



## Florida Department of Transportation

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SECRETARY

April 3, 2009

To: Prospective Bidders and Plan Holders

**Addendum No: 1, E2N49, FINANCIAL PROJECT NO.: 41801235201, 40474475201, 21386145201, & 42398815201  
District Wide Security Upgrades: St. Augustine, Gainesville, Jacksonville Testing Lab -Trout  
River and Live Oak sub-yard**

### **QUESTIONS FROM 3/17/09 MANDATORY PRE-BID MEETING:**

Please provide information on the security badges.

***ANSWER: HID badges, S/O 11377580-1, Job 11377580-01A, Part Number 1386LCGMN-1011A, Format C10001, Facility Code 1412, Issue Level 0. Supplied by HID Corporation, 333 State Street, North Haven, CT 06473, 1-800-243-2563.***

How many cars per day per site?

***ANSWER: St. Augustine – Gate(s) will remain open during normal business hours. After hours usage is estimated at 100 vehicles per day maximum.  
Gainesville – Gate will remain open during normal business hours. After hours usage is estimated at 100 vehicles per day maximum.  
Jacksonville (Trout River) Materials – Gate will remain closed at all times. Estimated daily vehicle traffic is 100.  
Live Oak - Gate will remain open during beginning and end of day hours to accommodate high traffic periods. Usage during other times is estimated at 100 vehicles per day.***

Are key pads required?

***ANSWER: Key pads and card readers are required at each gate. Key pads are not required at building doors.***

Are high and low card readers required at the gates to provide easy access for both trucks and cars? If required, at what locations?

***ANSWER: Yes, please include both high and low card readers and key pads at the following gates: St. Augustine (North Gate Only), Gainesville and Live Oak.***

**OTHER QUESTIONS SUBMITTED:**

Do you want door contacts on the card reader doors to show door status, and prevent forced door alarms? (recommended)

***ANSWER: Yes***

Please clarify that the emergency exit buttons listed on pg. 2 of the Scope of Services are to be pneumatic time delay request-to-exit buttons on the card reader doors. Life Safety Code 101 specifies that emergency exit buttons are to have a 30 second hold-open delay after energizing of the button.

***ANSWER: I am not familiar with the pneumatic buttons; however, the exit buttons are required to de-energize the mag locks to allow emergency exit. If a 30 second hold-open delay is needed per code, the system will have to be programmed to accommodate that requirement.***

The spec calls for a 16 channel DVR with 1.6Tb hard drive at the St. Augustine facility. Is 1.5Tb acceptable?

***ANSWER: Yes, 1.5Tb is acceptable.***

Some of the doors to be equipped with card readers are better suited for electric strikes than mag locks, due to existing crash bars which mechanically latch the doors. Are both electric strikes and mag locks acceptable, whichever is best suited for the type of door?

***ANSWER: Yes***

For the St. Augustine Maintenance yard, please verify whether complete conduit is required in the open bay areas of the warehouse and vehicle shop, or 10' or 20' stub-ups.

***ANSWER: Complete conduit is required in the open bay areas.***

Please clarify that stub-ups to ceiling tile is okay in office areas

***ANSWER: Stub-up above ceiling is acceptable.***

Please clarify whether on block walls in office areas if exposed conduit is acceptable, or wire mould is required.

***ANSWER: Exposed conduit is acceptable.***

Trout River has no battery backup on the mag lock power supply. Please verify whether you want battery backup. (recommended)

***ANSWER: Do not include this as part of your base bid. Please include the cost of a battery back-up for this location as Alternate #5.***

For underground conduit, is driveway cut and patch acceptable, or do you want horizontal bore? Also may we assume that the underground conduit deduct would also include a deduct for any necessary cut and patch work, horiz. bore work, sidewalk work, etc?

***ANSWER: Yes, driveway cut and patch is acceptable. If the alternate is accepted for the owner to install underground conduit, all cut and patch work will be done by the owner.***

For all underground cable runs in conduit, do you want direct-burial rated outdoor cable? (recommended)

***ANSWER: Yes***

Will FDOT furnish locates of existing electrical, water, sprinkler lines, underground utilities/hazards, or is it the responsibility of the bidder?

***ANSWER: The contractor will be responsible for contacting Sunshine One-Call for locates if they install the conduit. The owner will provide any utility records that are available for the facilities but the contractor will be responsible for all locates.***

Jacksonville Materials Lab: Do you want the opening to be split into two gate leaves to accommodate existing fence constraints? (recommended)

***ANSWER: A single slide gate is specified and preferred. If a different gate configuration is proposed it shall be included as part of the base bid.***

Live Oak: The gate opening needs to be relocated approx. 4' inside existing fence line to get proper clearance for the new slide gate around the existing wooden light pole. To do this you would need approx. 32' of new fence to match existing. Do you want this to be figured into the bid?

