Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
ONE CAPITOL HILL
PROVIDENCE RI 02908

CREATION DATE : 08-MAY-18
BID NUMBER: 7592743
TITLE: FURNISH AND INSTALL A PRE-FABRICATED WALK-IN REFRIGERATOR AT CHAPIN HEALTH LAB

BLANKET START : 18-MAY-18
BLANKET END : 31-DEC-18
BID CLOSING DATE AND TIME:23-MAY-2018 10:30:00

BUYER: Cadoret, David
PHONE #: 401-574-8131

BILL TO
DOA CONTROLLER
ONE CAPITOL HILL, 4TH FLOOR
SMITH ST
PROVIDENCE, RI 02908
US

SHIP TO
DOA BUDGET OFFICE
ONE CAPITOL HILL, 4TH FLOOR
SMITH ST
PROVIDENCE, RI 02908
US

Requistion Number: 1558056
Note to Bidders: SEE ATTACHED DOCUMENTATION

Line	Description	Quantity	Unit	Unit Price	Total
1	Provide, Assemble, and Install a Pre-fabricated Walk-in Refrigerator at Chapin Health Lab (as per attached specifications). Bid a total cost.	1.00	Each		

Delivery: _____

Terms of Payment: _____

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

BID 7592743
FURNISH AND INSTALL A PRE-FABRICATED WALK-IN REFRIGERATOR AT CHAPHIN HEALTH LAB
CLOSING DATE AND TIME: 5/23/18 AT 10:30AM
ADDITIONAL INFORMATION

Questions concerning this solicitation may be e-mailed to the Division of Purchases at doa.purbidinfo@purchasing.ri.gov no later than May 14, 2018 at 5pm. Please reference the RFQ number on all correspondence. Questions should be submitted in a Microsoft word attachment. Answers to questions received, if any, will be posted on the internet as an addendum to this solicitation (www.purchasing.ri.gov). It is the responsibility of all interested parties to download this information.

The equipment described in the bidding documents establish a standard of required function, dimension, appearance, and quality to be met by any proposed substitution. **No substitution will be considered prior to receipt of bids unless written request for approval has been received by May 14, 2018**. Such requests shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitution including drawings, performance, and test data and other information necessary for an evaluation. The burden of proof of the merit of the proposed substitution is upon the proposer. The agency's approval or disapproval of a proposed substitution shall be final. If the agency approves a proposed substitution prior to receipt of bids, such approval will be set forth in an addendum. Bidders shall not rely upon approvals made in any other manner.

BACKGROUND

The Chapin Health Laboratory building, located at 50 Orms Street, Providence, RI, consists of numerous Department of Health functions, to include the State Center for the Office of Medical Examiners. As part of their mission to determine both the cause and manner of death, the Office of Medical Examiners assumes jurisdiction over deaths and receives the deceased remains to screen for public health significance and determine cause of death. The Division of Capital Asset Management and Maintenance, on behalf of the Department of Health, seeks to improve the effectiveness and reliability of facilities in order to support the mission of the Office of the Medical Examiners by constructing a pre-engineered, walk-in cooler addition abutting the southwest corner of the facility.

SCOPE OF WORK

1. Obtain all Building Code permits.
2. Provide and install a pre-engineered walk-in cooler with dimensions 19'-0" by 18'-4." Specifications for the cooler are attached.
3. Construct/assemble the pre-engineered cooler extension on a raised, insulated concrete pad (the State will construct concrete pad under separate contract) in accordance with the manufacturer's recommendations.

