

BID SOLICITATION



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

BID NUMBER: B01546

TITLE: ELEVATOR UPGRADE

BID OPENING DATE AND TIME:

10/28/2002 10:00 AM

BUYER: STEPHEN HARRIS
PHONE #: (401) 222 - 2142 ext. 127

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LABOR AND TRAINING
DLT BUSINESS AFFAIRS UNIT
BUILDING #69
1511 PONTIAC AVE
CRANSTON RI 02920

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LABOR AND TRAINING
DLT DONLEY REHAB CENTER
249 BLACKSTONE BLVD
PROVIDENCE RI 02906

Requisition Number(s): R73A021073

Item	Class-Item	Quantity	Unit	Unit Price	Total
	<p>VENDOR (OWNER OF COMPANY) IS RESPONSIBLE TO COMPLY WITH ALL LICENSING OR STATE PERMITS REQUIRED FOR THIS TYPE OF SERVICE. A COPY OF LICENSE/PERMIT SHOULD BE SUBMITTED WITH THIS BID. IN ADDITION TO THESE LICENSE REQUIREMENTS, BIDDER, BY SUBMISSION OF THIS BID, CERTIFIES THAT ANY/ALL WORK RELATED TO THIS BID, AND ANY SUBSEQUENT AWARD WHICH REQUIRES A RHODE ISLAND LICENSE(S), SHALL BE PERFORMED BY AN INDIVIDUAL(S) HOLDING A VALID RHODE ISLAND LICENSE.</p> <p>ALL VENDORS MUST INCLUDE SPECIFICATIONS WITH BID PROPOSAL (EVEN THOSE BIDDING BRAND SPECIFIED). FAILURE TO SUBMIT SPECIFICATIONS WITH BID PROPOSAL MAY RESULT IN DISQUALIFICATION OF BID. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED.</p> <p>NOTE WELL: ALL BIDDERS MUST WRITE BRAND AND COMPLETE, EXACT MODEL OF ALL ITEMS THEY ARE BIDDING - EVEN IF THE ITEM IS THE SAME AS SPECIFIED, AS WELL AS BRAND AND MODEL OF ALL ACCESSORIES/OPTIONS THAT ARE REQUIRED, IF ANY. FAILURE TO DO SO SUBJECTS THEIR BID TO DISQUALIFICATION.</p> <p>BIDDERS MUST INCLUDE WRITTEN, DETAILED EXPLANATION OF WARRANTY OR GUARANTEE TO BE PROVIDED.</p>				

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.

DELIVERY: _____

RIVIP VENDOR ID#: _____

TERMS OF PAYMENT: _____

**DO NOT SIGN BID ON THIS PAGE!
USE CERTIFICATION COVER FORM.**

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1.0	<p>EACH BIDDER MUST BE A MANUFACTURER OR STOCKING DISTRIBUTOR/DEALER AT THE TIME OF BID SUBMITTAL AND MUST MAINTAIN THAT STATUS FOR THE LIFE OF THE CONTRACT OR AWARD, BIDDER CANNOT BE A BROKER.</p> <p>910-13 UPGRADE ELEVATOR AT DONLEY CENTER TO MEET CURRENT OSHA CODES</p> <p>CONTACT PERSON: SANDRA LONGTIN (401) 243-1218</p>	1.00	JOB		
				TOTAL:	

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EMERGENCY PHONE

A telephone which enables communication between the persons in the elevator and a 24-hour answering service.

The phone will be mounted in a telephone box or surface mounted in the elevator cab. It will automatically dial a preprogrammed number and will inform the answering service of the elevator location via prerecorded digital voice communication. After disclosing the elevator location, the phone will allow two way voice communication. The phone contains two light-emitting diodes – one that indicates the call is in progress and another that indicates the call has been acknowledged. After receiving acknowledgment of the call from the answering service, a deaf/mute person can signal the answering service by reactivating the call button. The phone can be easily programmed and allows incoming calls to be received. The telephone will be furnished and installed in accordance with the ASME A17.1 Safety Code for Elevators and Escalators, and is registered with the FCC.

Work by Others:

A dedicated (non-PBX) touch-tone business telephone line terminated in the machine room must be provided.

LAMBDASM 3D ENTRANCE-PROTECTION DEVICE

A solid-state, infrared passenger protection device shall be installed on the car door. This device provides 36 infrared light beams that create an invisible net across the elevator entrance. In addition, LAMBDASM 3D adds a triangular coverage area to protect passengers approaching or exiting the landing door zone or entryway. The LAMBDA 3D system aims 12 additional infrared beams out into the entryway at a nominal 30 degree angle away from the direction of door travel. If these beams strike an object in the middle of the entryway, light reflects off the object into special photodiode receivers mounted on the opposite side of the entrance, which scan into the entryway at a nominal 30 degree angle. If the receivers detect enough light, a reversal signal is generated to open the doors. The maximum projection of these 12 additional beams at any time is one-third of the door opening width.

