West Road and Park Hill Road.	150'	j4-8 is situated in or near the intersection with main axis parallel to West Road and three-hole end facing south southwest.
61	From manhole j4-9 proceed 90° north northwest and penetrate skin of Bernadette Building.	105'	Two-bay conduit.
62	From manhole j4-9 proceed north northeast along West Road to pullbox #32 at junction of West Road and Power Road.	525'	Road curves to the left and declines sharply. Four-bay conduit.
63	From pullbox #32 proceed south along Power Road to pullbox #33 at entrance of Building 111.	735'	Two-bay conduit
64	From pullbox #33 proceed 90° east and penetrate skin of Building 111.	40'	Two-bay conduit.
65	From pullbox #33 proceed south along Power Road to pullbox #34 at end of Building 63.	160'	Two-bay conduit.
66	From pullbox #34 proceed 90° west and penetrate skin of Building 78, the garage.	200'	Two-bay conduit.
67	From pullbox #32 proceed 90° east and penetrate skin of Building 144, Central Supply.	125'	Steep decline down embankment. Two-bay conduit.
68	From pullbox #32 proceed north along Power Road to manhole j4-10 at intersection of Power Road and road leading to back fence of Maximum Security.	200'	j4-9 is oriented with main axis parallel to Power Road and three-hole end facing north. Four-bay conduit.
69	From manhole j4-10 proceed north along Power Road to pullbox #35.	215'	Four-bay conduit.

ITEM	DESCRIPTION	DISTANCE (FT)	ADDITIONAL COMMENTS
70	From pullbox #35 proceed north along Power Road to manhole j4-5.	975'	Power Road is bordered by a stone wall on the west side and above ground steam pipes on the east side. Very high water table. Four-bay conduit.
71	From pullbox #35 proceed 90° east and penetrate skin of Building 36.	50'	Two-bay conduit.
72	From manhole j4-10 proceed north northeast along dirt road, through fence to pullbox #36 at the intersection of dirt road and Maximum Security circumference road.	550'	Four-bay conduit.
73	From pullbox #36 proceed north northeast to pullbox #37 situated near the northwest wall corner.	200'	Four-bay conduit.
74	From pullbox #37 proceed east, parallel to the wall to pullbox #38 situated just beyond the northeast wall corner.	425'	Four-bay conduit.
75	From pullbox #38 proceed south southeast paralleling circumference road and penetrate skin of admin section of Maximum Security.	400'	Four-bay conduit.
76	From pullbox #38 proceed 45° north northeast and penetrate skin of Building 29.	150'	Two-bay conduit.
77	From pullbox #13 proceed 90° south southwest down driveway to pullbox #39 which sits at or around the intersection of the driveway and Harrington Road	330'	Four-bay conduit.
78	From pullbox #39 proceed south southwest and penetrate skin of Building 054	45'	Two-bay conduit.
79	From pullbox #39 proceed south southeast along Harrington Road to pullbox #40	100'	Four-bay conduit.
80	From pullbox #40 proceed due south crossing perimeter fences of Medium Security to pullbox #20	400'	Four-bay conduit.
81	From pullbox #7 at the entrance of the Intake Service Center proceed in a northerly direction to pullbox #41 which sits astride the turn in the ISC perimeter road.	335'	Two-bay conduit.
82	From pullbox #41 proceed east down the ISC perimeter road to manhole j4-11 which sits at the intersection of the ISC and High Security perimeter roads.	350'	Two-bay conduit.
83	From manhole j4-11 proceed north northeast along perimeter road to pullbox #42 which is located on next to the light pole on the north perimeter of High Security.	400'	Two-bay conduit.
84	From pullbox #42 proceed east paralleling the HSC perimeter fence to pullbox #43 which is located near the light pole on the east perimeter of High Security. Note that the water table is very high.	500'	Two-bay conduit.



ITEM	DESCRIPTION	DISTANCE (FT)	ADDITIONAL COMMENTS
85	From pullbox #43 proceed at an approximate 45° angle south southwest up the driveway passing up the east entrance of the sally port and penetrating the HSC building near the mechanical room.	300'	Two-bay conduit.
86	From pullbox #12 on Power Road at the Sundlun Building proceed north to pullbox #44 on the south side of the intersection of Power Road and Route 37.	725'	Two-bay conduit.
87	From pullbox #44 cross Route 37 to pullbox #45 on the north side of the intersection of Power Road and Route 37.	65'	Two-bay conduit.
88	From pullbox #45 proceed north on Power Road to pullbox #46 at parking lot near Building 17.	800'	Two-bay conduit.
89	From pullbox #46 proceed east and penetrate Building 17.	125'	Two-bay conduit.
90	From the south side of the Administration Building at the Maximum Security facility proceed south to manhole j4-12 at the intersection of the Max perimeter road and Pontiac Avenue.	550'	Two-bay conduit.
91	From manhole j4-12 proceed south southeast across Pontiac Avenue to pullbox #47 on the southeast side of Pontiac Avenue.	65'	Two-bay conduit.
92	From pullbox #47 proceed east southeast parallel to the steam tunnel on the State's right of way to pullbox #48 adjacent to the electric manhole.	185'	Two-bay conduit.
93	From pullbox #48 proceed east southeast parallel to the steam tunnel on the State's right of way to pullbox #49.	685'	Two-bay conduit.
94	From pullbox #49 proceed east southeast parallel to the steam tunnel on the State's right of way to pullbox #50 near the southwest corner of Medium Security Annex parking area.	650'	Two-bay conduit.
95	From pullbox #50 proceed at a 45° east northeast and penetrate Medium Security Annex near the entrance of the steam tunnel penetration.	250'	Two-bay conduit.
96	From manhole j4-12 proceed west southwest to pullbox #51 to the north side of the entrance to the steam tunnel.	415'	Two-bay conduit.
97	From pullbox #51 proceed south southwest to pullbox #52 adjacent to steam manhole on the east side of the abandoned railroad tracks.	450'	Two-bay conduit.
98	From pullbox #52 proceed south paralleling the abandoned railroad tracks to pullbox #53 opposite the southern end of Building 63.	300'	Two-Bay conduit.
99	From pullbox #53 proceed 90° west southwest, paralleling Pontiac Avenue across the rise to pullbox #54 at the bottom of Power Road opposite the southern end of Building 63.	400'	Tow-bay conduit.
100	From pullbox #54 proceed north northwest up Power Road to pullbox #34.	150'	Two-bay conduit.

### 4.11 Fiber Optics Cable Running List

CABLE NUMBER	DESCRIPTION/COMMENTS	NUMBER OF FIBER STRANDS	LENGTH (FT)
1	Connects Admin A to ISC via Howard Avenue and Slate Hill Road.	192	2,300'
2	Connects Admin A to Minimum Security via Howard Avenue.	48	1,650'
3	Connects Admin A to Medium Security via Howard Avenue and West Road.	192	3,200'
4	Connects Admin A to Maximum Security via Howard Avenue and West Road.	192	4,800'
5	Connects Admin A to Staff Building.	24	360'
6	Connects Admin A to Marshall's Building via Howard Avenue.	12	800'
7	Connects Admin A to Girl's School.	12	???
8	Connects ISC to Maximum Security via Slate Hill and Power Roads.	192	5,500'
9	Connects ISC to High Security via Slate Hill Road.	24	2,750'
10	Connects ISC to Sundlun Building via Slate Hill and Power Roads.	24	2,750'
11	Connects Medium Security to Accounting Building.	24	625'
12	Connects Medium Security to Cell Block A	12	575'
13	Connects Medium Security to Cell Block B	12	950'
14	Connects Medium Security to Cell Block C	12	1,150'
15	Connects Medium Security to Cell Block D	12	1,350'
16	Connects Medium Security to Cell Block E	12	1,550'
17	Connects Medium Security to Cell Block F	12	1,750'
18	Connects Medium Security to Pinel Building via Sches'er Lane.	48	1,675'
19	Connects Pinel Building to Dix Building.	12	450'
20	Connects Pinel Building to Women's Jail.	12	300'
21	Connects Maximum Security to Building 36.	12	2,050'
22	Connects Maximum Security to Central Warehouse.	24	2,100'
23	Connects Maximum Security to Building 111.	12	2,800'
24	Connects Maximum Security to the Medium Security Annex	24	2,625'

### 4.12 Copper Cable Running List

CABLE NUMBER	DESCRIPTION/COMMENTS	NUMBER OF COPPER PAIRS	LENGT H (FT)
1	Connects Admin A to Staff Building.	100 pr	360'
2	Connects Admin A to Marshall's Building.	50 pr	800'
3	Connects ISC Admin Area to rear of facility.	100 pr	1,200'
4	Connects High Security to Sundlun Building.	100 pr	925'
5	Connects Medium Security to Accounting Building.	100 pr	625'
6	Connects Medium Security to Cell Block A.	50 pr	575'
7	Connects Medium Security to Cell Block B.	50 pr	950'
8	Connects Medium Security to Cell Block C.	50 pr	1,150'
9	Connects Medium Security to Cell Block D.	50 pr	1,350'
10	Connects Medium Security to Cell Block E.	50 pr	1,550'
11	Connects Medium Security to Cell Block F.	50 pr	1,750'
12	Connects Pinel Building to the Dix Building.	100 pr	450'
13	Connects Pinel Building to the Women's Jail.	100 pr	300'
14	Connects Central Warehouse to Building 36	50 pr	650'
15	Connects Central Warehouse to Building 111	50 pr	1,000'
16	Connects Central Warehouse to Garage.	50 pr	1,300'

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## **V. INSIDE CABLE SPECIFICATION**

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***NOTE: All items in this section must be acknowledged with all exceptions noted.***

### **5.1 GENERAL SCOPE OF WORK**

- 5.1.1** The following items will be supplied by the successful bidder:
- a. All cross connect rings or spools.
  - b. All connecting blocks.
  - c. All mounting brackets.
  - d. All station cable (Voice and Data as required).
  - e. All communication outlets and terminating modular jack hardware as required.
  - f. All station blocks (as required).
  - g. All hangers and mounting hardware.
  - h. All tie wraps, bushings and miscellaneous parts.
  - i. All installation tools and equipment necessary to complete project.
  - j. All modular jack hardware as required.
  - k. All 19" patch panels, mounting brackets, cable supports, as cited.
  - l. All wireways, raceways, and conduit as required.
- 5.1.2** Vendor will be responsible for assembly of all components including but not limited to: Cable, Face plates, Connectors, 110 blocks, Patch Panels, and Equipment racks.
- 5.1.3** All wiring shall be neatly installed without using any other electrical conduits, plumbing, heating or air conditioning structures for support. Wiring shall be routed so that it does not interfere with access to panels, switches, valves or other maintenance systems.
- 5.1.4** All sleeves and conduits will be constructed so that, after installation of new plant the sleeves, riser conduits, *et cetera* will have 60% spare capacity.
- 5.1.5** All station cable will be installed off ceiling grids, supported by cable tray, unistrut or pull rings.
- 5.1.6** Already installed cable trays and pull rings may be used where available.

- 5.1.7 Vendor will test all twisted wire cabling to 100% accuracy level or replace the wire.
- 5.1.8 Wiring shall be routed to avoid all fluorescent and/or neon light fixtures.
- 5.1.9 Exposed wiring is not acceptable in any space without prior written consent of customer.
- 5.1.10 Vendor shall follow all Federal, State, and Local Fire and Electrical Codes and OSHA guidelines and perform all work exhibiting a good quality craftsmanship.
- 5.1.11 To the extent possible (given existing building structures and closets) Vendor shall adhere to all industry standards for installation as defined in EIA/TIA 568, 569, 606, and 607.
- 5.1.12 All penetrations will be sealed with a smoke and flame stop with a two (2) hour rating (concrete and/or paper are not acceptable) at the end of each week.

## 5.2 COMMUNICATIONS OUTLET SPECIFICATIONS

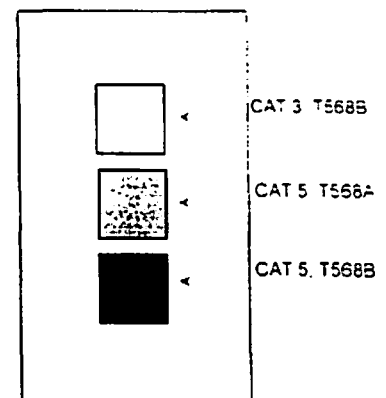
5.2.1 At the station and/or communications outlet end, cables will be connected to Lucent Technologies M1 modular information outlets, or approved equivalent, as detailed below.

5.2.2 At the station and/or communications outlet end, *white* level 3 voice cable will be located in top position.

5.2.3 At the station and/or communications outlet end, *grey* level 5 data cable will be located in the middle position.

5.2.4 At the station and/or communications outlet end, *blue* level 5 data cable will be located in the bottom position.

5.2.5 At the station and/or communications outlet end all jacks will be installed into white single gang faceplate, Lucent Technologies part number M13A-262.



Lucent Technologies  
M13A Face Plate

- 5.2.5** All outlets will be installed into vendor supplied work boxes and positioned to conceal all cable exit holes.
- 5.2.6** All outlets will be clearly marked with labels provided by Vendor as to station and cable number in accordance with customer labeling scheme. All outlets will be marked on the work box using indelible marker as well as on the faceplate. Labeling on the faceplate will be typed.
- 5.2.7** All outlets will contain one (1) voice 4-pair category 3 cable and two (2) data 4-pair category 5 cables unless otherwise specified.
- 5.2.8** Outlets marked as "Wall" or "Inmate" will contain one (1) voice 4-pair category 3 cable terminating into flush wall mount RJ11 jack.

### **5.3 VOICE TWISTED PAIR STATION CABLE**

- 5.3.1** Voice station cable will consist of one (1) unshielded, 4-pair, 24 gauge copper, solid conductor level 3, twisted cable with overall *white* PVC or Plenum-rated jacket as required by local building codes (Lucent Technologies part number 1010/2010 or approved equivalent).
- 5.3.2** At the station and/or communications outlet end, cable will be connected to *white*, Category 3, T568B Lucent Technologies jack, part number M1BH-H-262 (or approved equivalent) which will be placed in the top jack position.
- 5.3.3** Cables will include six (6) feet of additional length, looped and secured above the ceiling at the station outlet end to allow for future room rearrangements.
- 5.3.4** All cable will be labeled with identifying jack number for ease of identification.
- 5.3.5** All cables will be marked clearly and legibly at both ends within 9" of cable termination with indelible marker or other approved method (i.e. P-touch labels).
- 5.3.6** Station locations will be marked on connection blocks at IDF/MDF showing the appropriate first pin for each station cable. All label strips will be typed.
- 5.3.7** At the Voice IDF end:
  - a. Cables will be terminated onto wall mounted category 3 rated 110 blocks (AT&T

part number 110 AW1-300 or approved equivalent).