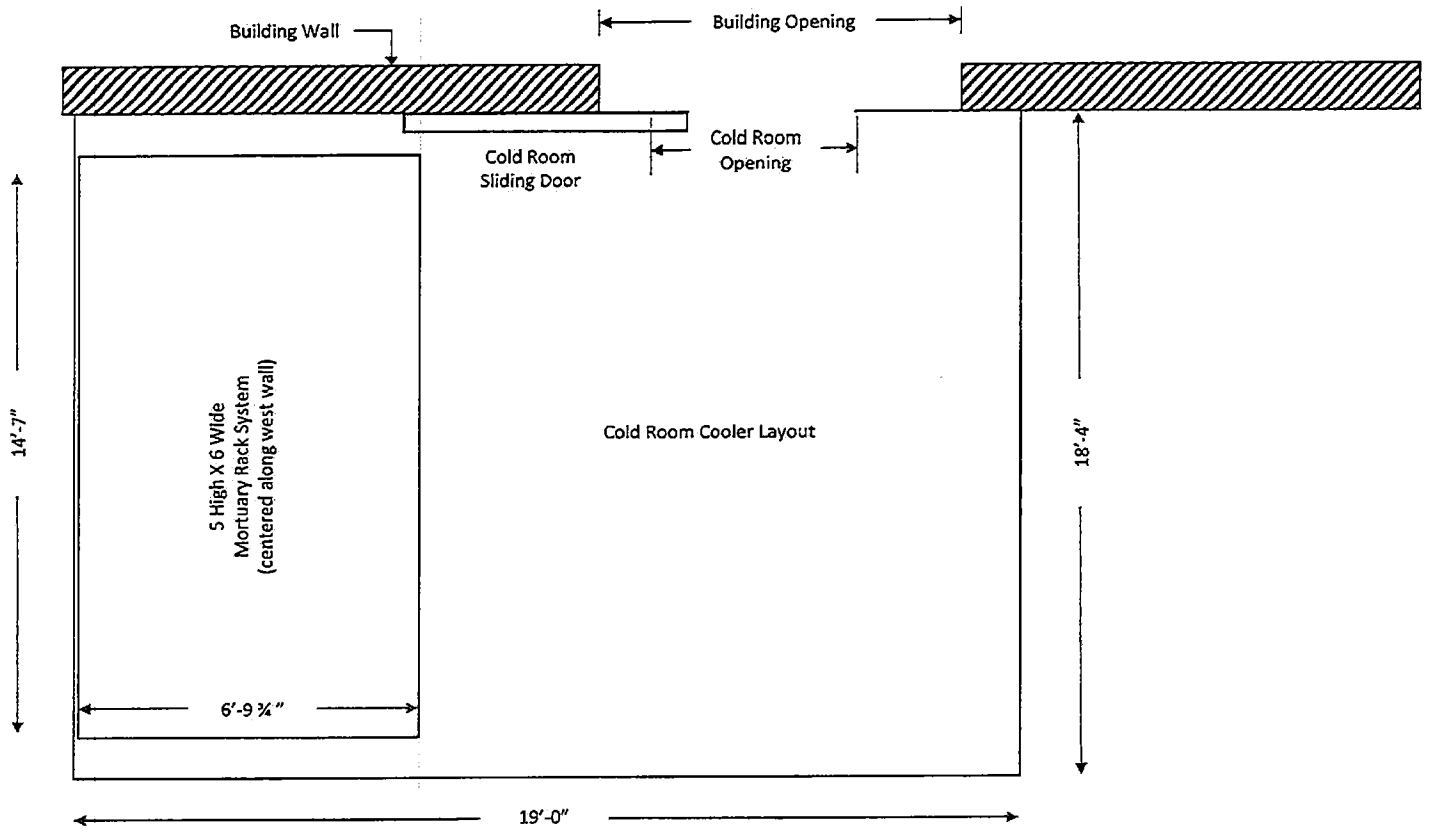
4. Install appropriate flashing material to prevent water/moisture penetration along the seam between the south face of the existing building and the north face of the cooler extension. Flashing material shall accommodate seasonal expansion and contraction of this seam.
5. Provide and install a mortuary rack system with rollers along the west wall of the cooler extension. Mortuary rack system shall be constructed five (5) racks high by six (6) racks wide for a total capacity of thirty (30) openings. Specifications for the rack system are attached.
6. Provide thirty (30) body trays. Specifications for the body trays are attached.
7. Provide one (1) hydraulic cadaver lift fully powered system. Specifications for the lift system are attached
8. Provide one (1) end/side loading roller pallet assembly. Specifications for the pallet assembly are attached.
9. Provide and install two evaporator and condensing units. Each evaporator-condenser shall be sized to provide all cooling needs for the cooler extension, such that redundant capacity will be provided. Specifications for refrigeration equipment are attached.
10. Electrical connection
11. Provide submittals/cut sheets on proposed materials and equipment
12. Provide a work schedule through completion of the project.
13. Provide as-built drawings
14. Provide owner training

ATTACHMENTS

1. General site plan and layout
2. Pre-engineered walk-in refrigerator specifications
3. Morgue equipment specifications

Notes:

1. Cold room cooler sets on top of concrete pad
2. Concrete pad to be constructed by State under separate contract



WALK-IN REFRIGERATOR

PART 1 GENERAL

1.01 SECTIONS INCLUDE

A. Prefabricated insulated, metal panels, outdoor walk-in refrigerator on a raised insulated slab (State to provide raised insulated concrete pad under separate contract) with wall and ceiling panels adjoining to the building loading dock area.