If any curtain beam is interrupted, LAMBDA 3D's door-reversal signal will cause the elevator doors to reopen instantly without touching the passenger. After a car stop is made, the door shall remain open for a predetermined interval before closing. If, while the door is closing, the matrix of invisible light beams is interrupted by a passenger entering or leaving the car, the door shall stop and reopen, after which the door shall again start to close.

Graceful degradation operation is also included. If one or two isolated beams (up to a maximum of 36 beams) are interrupted, LAMBDA 3D's door-reversal signal will cause the doors to reopen instantly. If the beams remain blocked for more than 80 seconds, the beams are considered permanently blocked. LAMBDA 3D then ignores these blockages and the detector will continue to operate as it would without any blockages.

If three or more adjacent beams are interrupted, LAMBDA 3D's door-reversal signal will cause the doors to reopen instantly. If they remain blocked for more than 80 seconds, they are considered permanently blocked. The doors will then either remain open indefinitely, go into nudging mode or remain open for a specified period of time, depending on local codes and the door operating system. The doors will remain in this mode until the blockage is corrected.

In some locations, additional work may be required when installing the Lambda 3D system to meet safety codes. Any work required to meet these codes that is not detailed above will be quoted as an addition to this contract.

FIREFIGHTERS' SERVICE OPERATION

We propose to furnish labor and material to provide you with the Firefighters Service Phase I and II on the subject elevators. This unit will be custom designed specifically for your elevators, to operate in accordance with the ASME/ANSI A17.1 -- 1987 Safety Code for Elevators and Escalators. It has been prepared for fast installation, reducing the inconvenience of out-of-service elevators.

PHASE I

Return to main landing from hall keyswitch or sensor, or alternate floor from main floor sensor.

- I. A three-position keyswitch marked BYPASS, OFF, ON shall be provided at a designated level of the elevator or each group of elevators. The key shall be removable only in the "ON" and "OFF" positions. When the keyswitch is in the "OFF" position, normal elevator service will be provided and the smoke detectors will be functional. When the keyswitch is in the "BYPASS" position, normal elevator service shall be restored and the smoke detectors made inoperative.

When the keyswitch is placed in the "ON" position:

- A. Elevators traveling away from the designated level shall reverse at or before the next available floor without opening their doors and proceed to the designated level without stopping for car or hall calls.
- B. Elevators having automatic, power-operated horizontal sliding doors standing at a floor other than the designated floor shall close their doors and proceed to the designated floor without stopping for car or hall calls.

Elevators having power-operated, vertical sliding doors with normal automatic closing operation shall have their closing sequence initiated and, after the doors are closed, the elevator shall proceed to the designated floor.

Elevators having power-operated doors with momentary-pressure or continuous-pressure closing operation or manual doors, shall receive the Phase I audio visual signal and the signal for service. After the doors are closed, the elevator shall proceed to the designated floor. Sequence operation, if provided, shall remain effective.

- C. Door reopening devices for power-operated doors, which are sensitive to smoke or flame shall be rendered inoperative. Mechanically actuated door reopening devices not sensitive to smoke or flame shall remain operative. Car door-open buttons shall remain operative, however, the door-open button will become inoperative once the car goes into motion and remains inoperative until the car arrives at the designated floor. A moving car traveling to or away from the designated floor shall have its door-open button rendered inoperative immediately. Door closing shall be normal, except doors whose reopening protective device have been rendered inoperative will close with reduced speed.
- D. All car and corridor call buttons shall be rendered inoperative and all call registered lights and directional lanterns shall be extinguished and remain inoperative.
- E. A car stopped at a floor shall have its in-car "Emergency Stop Switch" rendered inoperative from the time the doors are fully closed and the car starts to move until the car is removed from Phase I operation. A moving car, traveling to or away from the designated floor, shall have its "Emergency Stop Switch" rendered inoperative immediately. (If equipped with the "In-Car key-operated stop switch," it shall remain inoperative.)

- F. All cars shall be provided with a visual and audible signal system, which shall be activated to alert the passengers that the car is returning non-stop to the designated floor. The signal shall remain activated until the car has returned to the designated floor. When the alert signal is given on elevators operated by attendant, the attendant shall close the doors and, once closed, the elevator shall proceed to the designated floor without stopping for car or hall calls.

If the doors are not closed by the attendant between the time period of 15 seconds to 60 seconds, the doors will close automatically as per Phase I operation and the elevator will proceed to the designated floor.

Hospital elevators, in most cases, shall conform to the requirements that the attendant must close the doors before the elevator proceeds to the designated floor.