- b.** Cables must be cut down in numerical order.
- c.** One (1) spare 300 pair cross connect wiring block will be supplied for future growth. Please see section 5.11 for cable running lists.

#### **5.4 DATA TWISTED PAIR STATION CABLE**

- 5.4.1** Data station cabling will consist of one (1) *grey* and one (1) *blue* unshielded, 4-pair, 24 gauge copper, solid conductor level 5 twisted cable with overall PVC or Plenum rated jackets as required by local building codes (Lucent Technologies part number 1061/2061 or approved equivalent).
- 5.4.2** At the station and/or communications outlet end, the *grey* cable will be connected to *grey* Category 5, T568A Lucent Technologies modular jack, part number MPS100BH1-270 (or approved equivalent) and placed in the middle position.
- 5.4.3** At the station and/or communications outlet end, the *blue* cable will be connected to the *blue* Category 5, T568B Lucent Technologies modular jack part number MPS100BH-BIK-318 (or approved equivalent) and placed in the bottom position.
- 5.4.4** Cables will include six (6) feet of additional length. looped and secured above the ceiling at the station outlet end to allow for future room rearrangements.
- 5.4.5** All cable will be labeled with identifying jack number for ease of identification.
- 5.4.6** All cables will be marked clearly and legibly at both ends within 9" of cable termination with indelible marker or other approved method (i.e. P-touch labels).
- 5.4.7** Station locations will be marked on patch panels at Data IDF showing the appropriate jack number.
- 5.4.7** At the Data IDF end:
  - a.** Cables will be terminated into separate patch panels. *Grey* cables with T568A wiring configuration will be terminated into category 5 rated 110 patch panels, Lucent Technologies part number 1100CAT5-*nn*A or approved equivalent. *Blue* cables with T568B wiring configuration will be terminated into category 5 rated

110 patch panes, Lucent Technologies part number 1100CAT5-nn or approved equivalent.

- b. Patch panels will be wall mounted using Vendor supplied hinged brackets.
- c. Cable support bars and management panels will be used as required to ensure quality installation.
- d. Cables must be cut down in numerical order.

**5.4.8** Cables will be terminated as per manufacturer specified color code.

### **5.5 VOICE RISER AND DISTRIBUTION SYSTEM**

- 5.5.1** Voice riser and/or distribution cables will be no smaller than 100-pair (unless specifically excepted), 24 gauge with overall CMR or CMP jackets as required by local building codes. All riser cable will be riser rated.
- 5.5.2** All 100-pair cable will contain four (4) 25-pair binders.
- 5.5.3** All 25-pair cables will be cut down in order of binder color as follows: Blue > Orange > Green > Brown > Slate.
- 5.5.4** Distribution cables will be cut down per industry standard.
- 5.5.5** Color code of each 25-pair binder will be per industry standard.
- 5.5.6** All wiring shall be neatly installed without using any other electrical conduits, plumbing, heating or air conditioning structures for support. Wiring shall be routed so that it does not interfere with access to panels, switches, valves or other maintenance systems.
- 5.5.7** All sleeves and conduits will be constructed so that, after installation of new plant the sleeves, riser conduits, *et cetera* will have 60% spare capacity.

### **5.6 VOICE RISER AND DISTRIBUTION CABLE TERMINATIONS**

- 5.6.1** All distribution and/or riser cable will be terminated in AT&T 110 AW1-300 type



blocks.

- 5.6.2** All termination blocks at the IDF's will be mounted on customer supplied plywood backboards.
- 5.6.3** All termination blocks will be mounted below station distribution cable terminations. Bottom block will be at least 24" above the finished floor.
- 5.6.4** The first block will be a minimum of 6" from the end of the backboard. Adjacent rows will be 2" apart. Minor adjustments in row spacing will be allowed to provide clearance of the mounting studs behind the backboards.
- 5.6.5** Riser distribution cable will include four (4) pair per voice station with a minimum of 30% growth per IDF in multiples of 100 pair cables.
- 5.6.6** At IDF end, Vendor will cross-wire each station pair to each voice riser cable to extend back to BDF or MDF as appropriate. Stations will be cross-wired to riser in sequential order.
- 5.6.7** Vendor will be responsible for supplying and constructing infrastructure to support cable runs above ceiling levels. Cable tray or Unistrut is required to support all horizontal sections for riser cable.

## **5.7 METAL RACEWAYS OR CONDUIT**

- 5.7.1** All exposed cabling will be concealed in metal raceway or conduit. All transitions (bends, tees, *et cetera*) will be done with factory made fittings.
- 5.7.2** Raceway will be of sufficient size to accommodate all wiring. Fill density not to exceed 40%. It is the responsibility of the bidder to determine the sizes needed.
- 5.7.3** All raceway will be attached to the building structure using screws and anchors. At a minimum, attachment will be every four feet.
- 5.7.4** All raceways and wireways shall incorporate the following:
  - a.** Snap fit cover design with cover removal groove accessible from either top or side of raceway/wireway.

- b. A minimum of 2 inch radius control at all bend points (elbows & similar fittings).
  - c. External means of coupling sections and fittings of raceway/wireway together so that no sharp edges or threaded ends of fasteners shall protrude into the raceway/wireway. Interior cross sectional area of the raceway/wireway will not be reduced by couplers.
  - d. Couplers designed to provide "splice appearance cover" to assure complete raceway/wireway closure at joints.
  - e. Bolt through coupler design for maximum strength and assurance against separation at joints and/or fittings.
  - f. Mounting means designed so that attachment of raceway/wireway to the mounting device will not distort the raceway/wireway in a way that will make cover removal difficult.
  - g. Modular termination boxes which mount on raceway and/or cable tray to facilitate termination of all low and high voltage services.
- 5.7.5 Surface metal raceways shall be constructed and installed per Article 352 of the NEC and be listed by UL under section 5.
- 5.7.6 Wireways shall be constructed and installed per Article 362 of the NEC and be listed by UL under section 870.
- 5.7.7 All surface metal raceways and wireways shall be compliant with guidelines published in EIA/TIA 568 and 569.

## **5.8 CABLE TESTING**

- 5.8.1 Twisted pair cables should be tested for opens, shorts, crossed pairs, properly terminated connections, impedance, near & far end cross-talk, and cable lengths.
- 5.8.2 **Category 5 testing:** Each jack in each outlet shall be tested for Category 5, TSB 67 compliance, using an appropriate Level 2 testing instrument, to verify both the integrity of all conductors and correctness of the termination sequence. Testing shall be performed between modular jacks at the outlets and the modular jacks at the termination field(s).

- 5.8.3** All testing specified herein is to be documented. Date, time, technician, test set identifier and for Category 5 level 2 tests, the technician and the witness are to be logged. The test log file is one of the deliverables required for acceptance and job completion certification. The log file will be presented in a 3-ring binder submitted with the as-built drawings. (See below.).
- a. Tests will include 100 MHZ sweep tests, continuity, polarity checks, Near End Cross Talk, and attenuation.
  - b. Installed length for all cables will be noted.
  - c. The table shall indicate all defective pairs and test results of all pairs listed above. Cables not complying with the EIA/TIA 568A Category tests for 100 mbps rating or passing TSB 67 test guidelines, shall be identified to the Project Manager for corrective action which may include replacement at no additional expense to the customer.

## **5.9 CABLE DOCUMENTATION**

- 5.9.1** The successful bidder must establish cable records during the installation. These records will, at a minimum, correlate station location number, IDF, horizontal and/or riser distribution cable number, and cross-wire pairs. A clean, legible copy of these records must be submitted upon project completions. A diskette record using an Excel ® or mutually agreed upon format will also be submitted upon project completion.
- 5.9.2** The successful bidder must present three (3) complete sets of as-built drawings following project completion. These drawings will, at a minimum, show the location and type of all closets, distributing cable runs, and outlets.
- 5.9.3** As-built plans of all drawings are to be provided in both hard and soft copy format. Format to be mutually agreed upon by Vendor and Customer.
- 5.9.4** Testing documentation should include all information necessary to replicate tests at a future date.

## **5.10 GUARANTEE**

- 5.10.1** At the completion of all work, the Contractor shall deliver a *Letter of Guarantee* to the customer. This guarantee certifies that the Contractor shall promptly replace or repair any equipment or materials found to be damaged by workmanship or failure due to

workmanship that becomes apparent within five (5) years from the date of job completion. This letter shall be included in the documentation.

- 5.10.2** All manufacturer warranties will be documented and provided to customer at completion of the installation.

### 5.11 CABLE RUNNING LISTS BY BUILDING

Administration "A" Building							
Floor	Qty Phones		Station Cabling			Description	
	Ad m	In m	Voice Drops	Data Drops	Avg Cable Length	Stations	BDF
Basement	12	0	12	24	100 ft	Station cable run in metal raceway.	Build new Basement BDF
1 <sup>st</sup>	13	0	13	26	125 ft	Station cable run in metal raceway.	Basement BDF
2 <sup>nd</sup>	15	0	15	30	150 ft	Station cable run in metal raceway.	Basement BDF
<b>Totals:</b>	40	0	40	80			

Administration "B" Building							
Floor	Qty Phones		Station Cabling			Description	
	Adm	Inm	Voice Drops	Data Drops	Avg Cable Length	Stations	BDF
Basement	8	0	8	16	100 ft	Station cable run in metal raceway.	Re-use Basement BDF
1 <sup>st</sup>	20	0	20	40	125 ft	Station cable run in metal raceway.	Basement BDF
2 <sup>nd</sup>	21	0	21	42	150 ft	Station cable run in metal raceway.	Basement BDF
<b>Totals:</b>	49	0	49	98			

<b>Intake Service Center</b>							
<b>Floor</b>	<b>Qty Phones</b>		<b>Station Cabling</b>			<b>Description</b>	
	<b>Adm</b>	<b>Inm</b>	<b>Voice Drops</b>	<b>Data Drops</b>	<b>Avg Cable Length</b>	<b>Stations</b>	<b>BDF</b>
<b>Ground - North</b>	71	4	0	0	0 ft	n/a	n/a
<b>1<sup>st</sup> -North</b>	7	16	0	0	0 ft	n/a	n/a
<b>2<sup>nd</sup> -North</b>	9	16	0	0	0 ft	n/a	n/a
<b>3<sup>rd</sup> -North</b>	0	0	0	0	0 ft	n/a	n/a
<b>4<sup>th</sup> -North</b>	3	0	0	0	0 ft	n/a	n/a
<b>Ground Level - South Bldg</b>	0	0	0	0	0 ft	n/a	n/a
<b>1<sup>st</sup> - South Bldg</b>	28	9	0	0	0 ft	n/a	n/a
<b>2nd - South Bldg</b>	18	18	0	0	0 ft	n/a	n/a
<b>Totals:</b>	87	36	0	0			

Note: No inside station cabling required. Need to reconnect to existing cabling; may require running additional copper riser from BDF to IDF's

<b>Pinel Building</b>							
<b>Floor</b>	<b>Qty Phones</b>		<b>Station Cabling</b>			<b>Description</b>	
	<b>Adm</b>	<b>Inm</b>	<b>Voice Drop s</b>	<b>Data Drop s</b>	<b>Avg Cable Length</b>	<b>Stations</b>	<b>BDF</b>
<b>Ground</b>	7	0	7	14	225 ft	Run cables in drop ceiling in corridors to metal raceways/wireways	BDF-1st Flr
<b>1st</b>	30	0	30	60	200 ft	Run cables in drop ceiling in corridors to metal raceways/wireways	Relocate BDF to 1 <sup>st</sup> Floor Utility Closet
<b>2nd</b>	24	0	24	48	225 ft	Run cables in drop ceiling in corridors to metal raceways/wireways	BDF-1st Flr
<b>Totals:</b>	61	0	61	122			

<b>Minimum Security Building</b>							
<b>Floor</b>	<b>Qty Phones</b>		<b>Station Cabling</b>			<b>Description</b>	
	<b>Adm</b>	<b>In m</b>	<b>Voice</b>	<b>Data</b>	<b>Avg Cable Length</b>	<b>Stations</b>	<b>BDF</b>
<b>Bldg A Basement</b>	0	0	0	0	---	---	---
<b>Bldg A-1st</b>	10	0	0	10	200 ft	Pull 2 <sup>nd</sup> Data cable through existing conduits. Re-terminate all cables into single faceplate.	Electrical Room behind Kitchen area.
<b>Bldg B - Basement</b>	4	0	4	8	290 ft	Station cable to be run through metal raceway	Bldg A BDF
<b>Bldg B - 1st</b>	20	20	40	40	310 ft	Station cable to be run through metal raceway	Bldg A BDF
<b>Bldg B - 2nd</b>	2	8	10	4	330 ft	Station cable to be run through metal raceway	Bldg A BDF
<b>Bldg B - 3rd</b>	17	8	25	34	350 ft	Station cable to be run through metal raceway	Bldg A BDF
<b>Bldg C - Basement</b>	0	0	0	0	---	Station cable to be run through metal raceway	Bldg A BDF
<b>Bldg C - 1st</b>	20	20	40	40	310 ft	Station cable to be run through metal raceway	Bldg A BDF
<b>Bldg C - 2nd</b>	5	6	11	12	330 ft	Station cable to be run through metal raceway	Bldg A BDF
<b>Totals:</b>	78	62	130	148			



Medium Security Building							
Floor	Qty Phones		Station Cabling			Description	
	Adm	Inm	Voice	Data	Avg Cable Length	Stations	BDF
Segregation	2	0	0	2	390 ft	Pull additional data cable to each outlet & re-terminate face plate	Existing.
Medical	4	0	0	4	320 ft	See above.	Existing.
Administration	62	0	0	62	150 ft	See above.	Existing.
Warehouse /Maintenance	3	0	0	3	230 ft	See above.	Existing.
Kitchen/Dining	1	0	0	1	280 ft	See above.	Existing.
Education	4	0	0	4	550 ft	See above.	Existing.
Support	4	0	0	4	230 ft	See above.	Existing.
Mechanical	3	0	0	3	230 ft	See above.	Existing.
Gate House	3	0	0	3	250 ft	See above.	Existing.
Mod "A"	5	6	0	5	75 ft <sup>1</sup>	See above.	Existing.
Mod "B"	5	6	0	5	75 ft <sup>2</sup>	See above.	Existing.
Mod "C"	5	6	0	5	75 ft <sup>3</sup>	See above.	Existing.
Mod "D"	5	6	0	5	75 ft <sup>4</sup>	See above.	Existing.
Mod "E"	5	6	0	5	75 ft <sup>5</sup>	See above.	Existing.

<sup>1</sup> Inside cable lengths only.

<sup>2</sup> Inside cable lengths only.

<sup>3</sup> Inside cable lengths only.

<sup>4</sup> Inside cable lengths only.

<sup>5</sup> Inside cable lengths only.

<b>Mod "F"</b>	5	6	0	5	75 ft <sup>6</sup>	See above.	Existing.
<b>Totals:</b>	111	36	0	111			

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<sup>6</sup> Inside cable lengths only.