1. Morgue Cooler: Redundant backup refrigeration systems will be required.

B. Doors, frames and hardware.

C. Outdoor roof membrane.

D. Mounted refrigeration and remote equipment, unit integral piping and wiring between components.

E. Controls and lighting.

1.02 REFERENCES

A. ASTM B209 – Aluminum-Alloy, Sheet and Plate.

B. NSF – National Sanitary Foundation Standards F7.

1.03 SYSTEM DESCRIPTION

A. Wall Panels: 4 inches thick foamed in place polyurethane insulation with metal exterior and interior faces. Withstand a live lateral load of 100 lbs. UL and NSF listed. Panel shall be structurally self-supporting.

B. Floor Panels: None required. Raised insulated concrete slab on grade providing an even transition to the adjoining building to be provided by the State under separate contract.

C. Ceiling Panel: 5 inches thick foamed in place polyurethane insulation with metal exterior and interior faces. Withstand its own weight, dead load and live load of a minimum of 10 PSF with maximum deflection of 1/180.

D. Condensing Units: Air cooled scroll or hermitic sealed compressors, factory assembled, and UL listed. Provide high/low pressure controls, insulated receiver, sight glass, liquid line dryer, suction filter, accumulator, and air defrost timer.

E. Evaporator Coil: Copper tube aluminum fin design, UL listed. Air defrost design, ceiling mounted. EC Fan motor, guards, expansion valves, liquid line solenoid and multi-fin and tube-type coils housed in heavy gauge aluminum housing.

F. Ensure coordination with electrical contractor and Manufacture regarding the refrigeration system/s power and load requirements.

G. Performance

1. Cooler Rooms: Maintain 35 degrees F°.
2. Tolerance: Plus, or minus 3 degrees F°.

H. Refrigeration load requirements:

1. Product load 2800 lbs. of cadavers enter at 85 degrees F in a 24-hour period.
2. Door openings 1 per hour for 1-minute entering air 85 degrees F at 50% Relative Humidity.
3. Ambient temp 95 degrees F around the outdoor walk-in refrigerator.
4. Condensing unit ambient 95 degrees F.

1.04 SUBMITTALS

A. Submit in accordance with section division 1.

B. Shop drawings to show layout, room dimensions, materials, components, fasteners, doors, hardware, equipment, finishes method of installation and assembly, supplementary support or bracing, controls, services roughing-in and load requirements.

C. Product data on hardware and fixtures.

D. Manufacturer's installation instructions.

E. Operation and maintenance date showing installers name, address and telephone numbers of person responsible of maintenance during the warranty period.

1.05 QUALITY ASSURANCE

A Manufacturer: Company specializing in walk-in morgue shop fabricated units with five years documented experience.

B. Operating Equipment: Conform to UL and CEC requirements.

C. Construction: Conform to NSF Standard 7. Affix NSF approval seal to each door jamb.

D. Regulatory Requirements

1. Conform to applicable Building Code for flame and fuel/smoke requirements.
2. Office of Statewide Health Planning and Development.
3. State Building Code

E. All submittals and installation shall be coordinated with applicable subcontractors and the State.

1.06 DELIVERY, STORAGE AND HANDING

A. Wrap and crate finished components and assemblies at factory to prevent damage or marring of surface during shipping and handling.

B. Do not deliver materials or assemblies to site until installation spaces are ready to receive unit.

C. Vendor shall schedule and coordinate all deliveries with the State.

1.07 COORDINATION

A. Coordinate with concrete work for placement of walk-in-refrigerator, plumbing and electrical service.

1.08 PRE-INSTALLATION CONFERENCE

A. Convene a pre-installation conference one week prior to commencing work. Installer's representatives shall attend.

1.09 WARRANTY

A. Provide one-year warranty on workmanship and parts.

B. Seven-year insulated panel warranty.

PART 2 – PRODUCTS

2.01 MANUFACTURERS

Products of the following manufacturer from the basis for design and quality intended.