Elevators operable only by a designated attendant in the car (car-switch operation) shall be provided with the Phase I audio visual signal in the car to alert the attendant to close the doors and return non-stop to the designated floor. The signal shall be activated by the Phase I switch or the smoke detector when either is activated.

Elevators on inspection will be given the alert signal from within the car. The car shall remain under the control of the inspection operation.

- G. The elevators may be restored to normal operation by turning the lobby switch to the "OFF" position.

II. Smoke Detectors (provided by others, not Otis)

Smoke detectors shall be installed in each elevator lobby at each floor and associated elevator machine rooms according to NFPA No. 72E, Automatic Fire Detectors, Chapter 4. Activating a smoke detector in any elevator lobby, or associated elevator machine rooms other than the designated floor, shall cause all cars in all groups that serve that lobby to return non-stop to the designated floor. If the smoke detector at the designated floor is activated, the cars shall return to an alternate floor approved by the enforcing authority unless the Phase I key operated switch is in the "ON" position. When the Phase I service is in the "BYPASS" position, normal elevator service shall be restored independent of the smoke detectors. (Vendor will provide terminals in the machine room to receive sensor signals.) Smoke detectors and/or smoke detector systems shall not be self-resetting.

PHASE II (In-Car Operation by Emergency Personnel)

A three-position (OFF, HOLD and ON in that order) keyswitch shall be provided in or adjacent to an operating panel in each car and shall be made operational only when the main floor hall key-operated switch is in the ON position or a sensor has been activated, and the car is at the main floor or other approved floor. The "OFF" - "HOLD" - "ON" positions shall not change the operation until a car is at a floor with the doors fully open. This switch, when in the "ON" position, shall initiate the following special service:

It will place the elevator on the Phase II in-car operation:

- a. The elevator shall be operable only by a person in the car.
- b. Elevators shall not respond to elevator hall calls.
- c. Operation shall be initiated by registering one or more car calls in the car. The doors are closed by the constant pressure of the "DOOR CLOSE" button. Release of the "DOOR CLOSE" button before doors are completely closed shall allow the doors to immediately reopen. Once the doors are closed and a car call is registered, the car will travel to the call registered floor.

When shutdown is initiated, all car calls shall be reset.

- d. Once the car has gone into motion, the car shall travel to the car-call floor and stop with doors closed. Doors shall open by constant pressure of the "DOOR OPEN" button, the doors will reclose immediately if pressure is released. Once fully opened, doors shall remain open until closing is initiated per (c) above.
- e. When the Phase II switch is in the "HOLD" position, the car shall remain at the floor with its doors open and the door-close buttons inoperative.
- f. Car calls operated in error shall be reset by momentary pressure on the "CALL CANCEL" button.
- g. When the Phase II switch is in the "OFF" position, and the elevator is not at the designated or alternate floor, and Phase I operation activated, the doors will close and the car shall return non-stop to the designated or alternate floor and the doors shall open and remain open. The car will be placed on Phase I mode after the doors are completely open, and the in-car Phase II keyswitch remains in the "OFF" position.

During automatic return to designated floor, the following applies:

- 1. Door reopening devices for power-operated doors that are sensitive to smoke or flame shall be rendered inoperative. Mechanically actuated door-reopening devices not sensitive to smoke or flame shall remain operative.
 - 2. Door closing shall be normal, except doors whose only reopening protective device has been rendered inoperative, will close at reduced speed.
 - 3. Door open button shall remain operative.
 - 4. In-car Emergency stop button shall remain inoperative. (If equipped with the "in-car key-operated stop switch," it will remain inoperative.)
 - 5. On power-operated vertical sliding doors, the hall door close button shall remain operative on Phase II to allow the doors to be closed by constant pressure for this operation.
 - 6. When the Phase II keyswitch is placed in the "OFF" position and the elevator is not at the designated or alternate floor and the Phase I hall keyswitch is in the "OFF" position, and/or the smoke detectors have been reset, the car will remain at the floor with its doors open. The car can be taken off Phase II by again placing the Phase II key switch in the "ON" position and returning the car to the designated or alternate floor.
- h. Elevator shall be removed from Phase II operation only by placing the in-car Phase II keyswitch in the "OFF" position with the elevator at the designated floor regardless of the position of the hall keyswitch or sensor.

WIRING

All wiring and electrical connections shall comply with the governing codes. Insulated wiring shall have flame-retardant and moisture-proof outer covering, and shall be in conduit, tubing or electrical wireways. Traveling cables shall be flexible and suitably suspended to relieve strain on individual conductors.

CODE

The elevator equipment shall be furnished and installed according to ASME/ANSI A17.1 Safety Code for Elevators and Escalators, an American National Standard.