<b>Maximum Security Building</b>							
<b>Floor</b>	<b>Qty Phones</b>		<b>Station Cabling</b>			<b>Description</b>	
	<b>Adm</b>	<b>Inm</b>	<b>Voice</b>	<b>Data</b>	<b>Avg Cable Length</b>	<b>Stations</b>	<b>BDF</b>
<b>Admin 1<sup>st</sup></b>	1	0	1	2	75 ft	Stations to be run using metal raceway.	BDF to be located in basement of building
<b>Admin 2<sup>nd</sup></b>	15	0	15	30	150 ft	see above	Basement BDF
<b>Admin 3<sup>rd</sup></b>	15	0	15	30	170 ft	see above	Basement BDF
<b>Rotunda 1<sup>st</sup></b>	13	0	13	26	200 ft	Cables run up from basement level.	BDF
<b>Rotunda 2<sup>nd</sup></b>	2	0	2	4	220 ft		BDF
<b>Rotunda 3<sup>rd</sup></b>	1	0	1	2	240 ft		BDF
<b>Prudence 1 [A,B,C]</b>	2	3	5	4	430 ft	Cables run up from basement level.	BDF
<b>Prudence 2 [D,E,F]</b>	2	3	5	4	430 ft	Cables run up from basement level.	BDF
<b>Aquidneck 2 [G,H,I]</b>	2	3	5	4	330 ft	Cables run up from basement level.	BDF
<b>Aquidneck1 [J,K,L]</b>	2	2	4	4	280 ft	Cables run up from basement level.	BDF

<b>Maximum Security Building</b>							
<b>Floor</b>	<b>Qty Phones</b>		<b>Station Cabling</b>			<b>Description</b>	
	<b>Adm</b>	<b>Inm</b>	<b>Voice</b>	<b>Data</b>	<b>Avg Cable Length</b>	<b>Stations</b>	<b>BDF</b>
<b>Hope 1 [M,N,O]</b>	2	3	5	4	280 ft	Cables run up from basement level.	BDF
<b>Hope 2 [P,Q,R]</b>	2	3	5	4	330 ft	Cables run up from basement level.	BDF
<b>Infirmary</b>	13	0	13	26	330 ft	Cables run in conduit from basement of Aquidneck 1. Conduit to be installed.	BDF
<b>Dining/ Kitchen</b>	3	0	3	6	350 ft	Cables run in conduit from basement of Aquidneck 2.	BDF
<b>wer#1</b>	1	0	1	2	500 ft	Cables run up from BDF on outside of building up wall to Tower# 1.	BDF
<b>Tower#2</b>	1	0	1	2	900 ft	Cables run along pipes on wall walkway from Tower#1.	BDF

<b>Maximum Security Building</b>							
<b>Floor</b>	<b>Qty Phones</b>		<b>Station Cabling</b>			<b>Description</b>	
	<b>Adm</b>	<b>Inm</b>	<b>Voice</b>	<b>Data</b>	<b>Avg Cable Length</b>	<b>Stations</b>	<b>BDF</b>
<b>Tower#3</b>	1	0	1	2	950 ft	Cables run up through Prudence to top of wall through pipe to corner.	BDF
<b>Tower#4</b>	2	0	2	4	1225 ft	Cables run up through pipe via Tower#3 and Industries 2 building.	BDF
<b>Tower#5</b>	1	0	1	2	550 ft	Cables run up through Prudence to top of wall through pipe to corner.	BDF
<b>Ed/Rec Bldg</b>	4	0	4	8	950 ft	Cables run up through Prudence to top of wall drop down wall into Ed/Rec building.	BDF
<b>Industry#1</b>	4	0	4	8	1250 ft	Cables run outside of building via Towers #1&2 on top of wall back down to Industry#1	BDF

Maximum Security Building							
Floor	Qty Phones		Station Cabling			Description	
	Adm	Inm	Voice	Data	Avg Cable Length	Stations	BDF
Industry#2	5	0	5	10	1350 ft	Cables run up through Prudence along top of wall via Tower#3 back down to Industry #2	BDF
Parking Lot	1	0	1	2	600 ft	Through outside conduit.	BDF
Canine Control	2	0	2	4	600 ft	Through outside conduit.	BDF
<b>Totals:</b>	97	17	114	194			

High Security Building							
Floor	Qty Phones		Station Cabling			Description	
	Adm	Inm	Voice	Data	Avg Cable Length	Stations	BDF
Ground	2	0	0	2	125 ft	Add one (1) data cable to existing outlets & re-terminate all cables to single faceplate. All stations are fed via conduit.	Relocate BDF to Maintenance Shop; Ground Level

<b>1<sup>st</sup></b>	59	8	67	59	275 ft	Add one (1) data cable to existing outlets & re-terminate all cables to single faceplate. All stations are fed via conduit.	Ground Level Maintenance Shop
<b>Totals:</b>	61	8	67	61			

<b>Women's GM Building</b>							
<b>Floor</b>	<b>Qty Phones</b>		<b>Station Cabling</b>			<b>Description</b>	
	<b>Adm</b>	<b>Inm</b>	<b>Voice</b>	<b>Data</b>	<b>Avg Cable Length</b>	<b>Stations</b>	<b>BDF</b>
<b>Basement</b>	12	0	12	24	200 ft	Run station cables in metal raceway.	Reuse BDF basement level
<b>1st</b>	17	4	21	34	220 ft	Run station cables in metal raceway.	Basement BDF
<b>2nd</b>	13	6	19	26	240 ft	Run station cables in metal raceway.	Basement BDF
<b>Totals:</b>	42	10	52	84			

<b>Women's Dix Building</b>							
<b>Floor</b>	<b>Qty Phones</b>		<b>Station Cabling</b>			<b>Description</b>	
	<b>Adm</b>	<b>Inm</b>	<b>Voice</b>	<b>Data</b>	<b>Avg Cable Length</b>	<b>Stations</b>	<b>BDF</b>
<b>Basement</b>	6	0	6	12	175 ft	Run station cables in metal raceway.	1 <sup>st</sup> floor BDF
<b>1st</b>	12	6	18	20	150 ft	Run station cables in metal raceway.	Relocate BDF to 1 <sup>st</sup> floor center section
<b>2nd</b>	78	5	83	162	175 ft	Run station cables in metal raceway.	1 <sup>st</sup> floor BDF
<b>Totals:</b>	96	11	107	194			



Marshall's Building							
Floor	Qty Phones		Station Cabling			Description	
	Adm	Inm	Voice	Data	Avg Cable Length	Stations	BDF
Basement	0	0	0	0	n/a	Station cable run in metal raceway.	Re-use Basement BDF
1 <sup>st</sup>	3	0	3	6	50 ft	Station cable run in metal raceway.	Basement BDF
2 <sup>nd</sup>	4	0	4	8	65 ft	Station cable run in metal raceway.	Basement BDF
<b>Totals:</b>	7	0	7	14			

Central Warehouse							
Floor	Qty Phones		Station Cabling			Description	
	Adm	Inm	Voice	Data	Avg Cable Length	Stations	BDF
1 <sup>st</sup>	20	0	20	40	150 ft	Station cable run in metal raceway.	Existing BDF.
<b>Totals:</b>	20	0	20	40			

Cold Storehouse							
Floor	Qty Phones		Station Cabling			Description	
	Adm	Inm	Voice	Data	Avg Cable Length	Stations	BDF
1 <sup>st</sup>	10	0	10	20	200 ft	Station cable run in metal raceway.	Basement BDF
<b>Totals:</b>	10	0	10	20			

Central Power							
Floor	Qty Phones		Station Cabling			Description	
	Adm	Inm	Voice	Data	Avg Cable Length	Stations	BDF
1 <sup>st</sup>	5	0	5	10	250 ft	Station cable run in metal raceway.	Re use existing BDF
<b>Totals:</b>	5	0	5	10			

Garage							
Floor	Qty Phones		Station Cabling			Description	
	Adm	Inm	Voice	Data	Avg Cable Length	Stations	BDF
1 <sup>st</sup>	2	0	2	4	50 ft	Station cable run in metal raceway.	Reuse existing BDF
<b>Totals:</b>	2	0	2	4			

<b>Medium Security Annex</b>							
<b>Floor</b>	<b>Qty Phones</b>		<b>Station Cabling</b>			<b>Description</b>	
	<b>Adm</b>	<b>Inm</b>	<b>Voice</b>	<b>Data</b>	<b>Avg Cable Length</b>	<b>Stations</b>	<b>BDF</b>
<b>Basement</b>	10	6	16	20	225 ft	Run station cables in metal raceway.	1 <sup>st</sup> floor BDF
<b>1<sup>st</sup></b>	31	0	31	62	200 ft	Run station cables in metal raceway.	Relocate BDF to 1 <sup>st</sup> floor center section
<b>2<sup>nd</sup></b>	10	6	16	20	225 ft	Run station cables in metal raceway.	1 <sup>st</sup> floor BDF
<b>3<sup>rd</sup></b>	10	6	16	20	250 ft	Run station cables in metal raceway.	1 <sup>st</sup> floor BDF
<b>Totals:</b>	61	18	79	122			

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## VI. SPECIFIC SYSTEM SPECIFICATION

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### 6.1 SYSTEM CONFIGURATION SCHEMATIC

6.1.1 The following abbreviations have been used to signify specific configurations:

a. AAC - At Actual Cut over

The system will have this configuration at cut over. Note, the vendor, at his/her discretion, and with permission of RI DOC, may increase the number of prisoner telephones, with concomitant increases in infrastructure (inside plant and analog system ports) as required.

b. EQPT - Equipped

The system should come equipped with sufficient line cards, trunk cards, shelves, etc. to allow the switch to expand to this capacity on short notice. System software should be programmed for this capacity at the time of installation. The bid should not include instruments in addition to what is required at actual cut over.

c. MAX - Maximum

The customer is assuming a ten year life span for this system. Thus while the quoted system price should not include the component parts to support the system at the maximum size indicated, the switch must be able to grow to this size. Note, overall system size to support all Howard Center agencies is in the vicinity of 10,000+ stations. Vendors are urged to plan overall system capacity accordingly.

### 6.2 COMPONENT LISTS

6.2.1 The Vendor will supply a list of components with quantities and part numbers that comprise the quoted systems by system and/or remote module, if applicable. This will be inserted in Section 4.

### 6.3 SYSTEM CONFIGURATION

#### 6.3.1 Station and trunk specification:

ADMINISTRATION A - MAIN HUB			
ITEM DESCRIPTION	AAC	EQPT	MAX
Analog Ports	---	418	500
Analog Featurephone	0	---	---
Analog 2500 Desk Set	0	---	---
Analog 2500 Wall Set	6	---	---
Prisoner Telephones	0	---	---
Power Failure Transfer Stations	25	---	---
Modems/Fax Ports	32	---	---
Voice Mail Ports	46	---	---
Off-premise Extensions	100	---	---
Digital Ports	---	240	---
10-BTN Display Set	80	---	---
20-BTN Display Set	20	---	---
20-BTN Display w/SPKERPHN	20	---	---
ATTENDANT			
Console w/Headset	1	1	1
NETWORK			
ISDN PRI	2	4	10
Analog	25	25	50
E&M Tie Lines	24	24	---
MISCELLANEOUS			
Customer Admin Terminal	yes		
Printer	yes		
SMDR Port	yes		
System Redundancy	yes		
System UPS	4 hrs		

INTAKE SERVICE CENTER REMOTE MODULE			
ITEM DESCRIPTION	AAC	EQPT	MAX
Analog Ports	---	200	500
Analog Featurephone	20	---	---
Analog 2500 Desk Set	6	---	---
Analog 2500 Wall Set	6	---	---
Prisoner Telephones	50	---	---
Modems/Fax Ports	32	---	---
Voice Mail Ports	0	---	---
Off-premise Extensions	0	---	---
Digital Ports	---	320	---
10-BTN Display Set	120	---	---
20-BTN Display Set	20	---	---
20-BTN Display w/SPKERPHN	20	---	---
NETWORK			
Analog	25	25	50
MISCELLANEOUS			
System UPS	0.5 hrs		

HIGH SECURITY REMOTE MODULE			
ITEM DESCRIPTION	AAC	EQPT	MAX
Analog Ports	---	192	500
Analog Featurephone	0	---	---
Analog 2500 Desk Set	6	---	---
Analog 2500 Wall Set	16	---	---
Prisoner Telephones	16	---	---
Modems/Fax Ports	16	---	---
Power Failure Transfer Ports	10	---	---
Off-premise Extensions	0	---	---
Digital Ports	---	152	---
10-BTN Display Set	48	---	---
20-BTN Display Set	16	---	---
20-BTN Display w SPKERPHN	12	---	---
NETWORK			
Analog	10	10	---
MISCELLANEOUS			
System UPS	0.5 hrs		

<b>MEDIUM SECURITY REMOTE MODULE</b>			
<b>ITEM DESCRIPTION</b>	<b>AAC</b>	<b>EQPT</b>	<b>MAX</b>
Analog Ports	---	168	500
Analog Featurephone	0	---	---
Analog 2500 Desk Set	6	---	---
Analog 2500 Wall Set	16	---	---
Prisoner Telephones	36	---	---
Modems/Fax Ports	16	---	---
Power Failure Transfer Ports	10	---	---
Off-premise Extensions	0	---	---
Digital Ports	---	248	---
10-BTN Display Set	72	---	---
20-BTN Display Set	36	---	---
20-BTN Display w/SPKERPHN	16	---	---
<b>NETWORK</b>			
Analog	10	10	---
<b>MISCELLANEOUS</b>			
System UPS	0.5 hrs		

<b>MINIMUM SECURITY REMOTE MODULE</b>			
<b>ITEM DESCRIPTION</b>	<b>AAC</b>	<b>EQPT</b>	<b>MAX</b>
Analog Ports	---	192	500
Analog Featurephone	0	---	---
Analog 2500 Desk Set	6	---	---
Analog 2500 Wall Set	16	---	---
Prisoner Telephones	62	---	---
Modems Fax Ports	16	---	---
Power Failure Transfer Ports	1	---	---
Off-premise Extensions	0	---	---
Digital Ports	---	224	---
10-BTN Display Set	64	---	---
20-BTN Display Set	32	---	---
20-BTN Display w SPKERPHN	16	---	---
<b>NETWORK</b>			
Analog	10	10	---
<b>MISCELLANEOUS</b>			
System UPS	0.5 hrs		