A. Mortech Manufacturing Inc.

2.02 MATERIALS

A. Morgue Cooler: Redundant backup refrigeration systems required.

1. Description: A prefabricated walk-in refrigerated room capable of storing deceased bodies. Provide all necessary hardware, lighting and redundant refrigeration equipment for complete installation.

   a. Dimensions: 19'-0 x 18'-4 x 11'-0 - Verify dimensions in field prior to fabrication.
   b. Operating Temperature: 35 degrees F°.
   c. Interior walls & ceiling: 22 ga. Stainless steel type 304 #4 finish.
   d. Exposed exterior walls: 22 ga. Stainless steel, type 304 #4 finish.

e. Unexposed exterior walls & ceiling: 26 ga. Stucco-embossed galvanized steel.
f. Interior Floor: No insulated panel floor required on grade. Sealed concrete finish to be provided by the State under separate contract
g. Slope roof required for outside weather conditions.
h. Exterior Roof membrane Duro-last or equal as the approved manufacture.
i. Appropriate seal between walk-in refrigerator face and building exterior.
j. PE engineering and calculations required for winter snow load conditions by a licensed engineer in the state of the project.
k. Electric single sliding Door: R-Plus doors or equal as the approved manufacture
    1) 22 ga. Stainless steel, Type 304 #4 finish.
    2) Size: 96" Wide x 84" High.
    3) Perimeter heater, perimeter gaskets with sweep gasket on bottom edge.
    4) Control panel for programing functions for door operations.
    5) Push button switches to open and close door.
    6) Front and rear safety reverse pressure sensitive edge for safety hazard to personnel being trap by moving door.
    7) Safety release switch to prevent personnel entrapment.
    8) Door power requirement 208-220V/1PH/20A circuit with 110-120V/1PH/20A circuit to door heater.
l. Exterior Light switch with built-in alarm and digital temp readout.
m. Six (6) 48" LED vapor proof light fixtures.
n. One (1) foamed-in-place J-box on interior side of walk-in refrigerator for alarm temp sensor.
o. One (1) foamed-in-place J-box on interior side of walk-in refrigerator for BMS system to monitor temperature. BMS monitoring by others.
p. Matching wall trim enclosures.
q. Refrigeration backup Systems: Dual 100 percent backup systems to operate upon system failure.
r. Electrical: Load requirements to be provided in submittals. Electrical circuits must come from the same building electrical panel for the temperature alarm panel lead-lag controller and evaporator fan coils to share neutral on neutral bar of building electrical panel.

    1) Condensing unit (lead system) 208-230V/1PH dedicated circuit.
    2) Condensing unit (lag system) 208-230V/1PH dedicated circuit.
    3) Evaporator coil (lead system) 110-120V/1PH dedicated circuit. (Same building panel)
    4) Evaporator coil (lag system) 110-120V/1PH dedicated circuit. (Same building panel)
    5) Temperature alarm panel 110-120V/1PH dedicated circuit. (Same building panel)
    6) Lights and door heater 110-120V/1PH dedicated circuit.
    7) Electric sliding door 208-220V/1PH

PART 3 – EXECUTION

3.01 INSPECTION

A. Verify that surfaces, prepared openings, and roughed-in utilities are ready to receive work and opening dimensions are as indicated on shop drawings.

B. Beginning of installation means acceptance of existing conditions.

3.02 INSTALLATION

A. Vendor shall assemble and install work in accordance with manufacturer's instruction under the supervision of manufacturer's authorized technical representative.

B. Set wall panels bases, align to indicate areas.

C. Cut holes, install anchors, and seal room panels for plumbing, power, and lighting.

D. Assemble wall panels per manufacturer's instruction. Brace securely until ceiling panels are installed. Seal joints continuously at bases and floor.

E. Install ceiling panels: Lock into wall panels. Suspend ceiling panels by concealed support system, interior post and beams may be required if PE engineering requires for outdoor load conditions.

F. Install sill plate at door opening where indicated.

G. Hang insulated sliding door. Adjust to operate smoothly.

H. Locate each condensing unit as coordinated in field with the State. Support evaporator coil in room interior and make connections as required. Wire lights and door heaters. Pipe all required refrigerator lines and wiring, providing complete operational systems. Run condensate drain line to suitable drain location.

I. Seal joint and services through wall with sealant to provide moisture/condensation and vapor seal.

J. Walk-in refrigerator to be adjoined to building and properly sealed from weather conditions not limited to walls and ceiling of adjoining surfaces from building to walk-in refrigerator provided by others.

