

October 28, 2009

**BOARD OF COUNTY COMMISSIONERS
POLK COUNTY, FLORIDA**

**ADDENDUM #2
RFP #10-015-CJC**

ELEVATOR MODERNIZATION

This addendum is issued to clarify, add to, revise and/or delete items of the Contract Documents for this work. This Addendum is a part of the Contract Documents and acknowledgment of its receipt shall be noted on the Addendum.

Questions and Answers from Mandatory Pre-Bid Meeting.

Revised Technical Specifications, Section I: Operation.

Carolyn Cusano

Carolyn Cusano
Contract Specialist
Purchasing Division

**This Addendum sheet must be signed and returned to the
Purchasing Division at
863-534-0055. This is the only acknowledgment required.**

Signature: _____

Printed Name: _____

Title: _____

Company: _____

ADDENDUM #2

RFP #10-015-CJC

ELEVATOR MODERNIZATION

Question 1: Can work be performed after hours?

Answer: Work hours, as stated in the RFP package on page 5, Hours of Work, will be between the hours of 7:00 a. m. and 5:00 p. m. Monday to Friday. Work on weekends, nights, and holidays must be scheduled in advance with a Facilities Management representative. Keeping the work schedule during normal working hours should keep labor cost down without paying special pay rates for shift differential and overtime. Unless a price guarantee is given that no additional charges will be placed on the contract for nights and weekend work.

Question 2: Is this limited to certain equipment manufacturers?

Answer: Yes, we will be limiting manufacture equipment to ThyssenKrupp, Otis, KONE, Oracle, and Mowery. (See Revised Technical Specifications, Section I: Operation)

Question 3: Is this strictly modernization or is on-going maintenance to be provided?

Answer: The elevator Contractor shall furnish full maintenance and call back service any time of day or night on the modernized passenger elevators for a period of one year, starting with the completion of each passenger elevator when all work is completed, and final State inspection is completed.

Question 4: Will financial information be requested?

Answer: Yes, a company financial statement will need to be provided.

Question 5: Are all the units operational today?

Answer: Yes, the entire elevator cars are operational.

Question 6: How will the order of work be scheduled? Will the judge's elevators be done first?

Answer: The judge's elevator car will be first, along with one of the main elevator cars.

Question 7: Will company uniforms be required?

Answer: In order to gain access into the courthouse, the craftsman will either have a company uniform or ID card on.

Question 8: What is the address of the site?

Answer: The courthouse has two addresses, 220 West Church Street or 255 N. Broadway Bartow, Florida 33830. Either address is accepted.

Question 9: Who is required to provide the inspections?

Answer: The company awarded the contract will have to supply a third party inspector at their cost.

Question 10: Are there any plans?

Answer: No.

Question 11: Will work by 'Others' be provided by Polk County?

Answer: This project will be a turn-key.

Question 12: Who will provide smoke detectors?

Answer: Simplex Grinnell is our current provider for fire protection. We will supply telephone numbers to reach necessary personnel within the company.

Question 13: What is the completion time?

Answer: We would require the project done within 48 weeks of materials being delivered.

Question 14: What about lead time to order materials?

Answer: Lead time will be allowed for materials within reason.

Question 15: Who wrote the specifications?

Answer: The Building Superintendent for the courthouse.

Revised Technical Specifications, Section I: Operation

TECHNICAL SPECIFICATIONS

Section I: Operation

Equipment Manufacturers

Polk County will accept equipment provided from the following manufacturers: ThyssenKrupp, Otis, KONE, Oracle, or Mowery.

Drive System

To provide Polk County with a new energy efficient and updated computerized Solid-State Direct Motor Drive or Variable Voltage Variable Frequency Elevator Control System.

Operation

Change the present control system to a Microprocessor control.

Controller

A microcomputer-base control system shall be provided to perform all of the functions of the elevator motion and elevator door control. This shall include all of the hardware required to connect, transfer and interrupt power; and protect the motor against overloading. This system shall also perform car operational control.

Each control cabinet containing memory equipment shall be properly shielded from line interference. The microcomputer system shall be designed to accept reprogramming with minimal interruption.

Operation-Group Control Elevators (1, 2, 3, 4, 5, and 6)

The group supervisory operation will be embedded within selected car controllers. The microprocessor shall constantly scan the system for hall calls. When hall calls are registered, the control system shall instantly calculate the estimated time of arrival, number of floors to travel from current position; the time it takes to travel one floor at top speed calls assigned to cars and reversal time to respond to a call in the opposite direction of travel. An internal constant shall be set, requiring a maximum time for a car to respond to a call. When a car's status changes or additional hall calls are registered, the estimated time of arrival shall be recalculated and calls reassigned if necessary. The microprocessor shall provide flexibility to meet well define patterns of traffic, including peak, down peak, and heavy inter floor demands, and adjust accordingly for the variations in these patterns that occur. Fuzzy logic shall be an integral part of the group system software. The enhanced fuzzy logic will optimize the inter floor traffic performance. Inputs for the fuzzy logic shall include accurate passenger load from an electronic load calculation system, probable car calls generated from hall calls, type of observed traffic patterns. Cars will be provided a predetermined park location when no calls are registered. If for any reason the doors are prevented from closing and the car is unable to respond to a call, the call shall be transferred to another car. When the Independent Service switch in the car is actuated, the elevator shall be disconnected from the hall buttons and operated independently from the buttons only.

Early Car Announcement

In responding to a hall call, the microcomputer will determine which elevator car is to respond. In concert with the assignment, the system will provide notification to the person of which elevator will be responding to their request by illuminating the corresponding directional hall lamp and sounding the assignment tone. The present system flashes and sounds a tone upon its arrival, white light for up, red for the down call.

Peak Operating Times

When incoming up-peak traffic at the lobby increases, when two or more cars leave the lobby the cars will change operation to pick up on the increased loads and operation.

Power Supply

The building power is 480 volts, 3 phase, 60 hertz, alternating current; new equipment must utilize this power configuration.

Duty

The present capacity and speed of the elevators shall be retained.

6 Main elevators at a 3500 pound capacity, with 500 feet per minute speed.

1 Judges Elevator at a 3500 pound capacity, with 350 feet per minute speed.

Travel

The present car travel shall be retained.

5 elevator cars from floor to floor 1 to 9 rise per floor approximately 100 feet.

2 elevator cars from floor to floor 1 to 11 rise per floor approximately 115 feet.

Stops and Openings

All present car stops and openings shall be retained.

5 elevator cars number of stops 9 number of openings 9.

2 elevator cars number of stops 11 number of openings 11.