<b>PINEL BUILDING REMOTE MODULE</b>			
<b>ITEM DESCRIPTION</b>	<b>AAC</b>	<b>EQPT</b>	<b>MAX</b>
Analog Ports	---	192	500
Analog Featurephone	0	---	---
Analog 2500 Desk Set	6	---	---
Analog 2500 Wall Set	16	---	---
Prisoner Telephones	48	---	---
Modems/Fax Ports	16	---	---
Power Failure Transfer Ports	10	---	---
Off-premise Extensions	0	---	---
Digital Ports	---	248	---
10-BTN Display Set	72	---	---
20-BTN Display Set	36	---	---
20-BTN Display w/SPKERPHN	16	---	---
<b>NETWORK</b>			
Analog	10	10	---
<b>MISCELLANEOUS</b>			
System UPS	4.0 hrs		

<b>MAXIMUM SECURITY REMOTE MODULE</b>			
<b>ITEM DESCRIPTION</b>	<b>AAC</b>	<b>EQPT</b>	<b>MAX</b>
Analog Ports	---	168	500
Analog Featurephone	0	---	---
Analog 2500 Desk Set	6	---	---
Analog 2500 Wall Set	16	---	---
Prisoner Telephones	36	---	---
Modems/Fax Ports	16	---	---
Power Failure Transfer Ports	10	---	---
Off-premise Extensions	0	---	---
Digital Ports	---	216	---
10-BTN Display Set	72	---	---
20-BTN Display Set	36	---	---
20-BTN Display w/SPKERPHN	12	---	---
<b>NETWORK</b>			
Analog	10	10	---
<b>MISCELLANEOUS</b>			
System UPS	0.5 hrs		



CENTRAL WAREHOUSE REMOTE MODULE			
ITEM DESCRIPTION	AAC	EQPT	MAX
Analog Ports	—	96	500
Analog Featurephone	0	---	---
Analog 2500 Desk Set	6	---	---
Analog 2500 Wall Set	16	---	---
Prisoner Telephones	0	---	---
Modems/Fax Ports	16	---	---
Power Failure Transfer Ports	10	---	---
Off-premise Extensions	0	---	---
Digital Ports	---	84	---
10-BTN Display Set	24	---	---
20-BTN Display Set	12	---	---
20-BTN Display w/SPKERPHN	6	---	---
<b>NETWORK</b>			
Analog	10	10	---
<b>MISCELLANEOUS</b>			
System UPS	0.5 hrs		

MEDIUM SECURITY ANNEX REMOTE MODULE			
ITEM DESCRIPTION	AAC	EQPT	MAX
Analog Ports	---	112	500
Analog Featurephone	0	---	---
Analog 2500 Desk Set	6	---	---
Analog 2500 Wall Set	16	---	---
Prisoner Telephones	25	---	---
Modems/Fax Ports	16	---	---
Power Failure Transfer Ports	10	---	---
Off-premise Extensions	0	---	---
Digital Ports	---	112	---
10-BTN Display Set	40	---	---
20-BTN Display Set	12	---	---
20-BTN Display w/SPKERPHN	6	---	---
<b>NETWORK</b>			
Analog	.0	10	---
<b>MISCELLANEOUS</b>			
System UPS	0.5 hrs		

6.3.4 Station features

6.3.4.1 The following are required station features:

**REQUIRED STATION FEATURES**

Automatic call-back calling (on-hook)
Call conference
Call forward (busy, variable, no answer)
Call hold
Call park
Call pick-up
Call transfer
Call waiting
Consultation hold
Custom intercom (multi-line sets)
Do not disturb
Executive barge-in
Last number dialed
Personal C O line (multi-line sets)
Privacy (multi-line sets)
Ring differentiation (internal, external, exec)
Speed call
Touch dialing
Trunk verification

#### **6.4 Call Accounting Requirement**

- 6.4.1** The vendor may assume a call record quantity of 250,000 calls per month.
- 6.4.2** The Remote Storage Unit (if applicable), should be configured to hold the maximum amount of call records.
- 6.4.3** Reporting capabilities must include the following:
- a. Station Detail & Summary.
  - b. Multi-Level Summaries.  
(How many levels?)
  - c. Exception Reports.
    - Call Cost
    - Call Length
    - Time of Day
    - Frequently Dialed Number
    - Specified Number
  - d. Trunk & Trunk Group Utilization.
  - e. Area Code & Exchange Summaries by Network Facility.
  - f. Print Directory.
  - g. Credit & 3rd Party Information Integration & Billing.
  - h. General ledger output (2 formats).
- 6.4.4** The vendor will list the components, their quantities and distribution on a per site basis.
- 6.4.5** The vendor is expected to train two (2) system administrators on the use of this system.
- 6.4.6** The vendor will include Cable Management, Inventory Management, Work Order Management and Trouble Log software as part of the system.

## 6.5. VOICE MAIL CONFIGURATION

6.5.1 Listed below are the parameters to be used in configuring the voice mail system. System will be fully integrated with the PBX.

<u>ITEM</u>	<u>AAC</u>
Minimum Ports (voice mail)	48
Minimum Hours of Storage	100
Customer Administration Terminal	1
Printer port (serial)	1

### 6.5.2 System Features

The following features will be included in the system pricing:

#### Message Waiting Notification

- Lamp for extension users
- Stutter Dial Tone for Off-Premise Stations
- OutCall to pager/external number
- Notification varied by time of day
- Status of Called party (busy/no answer)

#### Coverage based on the type of call:

- Internal vs. External
- Trunk Group
- Time of Day/Day of Week/Holiday

Queuing - hold calls in queue while extension is in use from Auto Attendant

Call Blocking by Trunk Group - restrict access from specific trunk groups

Dial by Name

Question and Answer Mailbox (prompted)

Nested Menus with single digit entries

Mailbox Identification by Name

Personal Greeting

Return to Operator

Name and Extension Header for Internal Messages  
Transfer to Designated Extension for Coverage  
DTMF Integration

**Messaging:**

Group Addressing  
Distribution Lists - personal  
Distribution Lists - group  
Distribution Lists - system  
Message Reply  
Message Forwarding  
Variable Length of Messages by Class of Service  
Private Message  
Future Delivery  
Immediate Call Back from Voice Mail  
Receipt Verification  
Override of Prompts

**MIS Reporting:**

System Performance  
Network Traffic Report  
User Message Statistics  
User Calling Statistics  
Disk Usage Report  
Port Statistics  
Mailbox Usage Summary  
User Status Detail

**Redundancy**

System Operating Software  
Names & Greetings

**Custom Reporting**

Print Directory  
Print Distribution Lists  
Bill back by Mailbox/Department  
Historical Statistics (Day/Week/Month/Year)

### **6.6 Inmate Coinless Pay Phone System**

- 6.6.1 Vendor will provide inmate coinless pay phone capability that fully integrates with the prospective telephone system installation..
- 6.6.2 This capability will permit the inmate to call only those telephone numbers that were registered by the inmate at the time of intake. These lists of numbers will be easy to update by the designated DOC personnel.
- 6.6.3 The capability will allow for each prisoner to be assigned a personnel identification number (PIN) of up to twelve (12) digits.
- 6.6.4 DOC personnel will have the ability by PIN number to restrict and alter the following prisoner call variables:
- ⌘ Length of calls placed by time of day and destination.
  - ⌘ Number of calls placed by inmate per day and/or hour.
- Any call duration limit imposed will be announced to the user when time is about to expire.
- 6.6.5 Insertion of an automatic announcement on each prisoner call identifying the call as originating from "the State of Rhode Island Adult Correctional Institution, Cranston, Rhode Island."
- 6.6.6 The capability should be able either through its own resources or in conjunction with the administrative telephone system be able to restrict access to "411", "911", "900" and other general access numbers.
- 6.6.7 On-line help in multiple languages will be available to the calling prisoner.
- 6.6.8 Call detail information, by PIN, should be output through the standard SMDR-call accounting system that will be installed with the complex telephone system.
- 6.6.9 System will prevent prisoner three-way conference calling.

## **6.7 Call Logging/Monitoring System**

- 6.7.1 A call logging/monitoring system will be installed that will allow the recording of calls "flagged" by the prisoner security system. Note that the recording of such telephone calls shall not violate constitutional rights and will only occur when breaches of established security occur.
- 6.7.2 FCC authorized tone bursts will alert the caller that the taping processes has begun.
- 6.7.3 The call logging/monitoring system will record any other features provided within the inmate security system such as off hook alarms which will be dated and time stamped, security locks, fire, water, heat and smoke detection, which will appear on DOC Control centers.
- 6.7.4 Voice pages, within security sections, may also be taped on this multi-channel system.
- 6.7.5 The vendor will supply the complete system, covering all control centers, wired and tested with one month of storage media which can be erased and re-used.
- 6.7.6 The system shall contain a dubbing (duplication) machine so that copies of tapes can be made if needed.
- 6.7.7 The equipment will be provided with its own 6.0 hour UPS capability.
- 6.7.8 The system will support a minimum of four position real-time monitoring and infrastructure.

## **6.8 Maintenance**

- 6.8.1 The vendor will be responsible for maintaining all systems for the life of the contract.
- 6.8.2 All maintenance warranties and/or contracts must include a 24-hour immediate response to emergency calls.
- 6.8.3 The customer defines acceptable "immediate response" as a maximum of 2 hours after the call is made and logged in.
- 6.8.4 The vendor will be penalized for tardiness in delivery of emergency maintenance.
- 6.8.5 The definition of situations that fall under "emergency" will be subject to negotiation.
- 6.8.6 All other maintenance calls will be expected to be cleared in twenty-four hours or less.

- 6.8.7 All maintenance warranties/contracts will include regularly scheduled monthly back-ups. Copies of back-up tapes to be maintained on-site and off-site at Vendor offices.
- 6.8.8 The vendor will supply an on-site crash kit at the vendor's expense. Please detail the equipment that comprises the crash kit.
- 6.8.9 All systems software will always be kept within one revision of the latest release.

### 6.9 Training

- 6.9.1 Training of users, operator, in-house technicians and management will be the responsibility of the Vendor. Training will be done on five levels, including:
  - a. Station User Training providing training on the use of the telephones and features at the user level, including user training manuals. Training will be *live*, will consist of classes of no more than fifteen (15) people in size. Assume training periods will cover all three shifts.
  - b. Administration Training providing training in the use of the customer administration performing software MAC's, information retrieval, report generation. etc.
  - c. Technician training providing instruction to allow RI DOC technicians to add/delete circuit cards, shelves et cetera to the system.
  - d. End user refresher training after cut over for RI DOC personnel. A minimum of twenty (20) classes containing fifteen (15) people per class six months after the final installation.
  - e. Disaster recovery/assessment training and review for client staff.
  - f. Vendor will supply appropriate video tape and other training materials.



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## VII. PRICING ISSUES

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- 7.1 The vendor will cover all monthly expenses for network dial-tone and maintenance services for the length of the contract.
- 7.2 The contract length will not exceed seven (7) years, however, the vendor has the opportunity to offer a contract of fewer years if he/she so desires.
- 7.3 Upon the expiration of the contract, all ownerships rights to the equipment and infrastructure installed under this contract will be purchased by the Rhode Island Department of Corrections for the sum of \$1.
- 7.4 All prisoner calling arrangements for the length of the contract will be managed and charged by the vendor and/or vendor selected carrier. The Rhode Island Department of Corrections reserves the right to seek alternative long distance carrier arrangements for its own calling.
- 7.5 The vendor will pay the sum of \$117,500 per quarter to the state of Rhode Island. Payment will be in the form of a certified check, payable to the *Rhode Island Department of Corrections* and sent to:

Rhode Island Department of Corrections  
Central Business Office  
39 Howard Avenue  
Cranston, RI 02920

Any delay in payment beyond forty-five days will be cause for immediate contract termination.

- 7.6 The vendor will allow the attachment of other state agencies residing in the Howard Center to the existing telephone and conduit systems at the agencies' expense.
- 7.7 Vendors will be responsible for their own equipment until such time as accepted by the State of Rhode Island. As such, a vendor may request permission to store its own *materials supply trailer* at a place to be agreed upon between the State and the winning vendor. Electricity and space for the trailer and a small space for the project manager will be provided during the project for this activity at no cost to the vendor.

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**APPENDIX A  
DEFINITION AND SPECIFICATION OF SYSTEM FEATURES**

---

**AUTOMATIC ROUTE SELECTION** provides for the automatic routing of outgoing calls over alternate facilities to achieve more efficient use of telecommunications facilities and to minimize long distance costs.

ARS for this system must have the following features:

- a. Ten digit screening
- b. Internal-only restriction
- c. Restriction from outside operator
- d. Allow 0+ calling but restrict from 011
- e. Restriction from local and/or long distance Directory Assistance
- f. Automatic access to other Common Carriers using the 10XXX equal access scheme
- g. Automatic Alternate Routing
- h. Time-of-Day routing
- i. Partitioning of access to local calling facilities for Shared Tenant Services.
- j. 50 + call routing patterns

**CALL INTERCEPT TO ATTENDANT** provides attendant assistance when a call cannot complete or when use of a feature is denied. When an intercepted call is routed to the attendant the display should provide this information to the console.

**CUSTOMER ADMINISTRATION EQUIPMENT** provides access to the PBX allowing the customer to administer their own software changes to the telephone system. Remote access and printing for regular and on-demand reports via customer provided terminal:printer must be available.

Customer should, at a minimum, be able to access and change the following:

- a. Station Information including:
  - Class of service/Class of restriction
  - All Feature Assignments
  - Equipment locations
  - Directory Number
  - Rearrangements
- b. Automatic Route Selection Parameters including:
  - Routing patterns
  - Trunk group assignments
- c. Trunk Information including:
  - Restriction Groups
  - Group Assignments

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**APPENDIX A  
DEFINITION AND SPECIFICATION OF SYSTEM FEATURES**

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- d. UCD/DDC parameters including:
  - Class of Service/Class of Restriction
  - Announcement recording parameters
  - Trunk Assignments
  - Hunting Patterns
  - Member Extensions
- e. DataBase Updates, Searches, and Information Retrieval
  - Extension software parameters
  - Station equipment information
  - Common equipment location/assignments
  - Selective Search/Retrieval of information by variable field
- f. Station Message Detail Recording
  - Trunk & Trunk Group Assignment
- g. Report Generation - Timing Parameters

**DIRECT DEPARTMENT CALLING** allows an incoming call from the exchange network to reach as specific station line or group of lines without attendant assistance.

**DIRECT INWARD DIALING** allows an incoming call from the exchange network to reach a specific station line without attendant assistance.

**DIRECT OUTWARD DIALING** allows station users to access the public network without attendant assistance.

**HOT LINE** provides the capability of programming stations to automatically dial pre-assigned numbers (extensions or external numbers) when off hook.

**LINE LOCKOUT** removes from service extensions that have gone off hook but have not dialed or completed dialing within a pre-determined time frame thereby freeing switching facilities for other calls. Replacing the handset automatically restores service.

**MULTIPLE CLASS OF SERVICE** designates the type of calls or features that a line or trunk group is permitted. PBX under quotation must be able to accommodate, at a minimum, 32 different classes of service.