3.03 TESTING AND ADJUSTING

A. Test, clean and adjust equipment and apparatus installed to ensure performance will meet specified requirements.

B. Operate room and test full range of functions over a continuous 24-hour period, record results and submit to State for approval.

C. Adjust and re-test any portions not meeting requirements.

D. Shut off equipment and controls and lock doors to prevent operation or access by unauthorized person until start-up is authorized.

3.04 CLEANING

A. Remove masking-protection from stainless steel and other finished surfaces.

B. Wash and clean floor, walls and ceiling inside room and exposed surfaces on the outside as recommended by manufacturer. Clean fixtures and fittings.

3.05 DEMONSTRATION AND TRAINING.

A. Provide training to Owner's plant operation personnel in the operation, function and maintenance of cold room and its associated equipment. Approximately 1 to 2-hour session.

3.06 PROTECTION

A. Protect finish installation and surface from damage.

END SECTION

MORGUE EQUIPMENT

PART 1 GENERAL

1.01 SECTIONS INCLUDES

A. Furnish and install all autopsy and morgue equipment as specified.

1.02 DESCRIPTION OF WORK

B. Work included: Provide labor, tools, materials, equipment and services necessary to complete the work of this section in accordance with provisions of contract documents, including but not limited to the following:

1. Morgue Racks with Roller
2. Cadaver Body Trays
3. Hydraulic Self-propelled Lift
4. Cadaver Roller Pallet

1.03 SUBMITTALS

A. Product Data: Submit (1) electronic copy with description of equipment to include dimensions and construction, equipment capacities, utility and service requirements and locations, and weights, hardware, door and panel construction, accessories and materials.

B. Manufacturer's Installation Instructions: Submit (1) electronic copy of installation requirements.

C. Operation/Maintenance Data: Submit (1) electronic copy with description of equipment operation, adjusting, and testing required Identify system maintenance requirements, servicing cycles, and lubrication types required.

D. Warranty: Submit (1) electronic copy of Manufacturer's warranty information.

1.04 QUALITY ASSURANCE

A Manufacturer: Company specializing in manufacturing of morgue equipment with five years documented experience.

B. Operating Equipment: Conform to UL and CEC requirements.

C. All submittals and installation shall be coordinated with the General Contractor and applicable subcontractors.

1.05 DELIVERY, STORAGE AND HANDING

A. Wrap and crate finished components and assemblies at factory to prevent damage or marring of surface during shipping and handling.

B. Do not deliver materials or assemblies to site until installation spaces are ready to receive unit.

C. Vendor shall schedule and coordinate all deliveries with the State.

1.06 COORDINATION

A. Coordinate with Walk-in Cooler for placement of morgue racks and trays.

1.07 PRE-INSTALLATION CONFERENCE

A. Convene a pre-installation conference on week prior to commencing work. Installer's representatives shall attend.

1.08 WARRANTY

A. Provide one-year warranty on workmanship and parts.

PART 2 – PRODUCTS

2.01 MANUFACTURERS

Products of the following manufacturer from the basis for design and quality intended.

A. Mortech Manufacturing Inc.

2.02 MATERIALS

A. Model # 86129-5-30-27 Morgue Rack with Rollers with size and configuration modifications as shown in the drawings, by Mortech Manufacturing Company, Inc **or equal**. Features and Accessories:

a. Stainless Steel construction
b. Rack sized to work with body trays, hydraulic lift and roller pallet specified
c. One (1) tray bumper shall be located near rear
d. Please refer to drawings for sizing and clearances required
e. Ten (10) maintenance-free nylon rollers total per opening
f. Uprights 1-1/2" x .120" wall 304 SS, square tubing
g. Horizontal roller bars 1-1/2" x .083" wall 304 SS, square tubing
h. Connection angle 1-1/2" x 1-1/2" x 3/16" thick SS angle
i. Total roll cadaver system

B. Model # T3626HS-27 Stainless Steel Morgue Tray with hand slots sized and configured as shown in the drawings, by Mortech Manufacturing Company, Inc **or equal.** Features and Accessories:

a. 16-gauge stainless steel construction
b. All edges rolled and welded for extra strength
c. Inside corners finished smooth for easy cleaning
d. Tray sized to work with rack, hydraulic lift and roller pallet specified
e. Provided with no drain hole