***ANSWER: If required, it shall be included as part of the base bid.***

Also at Live Oak, please confirm per site walkthrough that all required finish grade leveling for proper bottom clearances for the gate will be by FDOT.

***ANSWER: If site grading is required at the Live Oak yard it will be completed by the owner (FDOT).***

Gainesville: Overall length of gate is 49' (33' opening + 16' counterbalance) This will take approx. 40 seconds to fully cycle open or closed, and will be difficult to manually open or close when necessary. Suggest that opening be relocated to island and split into single entry and single exit with required controls. Approx. 80' of new fence to match will be required. Please advise.

***ANSWER: A single slide gate is specified and preferred. If a different gate configuration is proposed it shall be included as part of the base bid.***

St. Augustine North entrance: Overall length of gate is 61 ½' (41' opening + 20 ½' counterbalance). Do you want that opening to be split in half, with required controls?

***ANSWER: A single slide gate is specified and preferred. If a different gate configuration is proposed it shall be included as part of the base bid.***

Alt. #2: Overall length of gate is 76 ½' (51' opening + 25 ½' counterbalance). Suggest opening be split in half with the entry side being relocated approx. 12'-15' inside of existing perimeter fence to allow vehicles to safely pull off the road. Exit gate should be installed along existing fence line. Approx. 24'-30' of new fence to match is required. Please advise.

***ANSWER: A single slide gate is specified and preferred. If a different gate configuration is proposed it shall be included as part of the alternate bid.***

No mention of emergency vehicle access is addressed. Do you want a Fire Dept. Knox box or SOS (Siren Operated Sensor) at each gate entrance, whichever is preferred by the local fire department?

***ANSWER: Yes, a Fire Department Knox box shall be installed at each gate and the keypad shall have an emergency key override capability. Keys to be provide by the contractor.***

The spec does not address power loss contingency plans. We would recommend an emergency walk-thru gate with card reader, and/or battery backup for the gate operators at locations that don't have emergency generator backup. Please advise.

***ANSWER: These features are not to be included in this bid.***

Pedestrian traffic is not addressed in the operational safety of gate operations. Do you want hi/lo safety beams (with transmitter/receiver in lieu of reflector) at each motorized gate? (recommended)

***ANSWER: Each gate shall have some type of safety mechanism installed to prevent the gate from inadvertently closing on vehicles or pedestrians.***

For the CCTV and access control cabling inside the buildings above ceiling tiles, do you require Plenum-rated cable or PVC jacket?

***ANSWER: Building HVAC systems have ducted returns; therefore, plenum-rated cables will not be required.***

We understand that for Live Oak, there is no network connection, only telephone. For the other 3 sites, will FDOT provide a network drop as required, for the access control panels and digital recorders? If so, within how many feet of our equipment?

***ANSWER: Yes, FDOT will provide network drops and IP address for each site. The control panels and DVRs are to be installed in the server rooms. The equipment you install should be within ten feet (10') of the drops depending on the mounting location within each room.***

Is conduit or plenum grade wire required for low voltage wiring above ceilings in any of the sites?

***ANSWER: No***

What are the exact locations for cameras at all sites?

***ANSWER: At St. Augustine the cameras are to be mounted under the building overhangs or on the building walls at the locations indicated on the site drawing. In Gainesville the camera is to be mounted inside the front entrance gate to provide coverage of entering and exiting vehicles. The exact location is to be determined by the contractor and may require the installation of a mounting pole if an existing suitable mounting location is not available***

Although the disc capacity is specified for each location, different recording systems have different compression methods. Is there a specific number of days of data to be maintained on disc and at what resolution and how many images per second?

**ANSWER: Thirty (30) days of storage with 4CIF, 240 ips and 2CIF, 480 ips (resolution and images per second, respectively).**

Would an IP based CCTV system with a central storage system capable of providing the required number of days of storage at the required number of images per second be an acceptable alternative?

**ANSWER: The scope of services calls for the video system to be network capable. The owner will provide the required IP address for each site. The DVRs are the intended storage devices at the individual sites and their cost should be included in the base bid. The owner is open to considering other alternates with the successful bidder after the contract is awarded.**

You must sign, date and fax a copy of this addendum back to me by close of business today to indicate receipt. A copy of this addendum must be returned with your bid.

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Company Name

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Signature

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Date

Thanks,

Patsy Elkins  
Contracts Coordinator  
Phone: 386-758-3703  
Fax: 386-758-3791