**OFF PREMISES STATION** allows an extension station to be located away from the main PBX location.

**OVERHEAD PAGE ACCESS** allows the attendant direct access and station users dial access to paging equipment for the purpose of voice paging. System should be capable of providing zoned paging. Access to paging must be Class of Service restricted.

**REMOTE ACCESS** allows an outside caller to access the system network via a central office trunk. Access

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**APPENDIX A  
DEFINITION AND SPECIFICATION OF SYSTEM FEATURES**

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must be password code protected.

**SPEED CALL** provides users with the capability of dialing a 2 -or 3-digit code to reach frequently called PBX stations or outside telephone numbers including international direct distance (IDDD). System must be capable of storing 200 16-digit numbers. Individual lists can be changed by the station line to which that list is assigned. Group lists are changeable via a designated station line within each group. Individual or group lists can also be change by the Customer Administration Equipment.

**STATION MESSAGE DETAIL RECORDING** provides a record of the PBX station (or attendant) identity for outgoing and incoming call records. The system should be able to provide the following information at a minimum:

- a. Start time
- b. Duration in minutes and seconds
- c. Originating extension
- d. Called number
- e. Trunk group routed to
- f. Trunk number used
- g. Day of year
- h. Optional account code
- i. Originating trunk group, if remote
- j. Radio Page number dialed

**TANDEM SWITCHING** allows calls made via tie line connections to access PBX network trunk and extensions.

**THROUGH DIALING** allows an attendant to extend an outgoing trunk to an extension for access to the public network.

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**APPENDIX A  
DEFINITION OF REQUIRED CONSOLE FEATURES**

---

**AUTO-MANUAL SPLITTING** allows an attendant to privately identify the calling party to the called station user.

**BUSY VERIFICATION** allows the attendant to confirm that a line or trunk is actually in use by establishing a "talking" connection to an apparently busy line.

**CALL IDENTIFICATION (DISPLAY)** provides the attendant with a visual indication of the calling trunk or station.

**CONFERENCE (6 PARTY)** allows an attendant to set up a conference for up to six conferees from inside and outside the system.

**CONSOLE BARGE-IN** allows the attendant the ability to override existing telephone conversations in cases of emergency.

**CONSOLE MEET-ME (CALL PARK)** allows the paged party to be connected to the paging party by dialing an answering code from any station within the PBX.

**CONSOLE TO STATION CAMP-ON** allows the attendant to transfer to a busy extension by "camping-on" to that line. The call is connected when the extension becomes free.

**DIRECT TRUNK GROUP SELECTION** allows the attendant to directly access an idle trunk in a given trunk group by depressing the key associated with the desired trunk group.

**HEADSET/HANDSET OPERATION** allows the console to be equipped with either a handset or a headset at the attendant's discretion.

**INTERPOSITIONAL CALLING & TRANSFER** allows console attendants to transfer calls between each other and to consult with one another by using attendant directory numbers.

**NIGHT ANSWER (FLEXIBLE)** provides arrangement to route calls normally directed to the attendant to preselected station lines within the PBX system when the regular attendant positions are set to night services. In addition, calls to specific exchange trunks can be arranged to route to specific station lines. The routings can be assigned on a flexible basis by the attendant and remain in effect until changed. Trunk Answer from Any Station capability is provided for calls which are not handled by assigned night stations.

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**APPENDIX A  
DEFINITION OF REQUIRED CONSOLE FEATURES**

---

**RECALL** provides station users the ability to recall the attendant for assistance with a call.

**RELEASE LOOP CAPABILITY** automatically releases calls from the attendant position as soon as it is answered by the called station.

**UNATTENDED CONSOLE OPERATION** redirects calls for the attendant to designated extension numbers whenever the console is unattended.

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**APPENDIX A  
STATION FEATURES**

---

**AUTOMATIC CALL BACK (ON-HOOK)** allows the user when attempting to reach an internal extension that is busy to be called back as soon as the called party ends the current call.

**CALL CONFERENCE (3-PARTY)** provides users with the ability to establish calls between themselves and two other parties, either inside or out of the PBX without attendant assistance.

**CALL FORWARD (BUSY)** provides station users with the capability of forwarding their calls to a secondary answering position should they be involved in an existing conversation.

**CALL FORWARD (NO ANSWER)** provides station users with the capability of forwarding their calls to a secondary answering position if call directed to their extensions are not answered within a predetermined number of rings.

**CALL FORWARD (VARIABLE)** provides station users with the capability of forwarding all calls to a different extension within the telephone system for call coverage.

**CALL HOLD** provides single line station users with the ability to place a call on hold via dial access code thus freeing the same line to originate another call or activate a feature.

**CALL HUNT** allows calls to route to another station in a sequentially ordered group when the station dialed is busy. The search for an idle extension can be circular or linear.

**CALL PARK** allows users to place calls on hold in the telephone system and to retrieve that call from any station by dialing an access code.

**CALL PICK-UP** gives users a means of call coverage by accessing calls directed to other extensions either within a predetermined call pick-up group or directed to the specific extension number that is ringing.

**CALL TRANSFER** allows users to transfer within a PBX (and potentially between PBX's) to other extensions without attendant involvement.

**CALL WAITING** allows a call to a busy station line to be held waiting while a tone is directed to the busy station user.

**CUSTOM INTERCOM** allows use of a secondary calling path between two stations (i.e. boss-secretary) for more direct access between these users.

**EXECUTIVE BARGE IN** allows a user with a specific class of service to override a call on another extension and break into the conversation.

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**APPENDIX A  
STATION FEATURES**

---

**LAST NUMBER DIALED** automatically redials the last number dialed whenever the feature is activated.

**ON-HOOK QUEUING** provides a means for stations to dial a busy outgoing trunk group, be automatically placed in a queue and then signaled when a trunk in the group is available.

**PERSONAL C.O. LINE** provides direct access to dedicated CO trunks by establishing a direct connection to the public network.

**PRIVACY** prevents other station users with the same extension number from bridging onto a line in use unless the privacy release feature is activated.

**RING DIFFERENTIATION (INTERNAL, EXTERNAL, EXECUTIVE)** provides for the user's telephone to ring differently depending upon where the call originated.

**SPEED CALL** provides station users with abbreviated dialing of frequently dialed numbers to expedite call processing. Individual lists are changeable via the station line to which the list is assigned.

**TOUCH DIALING** allows dialing via depressing buttons on a dial pad as opposed to rotary dialing.

**TRUNK VERIFICATION** allows designated stations to test the operation of individual trunks and to remove defective trunks from service.



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**APPENDIX B  
OUTSIDE PLANT SCHEMATICS**

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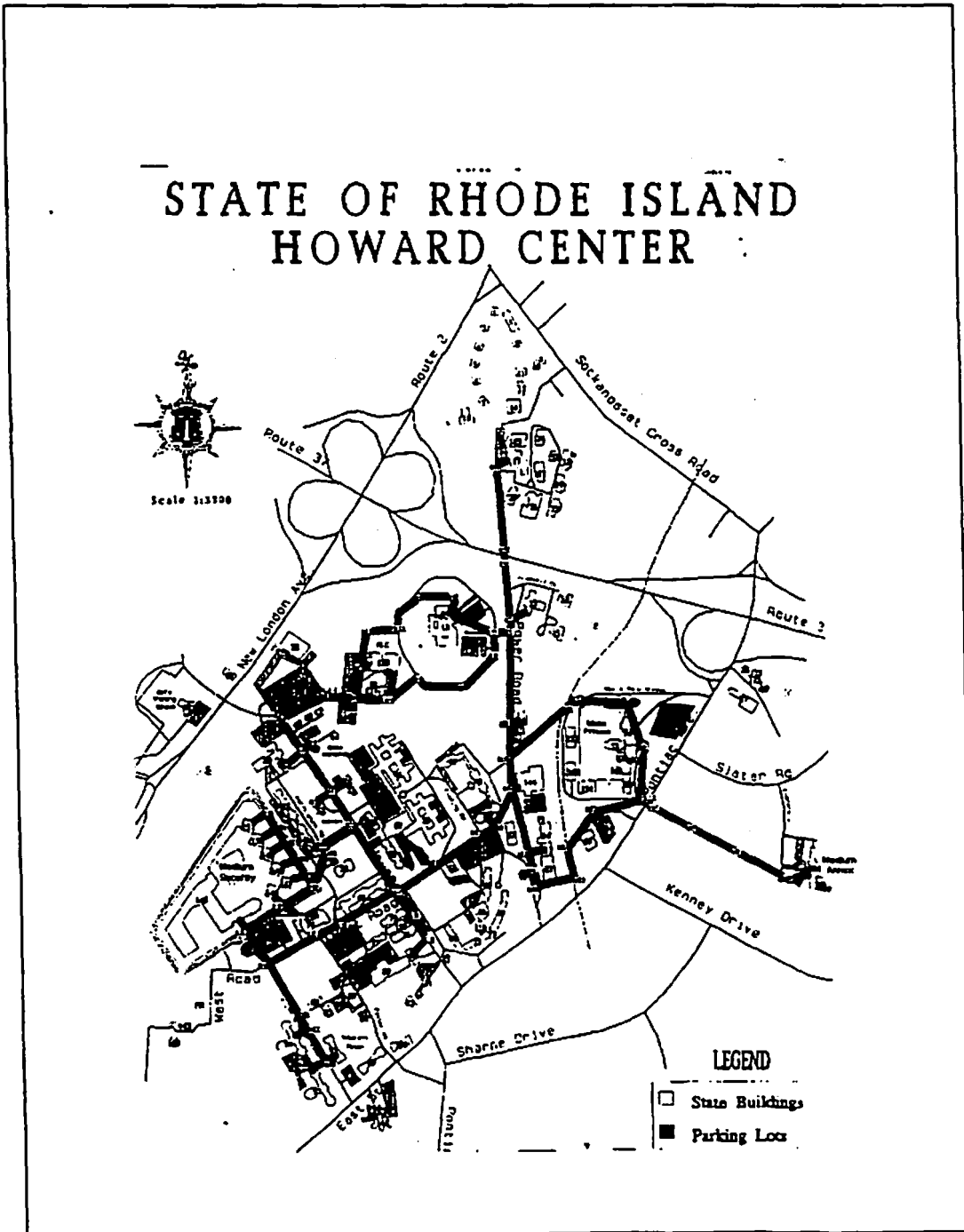
**TABLES OF CONTENT**

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B.4 Upper Slate Road .....	5
B.5 Women's Prison .....	6

**APPENDIX B**  
**OUTSIDE PLANT SCHEMATICS**

**B.1 HOWARD COMPLEX**

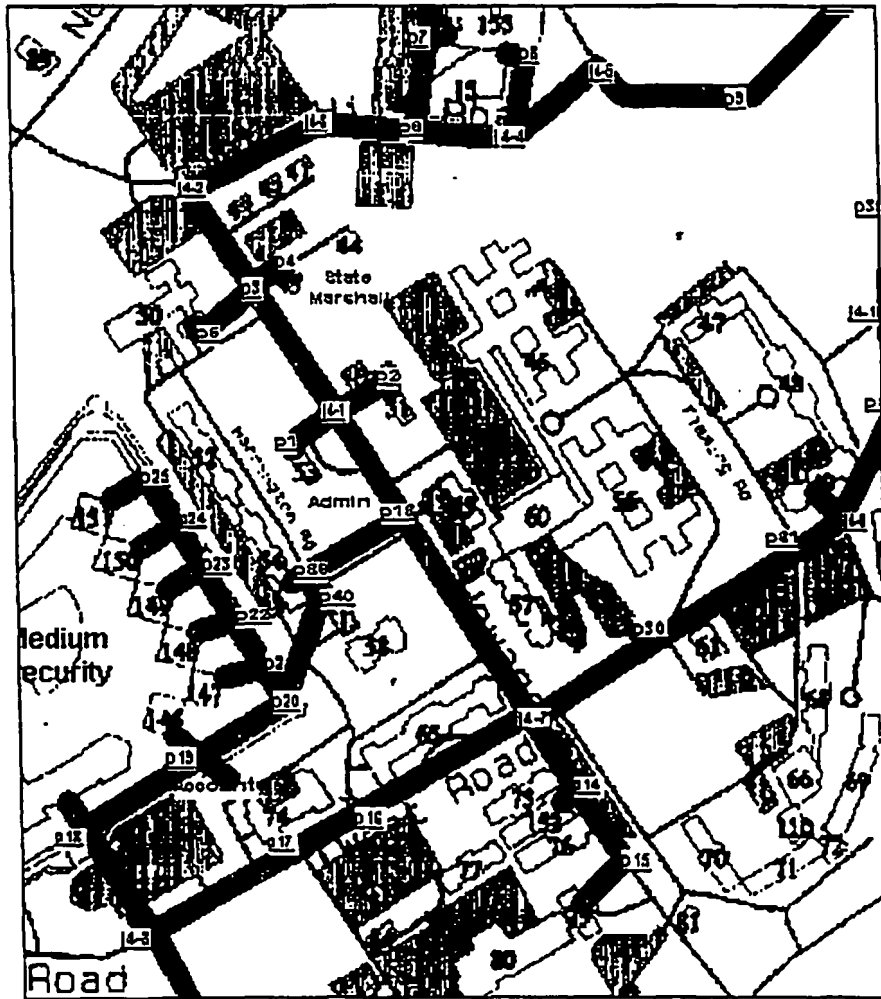


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APPENDIX B  
OUTSIDE PLANT SCHEMATICS

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B.2 HOWARD ROAD

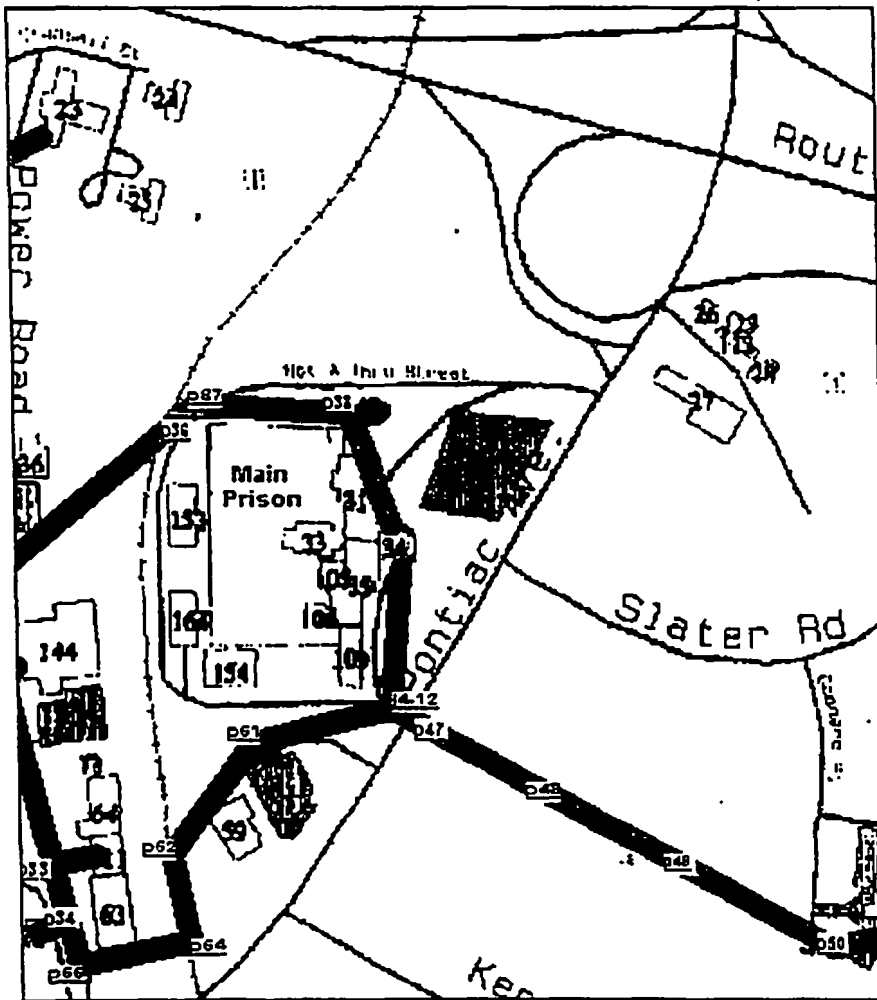


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APPENDIX B  
OUTSIDE PLANT SCHEMATICS