C. Model # M678-SP Hydraulic Self-propelled Cadaver Lift with size and configuration as shown in the drawings, by Mortech Manufacturing Company, Inc **or equal**. Features and Accessories:

a. Finger-tip controls built into handle.
b. Load capacity 1,000 lbs.
c. Forks – 1'' thick x 3'' wide x 30'' long.
d. Steerable power-drive system to allow a single user to control forward and reverse movement.
e. Red emergency stop button.
f. Spring-loaded mechanism to ensure drive wheels maintain contact with floor.
g. Automatic emergency safety-switch to reverse direction if control post comes in contact with obstacle.
h. Two maintenance-free sealed batteries.
i. Cadaver Lift sized to work with rack, roller pallet and trays specified

D. Model # M600 Roller Pallet with size and configuration as shown in the drawings, by Mortech Manufacturing Company, Inc **or equal**. Features and Accessories:

a. All stainless-steel construction
b. 11-gauge tubing for heavy duty use
c. Ten (10) maintenance-free nylon rollers for easy transfer
d. Roller pallet sized to work with rack, cadaver lift and trays specified
e. Can be used from either end for loading and unloading
f. Flip style tray stops at each end with bumper protection
g. Total roll cadaver system

PART 3 – EXECUTION

3.01 INSPECTION

A. Verify that surfaces and prepared openings are ready to receive work and opening dimensions are as indicated on shop drawings.

B. Beginning of installation means acceptance of existing conditions.

3.02 INSTALLATION

A. Vendor shall assemble and install work in accordance with manufacturer's instruction under the supervision of manufacturer's authorized technical representative.

3.03 TESTING AND ADJUSTING

A. Test, clean and adjust equipment and apparatus installed to ensure performance will meet specified requirements.

3.04 CLEANING

A. Remove masking-protection from stainless steel and other finished surfaces.

B. Clean and wipe down all exposed and unexposed surfaces as recommended by manufacturer. Clean fixtures and fittings.

3.05 DEMONSTRATION AND TRAINING.

A. Successful bidder will provide three training sessions to owner's plant operation personnel in the operation, function and maintenance of morgue equipment. Approximately 1 to 2-hour session.

3.06 PROTECTION

A. Protect finish installation and surface from damage.

END SECTION

Contract Terms and Conditions

Table of Contents

Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

AWARD

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS.

DELIVERY PER AGENCY

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

RIVIP INFO - BID SUBMISSION REQUIREMENTS

It is the vendor's responsibility to check and download anyand all addenda from the RIVIP. Thisoffer may not be considered unless a signed RIVIP generated BidderCertification Cover Form is attached and the Unit Price column is completed.The signed Certification Cover Form should be attached to the front of theoffer. Each bid proposal must be submitted in a separate sealed envelope withthe bidder's name and address and the specific "Solicitation Number,""Solicitation Title," and the "Bid Proposal Submission Deadline" marked in theupper left-hand corner of the envelope.

The bid proposal must be delivered (via mail, messengerservice, or personal delivery) to the Division of Purchases and date-stampedreceipted by the date and time specified for the bid proposal submissiondeadline. Bidders should mail bid proposals sufficiently in advance of the bidproposal submission deadline to ensure timely delivery to the Division ofPurchases or, when delivering a bid proposal in person or by messenger, shouldallow additional time for parking and clearance through security checkpoints.Bid proposals must be addressed to:

Rhode Island Department of Administration

Division of Purchases, 2nd Floor

One Capitol Hill, Providence, RI 02908-5855

Bid proposals that are not received by the Division ofPurchases by the bid proposal submission deadline for whatever reason will bedeemed late and will not be considered. The submission time will be determinedby the time clock in the Division of Purchases. Postmarks will not be considered proof of timely submission.

Bid proposals in electronic format are not accepted at thistime.

At the bid proposal submission deadline, bid proposals willbe opened and read aloud in public.

DIVESTITURE OF INVESTMENTS IN IRAN REQUIREMENT:
No vendor engaged in investment activities in Iran as described in R.I. Gen. Laws §37-2.5-2(b) may submit a bid proposal to, or renew a contract with, the Division of Purchases. Each vendor submitting a bid proposal or entering into a renewal of a contract is required to certify that the vendor does not appear on the list maintained by the General Treasurer pursuant to R.I. Gen. Laws §37-2.5-3.

LICENSE NUMBER

In compliance with the requirements of Rhode Island General Law, Section 5-65-23, my Rhode Island license number for the work to be performed by this firm as prime contractor is:

LICENSE NUMBER:_____