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B.3 MAXIMUM SECURITY

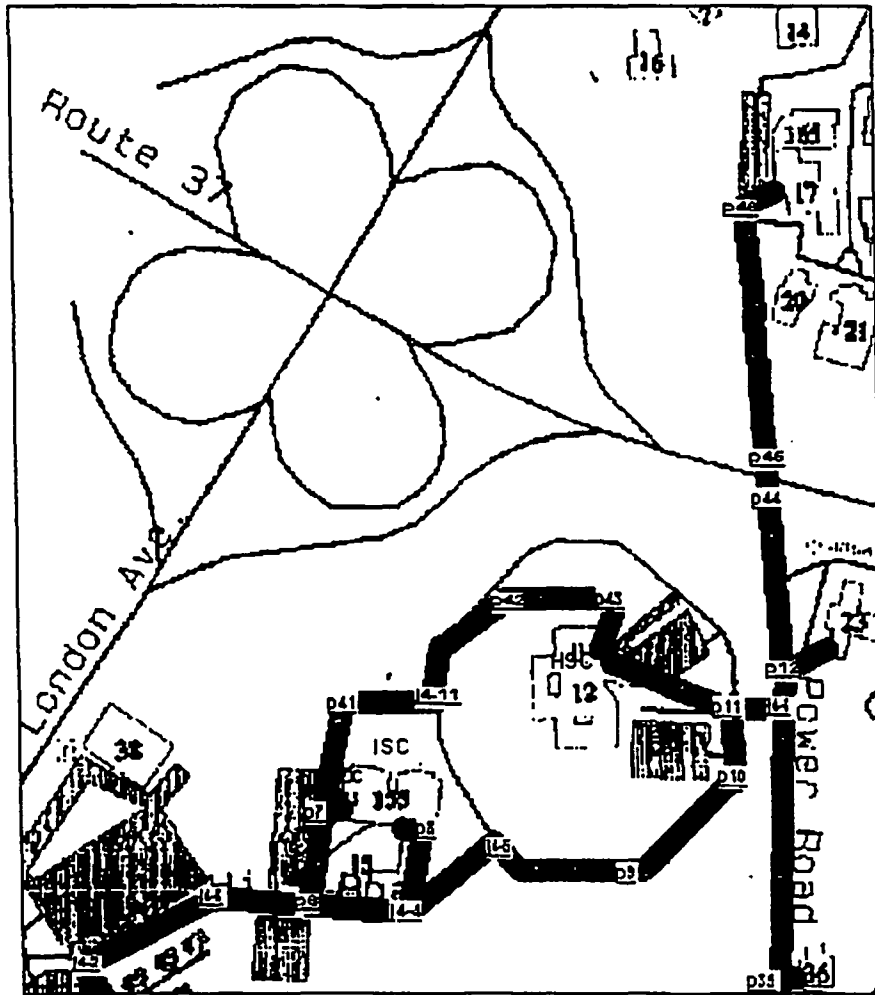


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**APPENDIX B**  
**OUTSIDE PLANT SCHEMATICS**

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**B.4 UPPER SLATE ROAD**

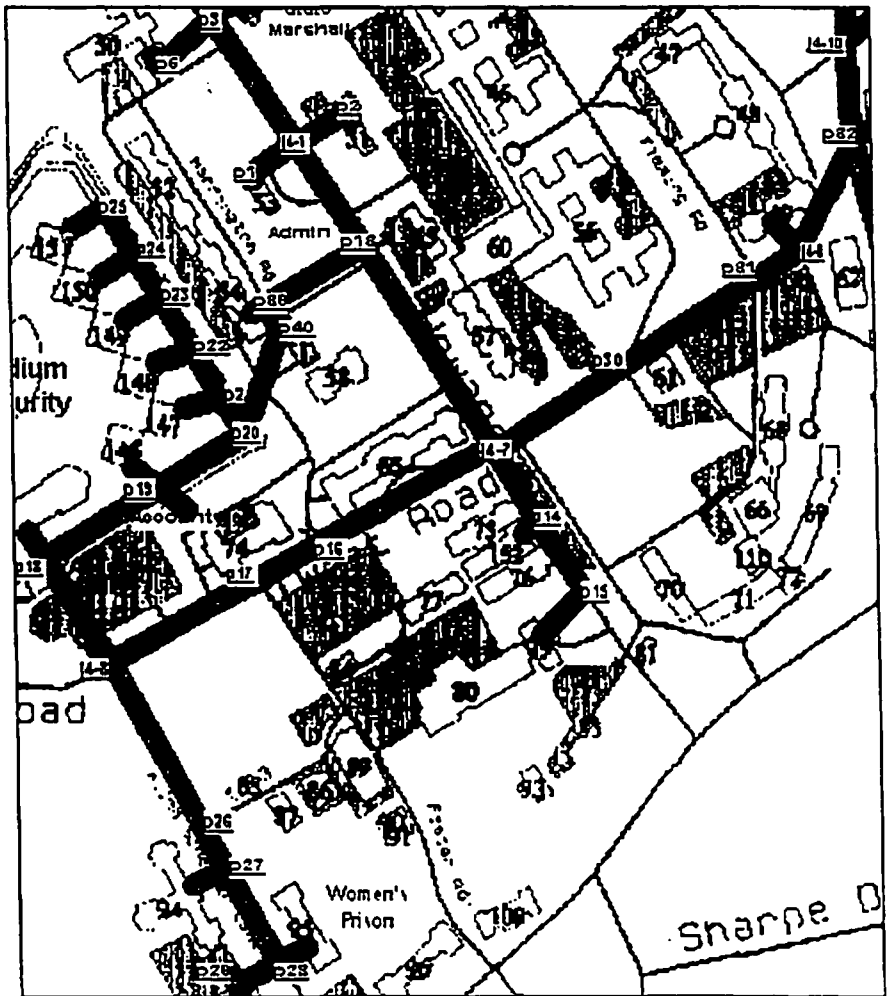


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APPENDIX B  
OUTSIDE PLANT SCHEMATICS

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B.5 WOMEN'S PRISON



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**APPENDIX C  
INSIDE PLANT SCHEMATICS**

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**TABLES OF CONTENT**

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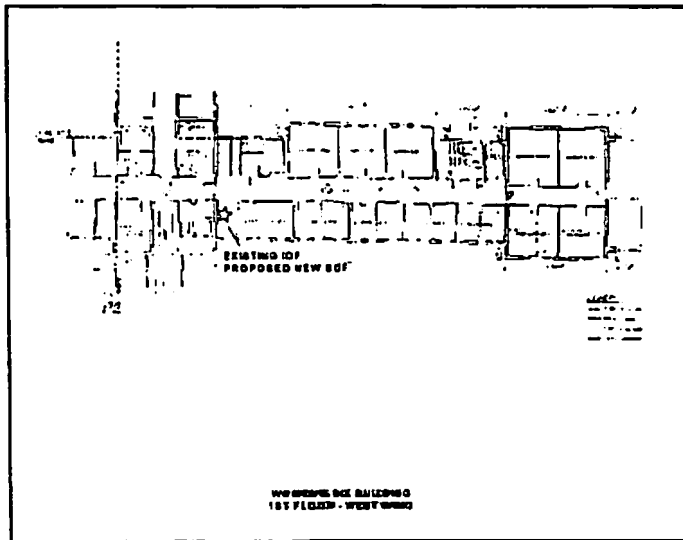
	<u>PAGE</u>
C.1 Administration A .....	2
C.2 Administration B .....	2
C.3 Dix (New BDF Location) .....	3
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C.9 Maximum Security (BDF) .....	6
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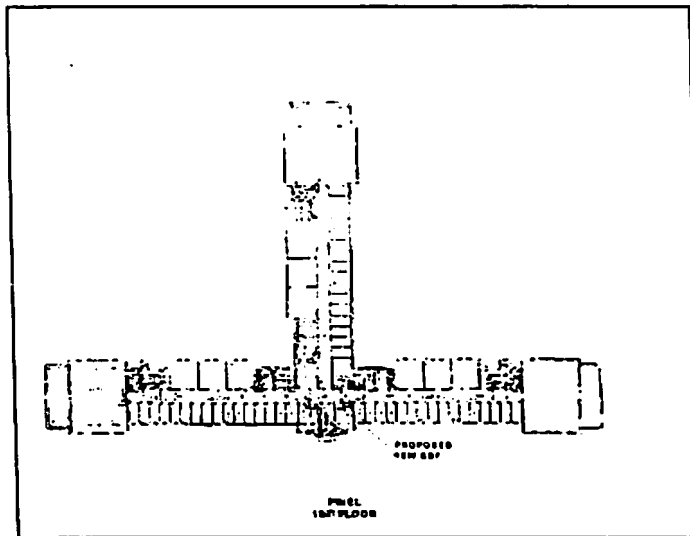
**APPENDIX C**  
**INSIDE PLANT SCHEMATICS**

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**C.3 DIX (New BDF Location)**



**C.4 PINEL (New BDF Location)**



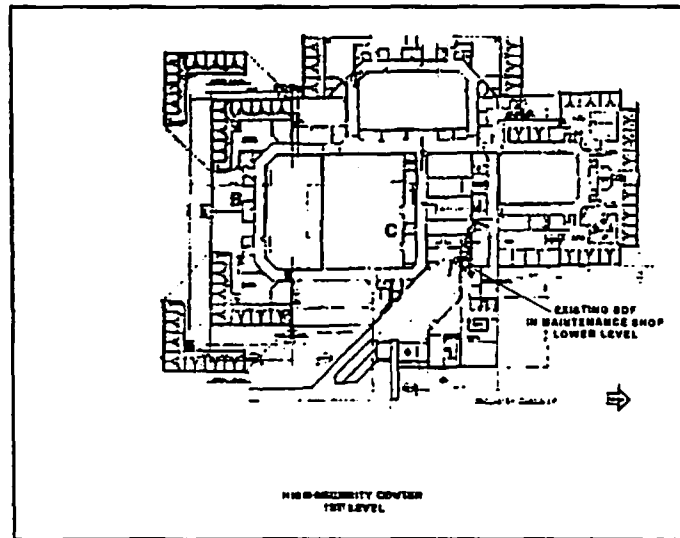


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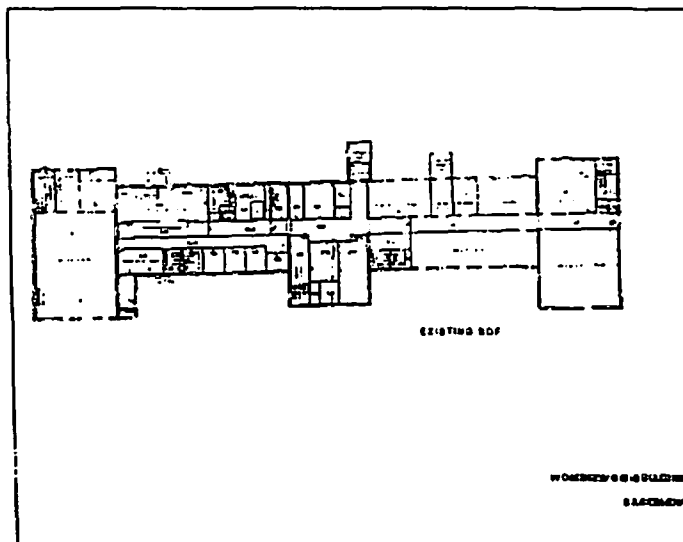
**APPENDIX C**  
**INSIDE PLANT SCHEMATICS**

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**C.7 HIGH SECURITY**



**C.8 WOMEN'S PRISON**

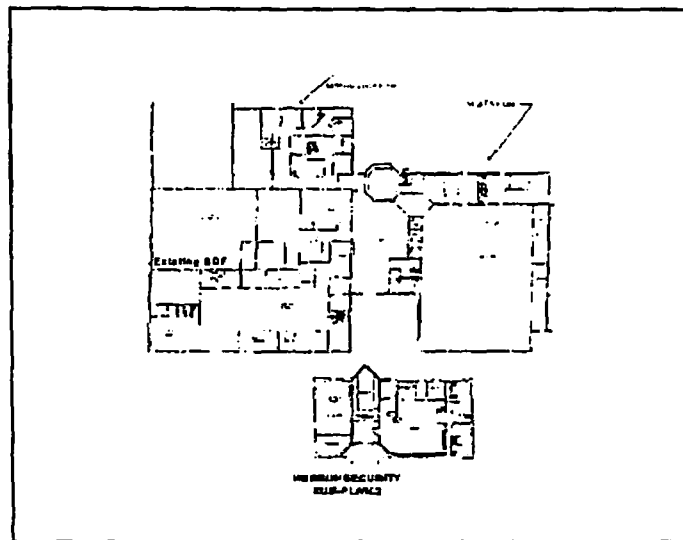


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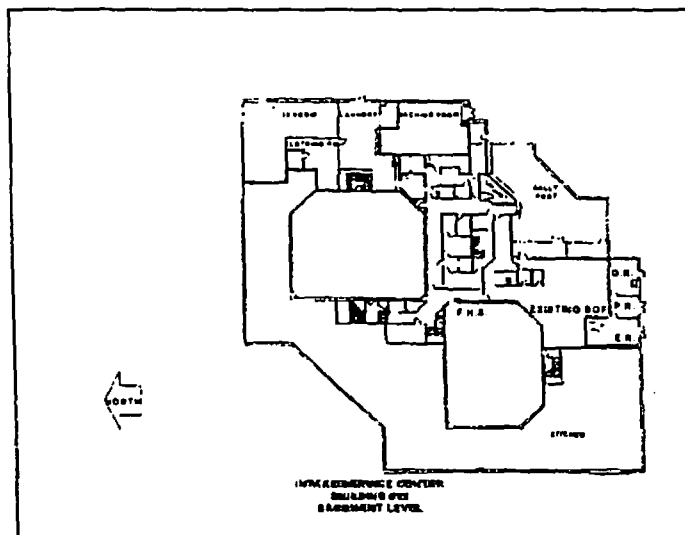
**APPENDIX C**  
**INSIDE PLANT SCHEMATICS**

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**C.10 MEDIUM SECURITY (BDF)**



**C.11 INTAKE SERVICE CENTER (BDF)**



Appendix

General Decision Number RI960003

Superseded General Decision No. RI950003

State: Rhode Island

Construction Type:  
RESIDENTIAL

County(ies):  
NEWPORT

RESIDENTIAL CONSTRUCTION PROJECTS (consisting of single family homes and apartments up to and including 4 stories)

Modification Number	Publication Date
0	03/15/1996
1	07/05/1996
2	09/13/1996

COUNTY(ies):  
NEWPORT

\* PAIN0195D 06/03/1996

	Rates	Fringes
PAINTERS:		
Brush	20.55	8.50

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PLUM0028C 06/01/1996

	Rates	Fringes
PLUMBERS	22.62	10.36

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SURI4003A 04/01/1988

	Rates	Fringes
CARPENTERS	12.95	5.51
LABORERS	13.23	3.80
PAINTERS steel	16.55	2.65
TRUCK DRIVERS:		
2-axle	11.56	2.89
3-axle	11.71	2.33
POWER EQUIPMENT OPERATORS:		
Backhoes	11.71	2.33

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WELDERS: receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).

---

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.  
END OF GENERAL DECISION

General Decision Number RI960004

Superseded General Decision No. RI950004

State: Rhode Island

Construction Type:  
RESIDENTIAL

County(ies):

BRISTOL

KENT

WASHINGTON

RESIDENTIAL CONSTRUCTION PROJECTS (consisting of single family homes and apartments up to and including 4 stories)

Modification Number

Publication Date

0

03/15/1996

1

07/05/1996

COUNTY (ies):  
BRISTOL

KENT

WASHINGTON

\* PLUM0028D 06/01/1996

	Rates	Fringes
PLUMBERS (excluding HVAC work)	22.62	10.36

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SUR14001A 04/01/1988

	Rates	Fringes
CARPENTERS (EXCLUDING DRYWALL HANGERS)	10.41	.64
ELECTRICIANS	12.50	1.85
HVAC MECHANICS	12.27	3.22
LABORERS, UNSKILLED	12.75	3.30
PAINTERS (EXCLUDING DRYWALL FINISHERS)	8.00	1.00
POWER EQUIPMENT OPERATORS: Backhoes	15.34	2.18

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WELDERS: receive rate prescribed for craft performing operation to which welding is incidental.

---

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).

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In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

END OF GENERAL DECISION



General Decision Number RI960005

Superseded General Decision No. RI950005

State: Rhode Island

Construction Type:  
DREDGING

County(ies):

BRISTOL

NEWPORT

WASHINGTON

KENT

PROVIDENCE

HOPPER DREDGE CONSTRUCTION PROJECTS

Modification Number

0

Publication Date

03/15/1996

COUNTY (ies):  
BRISTOL  
KENT

NEWPORT  
PROVIDENCE

WASHINGTON

SUR12001A 03/24/1993

Rates

Fringes

SELF-PROPELLED HOPPER DREDGES:

Drag Tenders

3.21

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).

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In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

END OF GENERAL DECISION

General Decision Number RI960006

Superseded General Decision No. RI950006

State: Rhode Island

Construction Type:  
DREDGING

County(ies):  
STATEWIDE

Rhode Island

All Dredging, except self-propelled hopper dredges, on the Atlantic Coast & tributary waters emptying into the Atlantic Ocean.

Modification Number  
3

Publication Date  
03/15/1996

COUNTY (ies):  
STATEWIDE

ENG100250 10/01/1995

	Rates	Fringes
<b>DIPPER &amp; CLAMSHELL DREDGE:</b>		
Operator	23.66	4.81+a+b+c
Engineer	21.37	4.81+a+b-c
Maintenance Engineer	20.94	4.51+a+b+c
Welder	20.62	4.51+a+b+c
Mate	19.55	4.51+a+b+c
Boat Master	20.62	4.51+a+b+c
Boat Captain	19.70	4.51+a+b+c
Fireman; Oiler	16.67	4.20+a-b+c
Deckhand; Tug Deckhand	16.26	4.20+a+b+c
Scowman	16.05	4.20+a+b+c
<b>DRAG BUCKET DREDGE:</b>		
Operator	25.09	4.81+a+b+c
Engineer	21.41	4.81+a+b+c
Maintenance Engineer	21.21	4.51+a+b+c
Mate	19.82	4.51+a+b+c
Deckhand	16.17	4.20+a+b+c
<b>HYDRAULIC DREDGES:</b>		
Leverman	23.15	4.81+a+b+c
Engineer; Derrick Operator	21.31	4.81+a-b+c
Chief Mate	21.00	4.81+a-b-c
Chief Welder	21.66	4.81+a-b+c
Maintenance Engineer	20.94	4.51+a+b+c
Electrician	20.77	4.81+a-b+c
Welder Dredge	20.61	4.51+a-b-c
Spider Barge Operator	20.43	4.51-a-b-c
Mate	19.55	4.51+a-b+c
Boat Master	20.61	4.51-a-b-c
Boat Captain	19.70	4.51-a-b-c
Steward	19.51	4.51-a-b-c
Fireman; Oiler	16.67	4.20-a-b-c
Deckhand	16.05	4.20-a-b-c
Tug Deckhand	16.26	4.20-a-b-c
Shoreman	16.05	4.20-a-b-c
Assistant Cook	16.15	4.20-a-b-c
Night Cook	16.15	4.20-a-b-c
Messman	15.79	4.10-a-b-c
Janitor/Porter	15.79	4.10-a-b-c
<b>COMPANY LEAD DREDGEMAN:</b>		
Lead Dredgeman	23.35	4.71-a-b-c
<b>TUG BOATS over 1,000 H.P. (with master or captain having license endorsed for 200 miles off shore):</b>		
Tug Master	21.62	4.71+a-b+c
Tug Captain	20.79	4.71+a-b-c
Tug Chief Engineer	20.19	4.41+a+b+c
Tug Engineer	19.30	4.41+a-b-c

Tug Deckhand	16.36	4.10-a-b-c
TUG BOATS over 1,000 H.P. (without Master or Captain having license endorsed for 200 miles off shore):		
Tug Master	20.71	4.41-a+b-c
Tug Captain	19.80	4.41-a+b+c
Tug Engineer	19.80	4.41-a+b-c
Tug Deckhand	16.36	4.10-a+b+c
DRILL BOATS:		
Engineer	22.35	4.71-a+b-c
Blaster	22.59	4.71-a+b+c
Driller	22.36	4.71-a+b+c
Welder	22.18	4.41-a+b-c
Machinist	22.18	4.41-a+b-c
Tug Master	19.56	4.41-a+b-c
Tug Captain	18.70	4.41-a+b-c
Oiler	19.66	4.10-a+b-c
Tug Deckhand	15.43	4.10-a+b-c
Core Driller	17.37	4.10-a+b-c
DIVER		
Diver	35.22	4.71-a+b-c
Standby Diver	24.51	4.71-a+b+c
Tender	27.09	4.71-a+b+c
Standby Tender	20.66	4.41-a+b-c
CREDGING PIPELINE CABLE-LAYING:		
Leverman	24.30	4.71-a+b-c
Control Tower Operator	22.44	4.71-a+b-c
Rigger	17.18	4.10-a+b-c
Line up Operator, End Prep.	16.62	4.10-a+b-c
Diver	35.99	4.71-a+b-c
Diver Tender	22.33	4.71-a+b-c
ENGINEER:		
1st	22.44	4.71-a+b-c
2nd, 3rd & 4th	22.12	4.71-a+b-c
Electrician	21.80	4.71-a+b-c
Elec. Hydro Tech.	18.41	4.41-a+b-c
Tug Master	21.79	4.71-a+b-c
Tug Captain	20.67	4.41-a+b-c

FOOTNOTES APPLICABLE TO ALL ABOVE CRAFTS:

- a. PAID HOLIDAYS: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day and Good Friday.
- b. VACATION: Eight percent (8%) of the straight time rate multiplied by the total hours worked
- c. Additional 20% for Hazardous material work

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====  
Unlisted classifications needed for work not included within  
the scope of the classifications listed may be added after  
award only as provided in the labor standards contract clauses  
(29 CFR 5.5(a)(1)(v)).  
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In the listing above, the "SU" designation means that rates  
listed under that identifier do not reflect collectively  
bargained wage and fringe benefit rates. Other designations  
indicate unions whose rates have been determined to be  
prevailing.

END OF GENERAL DECISION

General Decision Number RI960001

Superseded General Decision No. RI950001

State: Rhode Island

Construction Type:

BUILDING

HEAVY

HIGHWAY

County(ies):

STATEWIDE

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories)

HEAVY , HIGHWAY AND MARINE CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	03/15/1996
1	03/29/1996
2	04/12/1996
3	05/31/1996
4	07/05/1996
5	09/13/1996

COUNTY(ies):  
STATEWIDE

ASBE0031C 09/01/1995

	Rates	Fringes
INSULATORS/ASBESTOS WORKERS (Includes application of all insulating materials, protect- ive coverings, coatings, and finishings to all types of mechanical systems	21.90	7.31

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ASBE0201E 10/01/1993

	Rates	Fringes
HAZARDOUS MATERIAL HANDLER: (Includes preparation, wetting, stripping, removal scrapping, vacuuming, bagging and disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems)	17.45	4.70

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BOIL0029A 10/01/1995

	Rates	Fringes
BOILERMAKERS	23.17	11.5%+8.42

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\* BRR10001A 06/01/1996

	Rates	Fringes
BUILDING CONSTRUCTION:  BRICKLAYERS, STONEMASONS, POINTERS, CAULKERS & CLEANERS	20.45	11.40

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BRR10001B 11/01/1995

	Rates	Fringes
HEAVY AND HIGHWAY CONSTRUCTION:  BRICKLAYERS, STONEMASONS, POINTERS, CAULKERS and CLEANERS	18.35	10.65

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CARP0436A 06/03/1996

	Rates	Fringes
HEAVY AND HIGHWAY CONSTRUCTION:  CARPENTERS, SOFT FLOOR LAYERS		



& PILEDIVERMEN:	19.40	9.65
MARINE DIVERS	31.00	9.65

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CARP0475A 01/01/1996

	Rates	Fringes
CARPENTERS, SOFT FLOOR LAYERS & PILEDIVERMEN:		
BUILDING CONSTRUCTION	19.15	9.65
MILLWRIGHTS BUILDING CONSTR.	19.40	9.65

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\* ELEC0099C 06/01/1996

	Rates	Fringes
ELECTRICIANS	23.05	40%
TELEDATA SYSTEM INSTALLER	16.50	4.09+6%

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\* ELEC0104A 09/01/1996

	Rates	Fringes
LINE CONSTRUCTION:		
Lineman	24.70	7.70+4%+A

FOOTNOTES:

A. PAID HOLIDAYS: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Christmas Day and Columbus Day, provided the employee has been employed 5 working days prior to any one of the listed holidays.

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\* ELEV0039A 09/15/1995

	Rates	Fringes
ELEVATOR MECHANICS	25.50	6.12+a+b

FOOTNOTES:

- A. PAID HOLIDAYS: Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Christmas Day; Plus the Friday after Thanksgiving Day.
- B. Employer contributes 8% basic hourly rate for 5 years or more of service of 6 % basic hourly rate for 6 months to 5 years of service as vacation pay credit.
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\* ENGI0057A 06/01/1996

	Rates	Fringes
POWER EQUIPMENT OPERATORS (BRIDGES, CAISSONS, DOCKS, MARINE PIERS, TUNNELS, SUB-BASEMENTS, SUBTERRANEAN & HEAVY		

CONSTRUCTION)

POWER EQUIPMENT OPERATORS:

GROUP 1	21.72	8.18+C
BOOM LENGTHS, INCLUDING JIBS:		
150 FT. AND OVER: +\$0.75		
180 FT. AND OVER: +\$1.50		
210 FT. AND OVER: +\$2.00		
240 FT. AND OVER: +\$2.50		
270 ft. AND OVER: +\$3.00		
GROUP 2	17.34	8.18+C
GROUP 3	14.49	8.18+C
GROUP 4	20.77	8.18+C
GROUP 5	20.44	8.18+C
GROUP 6	17.42	8.18+C
GROUP 7	16.72	8.18+C
GROUP 8	21.34	8.18+C
GROUP 9	20.27	8.18+C

PAID HOLIDAYS: New Year's Day, President day, Memorial Day, July Fourth, Victory Day, Labor day, Columbus Day, Veterans Day, Thanksgiving Day, Christmas Day.

FOOTNOTE:

C. All employee who works straight time shall be paid for all holidays. Any employee that work three (3) day in the week in which a holiday fall shall be paid for the holiday.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Digging Machine; Cranes; Piledrivers; Lighters; Locomotives; Derricks; Hoists; Pavers; Front End Loaders 3 yds. and over; Vibratory Hammers; Fork Lifts; Concrete Pumps Operators.

GROUP 2: Firemen and Oilers.

GROUP 3: Oiler-Crawler Backhoes.

GROUP 4: Bulldozers; Graders; Spreaders; Scrapers; Pippin type Backhoes; Street Sweepers (Mobile Powered Sweeper 3- yd. Capacity, 8 ft. Sweeper, Minimum 65 HP). Front End Loaders less than 3 yards.

GROUP 5: Well-Point Installation Crew.

GROUP 6: Heaters; Concrete Mixers; Stone Crushers; Welding Machines; Generators for light Plants and Electric Pumps.

GROUP 7: Gas or Electric Driven Pumps & Air Compressors.

GROUP 8: Boat and Tug Operators.

GROUP 9: Rollers

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\* ENGI0057B 05/01/1996

POWER EQUIPMENT OPERATORS (WATER AND SEWERLINE PROJECTS  
HIGHWAY AND BRIDGE INCIDENTAL TO HIGHWAY CONSTRUCTION  
PROJECTS):

POWER EQUIPMENT OPERATORS

	Rates	Fringes
GROUP 1:	20.37	8.18+C

BOOM LENGTHS, INCLUDING JIBS:

130 FT. AND OVER:	+\$0.50
150 FT. AND OVER:	+\$0.75
180 FT. AND OVER:	+\$1.25
210 FT. AND OVER:	+\$1.75
240 FT. AND OVER:	+\$2.25
270 FT. AND OVER:	+\$2.75

GROUP 2:	18.90	8.18+C
GROUP 3:	12.95	8.18+C
GROUP 4:	19.35	8.18-C
GROUP 5:	18.97	8.18+C
GROUP 6:	14.62	8.18+C
GROUP 7:	15.65	8.18+C
GROUP 8:	18.35	8.18+C
GROUP 9:	18.80	8.18+C
GROUP 10:	17.95	8.18+C
GROUP 11:	18.42	8.18+C

PAID HOLIDAYS:

New Year's Day, President Day, Memorial Day, July Fourth,  
Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving  
Day, Christmas Day.

FOOTNOTE:

C. All employee who works straight time shall be paid for all  
holidays. Any employee that work three (3) day in the week in  
which a holiday fall shall be paid for the holiday.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Digging machines; Cranes; Pile Drivers; Lighter;  
Locomotives; Derricks; Hoists; Pavers; Front End Loaders 3 yards  
and over; Fork Lifts; Economobiles; Ross Carriers; Concrete Pump  
Operators

GROUP 2: Firemen.

GROUP 3: Oilers.

GROUP 4: Front End Loaders less than 3 yards; Graders, Bulldozer and Scrapers

GROUP 5: Spreaders; Rollers; Tractors; Pippin Type Backhoes; Street Sweeper Operators

GROUP 6: Gas and Electric driven Heaters; Concretet Mixers; Stone Crushers; Light Plants; Welding Machines; Pumps; Compressors

GROUP 7: Oilers; On Truck Cranes Gradalls and Crawler Cranes

GROUP 8: Test Boring Machine Operators

GROUP 9: Well Point Installation Crew

GROUP 10: Mechanics, Welders and Bulldozer men in material yards, Shops and Garage

GROUP 11: Shovel Operators, Front-end Loaders Draglines and Crane Operators in Material Yards, Shop and Garages

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\* ENGI0057C 06/01/1996

	Rates	Fringes
POWER EQUIPMENT OPERATORS (BUILDING CONSTRUCTION)		
GROUP 1:	20.99	8.18+C
BOOM LENGTHS, INCLUDING JIBS:		
150 FT. AND OVER:	+\$0.75	
180 FT. AND OVER:	+\$1.50	
210 FT. AND OVER:	-\$2.00	
240 FT. AND OVER:	-\$2.50	
270 FT. AND OVER:	-\$3.00	
GROUP 2:	20.77	8.18+C
GROUP 3:	20.57	8.18+C
GROUP 4:	16.77	8.18+C
GROUP 5:	13.92	8.18+C
GROUP 6:	20.07	8.18+C
GROUP 7:	19.57	8.18+C
GROUP 8:	19.64	8.18+C
GROUP 9:	16.97	8.18+C
GROUP 10:	16.27	8.18+C

PAID HOLIDAYS:

New Year's Day, President day, Memorial Day, July Fourth, Victory Day, Labor Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, Christmas Day.

FOOTNOTE:

C. All employee who works straight time shall be paid for all holidays. Any employee that work three (3) days in the week in which a holiday fall shall be paid for the holiday.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

- GROUP 1: Digging machine; Ross carriers; Cranes; Piledrivers; lighters; Locomotives; Derricks; Hoists; Pavers; Front end loaders 3 yds. and over; Vibratory hammers.
- GROUP 2: Economobile type equipment; Concrete pumps.
- GROUP 3: Forklifts.
- GROUP 4: Firemen and oilers.
- GROUP 5: Oilers on crawler backhoes.
- GROUP 6: Bulldozer, Tractors, Graders, Spreaders, Scrapers, pippin type backhoes, Front-end loaders (less than 3 yds.), street sweepers, (mobile powered sweepers 3 yard capacity, 8 foot sweeper, minimum 65 hp)
- GROUP 7: Rollers.
- GROUP 8: Well-point installation crew.
- GROUP 9: Heaters; Concrete mixers; Stone crusher; Welding machines & generators for light plants and electric pump.
- GROUP 10: Gas or electric driven pumps & air compressors;

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IRON0037A	06/02/1996		
		Rates	Fringes
IRONWORKERS		21.58	10.80

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\* LAB00271A 06/01/1996

		Rates	Fringes
LABORERS (BUILDING CONSTRUCTION):			
GROUP 1		17.80	8.30
GROUP 2		18.05	8.30
GROUP 3		18.10	8.30
GROUP 4		18.45	8.30
GROUP 5		18.55	8.30
GROUP 6		18.80	8.30
GROUP 7		19.80	8.30

LABORERS CLASSIFICATIONS

- GROUP 1: Laborers; Carpenters tenders, Mason tenders, Cement

finisher tenders; Scaffold erectors; Wrecking laborers.

GROUP 2: Asphalt rakers; Adzeman; Pipe trench bracers; demolition burners; Chain saw operators; Fence & guard rail erectors; Setters of metal forms for roadways; Mortar mixers; pipelayers; riprap & dry stonewall builders; Highway stone spreaders; Pnuematic tool operators; Wagon drill operators; Tree trimmers; Barco-type jumping tampers, Mechanical Grinder Operator

GROUP 3: Plasterers' tenders, Scaffold builders (plasterers'), Mortar Mixers (plasterers').

GROUP 4: Pumping machine operators - Plasterers' tenders.

GROUP 5: Pre-cast floor & roof plank erectors.

GROUP 6: Air track operators; Hydraulic and similar self-powered drills; Block pavers; Rammers & curb setters, Powderman and Blasters.

GROUP 7: Asbestos removal and toxic waste removers.

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LAB00673A 06/01/1996

	Rates	Fringes
LABORERS (HEAVY AND HIGHWAY CONSTRUCTION):		
GROUP 1	17.80	8.25
GROUP 2	18.05	8.25
GROUP 3	18.30	8.25
GROUP 4	11.30	8.25
GROUP 5	19.80	8.25

#### LABORERS CLASSIFICATIONS

GROUP 1: Laborers; Carpenters Tenders; Cement Finishers Tenders; Wrecking Laborers; Plant Laborers; Drillers in quarriers

GROUP 2: Adzemen; Asphalt Rakers; Barcotype Jumping Tampers; Chain Saw Operators; Concrete and Power Buggy Operators; Concrete Saw Operators; Demolition Burners; Fence and Guard rail Erectors; Highway Stone Spreaders; Laser Beam Operators Mechanical Grinder Operators; Mason Tenders; Mortar Mixers; Pneumatic Tool Operators; Riprap and Dry Stone Wall Builders; Scaffold Erectors; Setters of Metal Forms for Roadways; Wagon Drill Operators; Wood Chipper Operators; Pipelayers; Pipetrench Bracers

GROUP 3: Air Track Drill Operators; Hydraulic and similar Powered Drills; Brick Pavers; Block Pavers; Rammers and Curb Setters; Powermen and Blasters

GROUP 4: Flaggers and Signalers

GROUP 5: Asbestos Removal and Toxic Waste Remover

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\* MARB0001G 07/01/1996

	Rates	Fringes
MARBLE SETTERS, TERRAZZO WORKERS & TILE SETTERS	21.25	11.85

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\* MARB0036A 07/01/1996

	Rates	Fringes
MARBLE, TILE & TERRAZZO FINISHERS	19.80	9.40

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\* PAIN0195A 06/03/1996

	Rates	Fringes
PAINTERS:		
BRUSH; ROLLER; TAPER	20.55	8.50
STRUCTURAL STEEL; STEAM CLEANING	20.80	8.50
SPRAY, SAND OR WATER BLASTING	21.55	8.50

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PAIN0391B 06/01/1993

	Rates	Fringes
BRISTOL, KENT AND PROVIDENCE COUNTIES ONLY:		
PAINTERS, SIGN	12.48	4.02+c+d

FOOTNOTES:

- c. PAID HOLIDAYS: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Christmas Day plus V.J. Day, Columbus Day & Veterans Day.
  - d. One year's seniority - one weeks paid vacation; 2 years' seniority - 2 weeks' paid vacation.
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PAIN1333C 09/24/1995

	Rates	Fringes
GLAZIER	21.06	7.30 + H

FOOTNOTE:

- H. PAID HOLIDAY: LABOR DAY, PROVIDED THE EMPLOYEE HAS WORKED ANY PART OF THE WEEK PRIOR TO LABOR DAY AND ANY PART OF THE WEEK AFTER LABOR DAY.
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\* PLAS0001L 06/01/1996

	Rates	Fringes
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CEMENT MASONS & PLASTERERS BUILDING CONSTRUCTION:

REMAINDER OF STATE 20.45 11.40

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PLAS0040A 06/03/1996

	Rates	Fringes
CEMENT MASONS AND PLASTERERS BUILDING CONSTRUCTION		
COUNTY OF NEWPORT (With regard to Cement Mason on Building Construction, only GOAT, GOULD, DUTCH, ROSE, PRUDENCE AND COASTERS HARBOR ISLAND, TIVERTON, PORTSMOUTH AND SAKONNET), AND THE TOWNS AND CITIES OF BARRINGTON, BRISTOL, WARREN, COVENTRY, EAST GREENWICH, WARWICK, WEST WARWICK, CENTRAL FALLS, CRANSTON, CUMBERLAND (with regard to PLASTERERS, ONLY THE SOUTHERN ONE THIRD OF CUMBERLAND), EAST PROVIDENCE FOSTER, CLOCESTER (EXCEPT FOR CEMENT MASONS ON HEAVY AND HIGHWAY CONSTRUCTION), JOHNSTON, LINCOLN, NORTH PROVIDENCE, PAWTUCKET, PROVIDENCE, SCITUATE, SMITHFIELD, EXETER, NORTH KINGSTOWN, NARRAGANSETT		
CEMENT MASONS	21.45	8.45
PLASTERERS	21.45	8.45

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PLAS0040B 07/01/1996

	Rates	Fringes
CEMENT MASONS HEAVY AND HIGHWAY CONSTRUCTION:		
CEMENT MASON	20.20	5.35

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PLUM0028A 06/01/1996

	Rates	Fringes
PLUMBERS	22.62	10.36

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\* PLUM0676E 08/01/1996

	Rates	Fringes
SPRINKLER FITTERS	24.40	10.70

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\* ROOF0169A 08/01/1996

	Rates	Fringes
ROOFERS:		
Composition: Waterproofers	18.50	10.00
Slate, Tile & Precast Concrete	18.70	10.00

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SFRI0476A 06/01/1996

	Rates	Fringes
STEAMFITTERS	22.73	10.25

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SHEE0017B 01/01/1996

	Rates	Fringes
SHEET METAL WORKER	22.48	12.23

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TEAM0251A 06/01/1993

	Rates	Fringes
TRUCK DRIVER BUILDING CONSTRUCTION;		
GROUP 1	17.79	5.3225
GROUP 2	17.87	5.3225
GROUP 3	18.12	5.3225
GROUP 4	18.37	5.3225

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 Dump and Two Axle Equipment Drivers

GROUP 2 Trailers and Three Axle Equipment Drivers

GROUP 3 Low Bed Trailers (24 ton rated capacity and over);  
I-Beam Trailers; Specialized Earth Moving Equipment  
(euclid-type)

GROUP 4 Euclid-Type Equipment over 35 tons capacity

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TEAM0251B 05/01/1996

	Rates	Fringes
TRUCK DRIVERS HEAVY AND HIGHWAY CONSTRUCTION:		
GROUP 1	17.36	6.6725+A+B
GROUP 2	17.50	6.6725+A+B
GROUP 3	17.61	6.6725+A+B
GROUP 4	17.71	6.6725+A+B
GROUP 5	17.81	6.6725+A+B
GROUP 6	18.81	6.6725+A+B
GROUP 7	18.00	6.6725+A+B
GROUP 8	18.31	6.6725+A+B
GROUP 9	17.86	6.6725+A+B

FOOTNOTES:

- A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor day, Thanksgiving Day and Christmas Day, plus Washington's Birthday, Columbus Day, Veteran's Day and V-J Day, providing Employee has worked at least one day in the calendar week in which the holiday falls.
- B. Employee who has been on the Payroll for 1 year or more but less than 5 years and has worked 150 Days during the last year of employment shall receive 1 week's paid vacation; 5 to 10 years - 2 weeks' paid vacation; 10 or more years - 3 week's paid vacation.

Tunnel rate for trucks actually going underground - add .40 per hour to rate according to equipment. On equipment used to haul power add .25 per hour above rate according to axle. All drivers working on or hauling to from a defined hazard material job site (any site defined as a superfund site or where drivers must wear protective equipment P.P.E.) shall be paid a premium of \$1.00 per hour over applicable rate.

#### TRUCK DRIVER CLASSIFICATIONS

- GROUP 1 Pick-up trucks, station wagons and panel trucks
- GROUP 2 Two-axle (except dump trucks), tenders on low beds
- GROUP 3 Two axle dump truck
- GROUP 4 Three-axle equipment
- GROUP 5 Four and Five axle equipment
- GROUP 6 Low bed trailers, special earth moving equipment under 35 tons, mechanics, paving restoration vehicle and vac haul
- GROUP 7 Special earth moving equipment 35 tons
- GROUP 8 Trailers (when used on a double hook-up pulling 2 trailers)
- GROUP 9 Tractor trailers

-----  
WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.  
-----

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).  
-----

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter

- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
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The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
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4.) All decisions by the Administrative Review Board are final.  
END OF GENERAL DECISION

General Decision Number RI960002

Superseded General Decision No. RI950002

State: Rhode Island

Construction Type:  
RESIDENTIAL

County(ies):  
PROVIDENCE

RESIDENTIAL CONSTRUCTION PROJECTS (consisting of single family homes and apartments up to and including 4 stories)

Modification Number	Publication Date
0	03/15/1996
1	03/29/1996
2	07/05/1996
3	09/13/1996

COUNTY(ies):  
PROVIDENCE

\* BRRI0001C 06/01/1996

	Rates	Fringes
BRICKLAYERS	20.45	11.40

CARP0475B 01/01/1996

	Rates	Fringes
CARPENTERS	15.32	9.65

\* ELEC0099E 06/01/1996

	Rates	Fringes
ELECTRICIANS	16.30	4.96+3%

LABO0271B 06/01/1995

	Rates	Fringes
UNSKILLED	17.80	8.10

\* PAIN0195C 06/03/1996

	Rates	Fringes
PAINTERS		
Brush	20.55	8.50

PLUM0028B 06/01/1996

	Rates	Fringes
PLUMBERS	22.62	10.36

-----  
WELDERS: receive rate prescribed for craft performing operation  
to which welding is incidental.  
-----

SURI4002A 04/01/1988

	Rates	Fringes
PLASTERERS	13.80	2.45
Tenders	10.00	1.80

-----  
Unlisted classifications needed for work not included within  
the scope of the classifications listed may be added after  
award only as provided in the labor standards contract clauses  
(29 CFR 5.5(a)(1)(v)).  
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