COBB COUNTY
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION

Mableton Parkway Pedestrian Improvements
Project No. X2762
August 5, 2020

ADDENDUM NO. 1

BIDS WILL BE RECEIVED UNTIL August 13, 2020 – 12:00 Noon Local Time

The following addendum hereby amends and/or modifies the Bid Documents and Contract Specifications as issued for this project. All bidders are subject to the provisions of this Addendum. **Bidders shall acknowledge receipt of this addendum.**

Electronic bids will be received via Bid Express at [www.bidexpress.com](http://www.bidexpress.com) on behalf of the Cobb County Board of Commissioners, until 12:00 noon, August 13, 2020. **NO BIDS WILL BE ACCEPTED AFTER THE 12:00 NOON DEADLINE.** No submitted bid may be withdrawn after the scheduled bid opening for a period of ninety (90) days.

All bids shall be accompanied by an Electronic Bid Bond via Bid Express a Paper Bid Bond, or a Certified Check delivered in a sealed envelope, indicating the project name and project number, to Cobb County Purchasing Department, 122 Waddell Street, Marietta, Georgia 30060, BEFORE THE 12:00 NOON DEADLINE. Bid Bond shall be drawn in favor of the Board of Commissioners, Cobb County, Georgia, in the amount of five percent (5%) of the bid for the complete work.

**NOTE:** Addenda and plan holder lists, will be posted online at the following websites:
Cobb County Purchasing
[https://www.cobbeccounty.org/purchasing](https://www.cobbeccounty.org/purchasing)
Cobb County DOT
Bid Express
[www.bidexpress.com](http://www.bidexpress.com)

**Receipt of addenda must be acknowledged online at [www.bidexpress.com](http://www.bidexpress.com).** It is the bidder’s ultimate responsibility to ensure that they have all applicable addenda prior to bid submittal and to utilize the latest bid schedule.

Proposals may be rejected if any of the Unit Prices are obviously unbalanced. The County will decide whether any Unit Prices are unbalanced either excessively above or below a reasonable cost analysis value determined by the Engineer, particularly if these unbalanced amounts are substantial and contrary to the interest on the County.

In an effort to meet Title VI requirements, contractors are encouraged to fill out the form in the bid package. This is strictly voluntary. Please place form in a separate envelope and deliver to Cobb County Purchasing Department.
I. MINUTES OF PREBID CONFERENCE HELD ON AUGUST 4, 2020 ARE ATTACHED.

II. REVISED SPECIFICATIONS...

Specification 153 Field Engineers Office has been revised

III. QUESTIONS/ANSWERS

Q. The schedule of items has pay item "937-6050 INT VIDEO DETECTION SYSTEM ASSY TP A 12 EA" but the summary of quantities drawing# 09-002 and traffic signal plans has pay item "937-6000 MICROWAVE RADAR DETECTION ASSEMBLY 10 EA." Please clarify which device is to be used for detection and the quantity of the device.

A. Bid Schedule is correct. Please provide 937-6050 INT VIDEO DETECTION SYSTEM ASSY TP A, 12 EA

Q. The schedule of items has pay item "937-8030 TESTING - INTERSECTION VIDEO DETECTION" but the summary of quantities drawing# 09-002 and the traffic signal plan has pay item "937-8020 TESTING - MICROWAVE DETECTION SYSTEM". Please clarify which is correct.

A. Bid Schedule is correct. 937-8030 TESTING – INTERSECTION VIDEO DETECTION is required.

Q. The schedule of items does not have pay item “939-1377 3G/4G CELL ROUTER MODEM” but the summary of quantities drawing# 09-002 and the traffic signal plan has pay item “939-1377 3G/4G CELL ROUTER MODEM”. Please clarify which is correct.

A. A 3G/4G CELL ROUTER MODEM is NOT required for the project. Disregard Summary of Quantities.

Q. Can the County please confirm if you would like to use Microwave Radar Units or IVDS for detection for this project. The plans show using Microwave radar but the Bid items state to use IVDS.

A. Bid Schedule is correct. The detection for the project shall be IVDS.

Q. Can the County please Confirm that the Mast arm Poles are being provided by the county. The only mention the poles are being provided is in the Bid Items. Will the poles be delivered to the Job Site or will the Contractor be required to pick them up from Cobb County.

A. Yes, the 3 poles, mast arms, and anchor bolts required for the signal at Mableton Pkwy and Factory Shoals Rd are being provided by the County. The material has been delivered and is on site now at Cobb DOT located at 1890 County Services Pkwy in Marietta. Contractor will be required to pick up the materials from Cobb DOT.
III. QUESTIONS/ANSWERS (Continued)

At all other locations on the project, the signal pole and mast arms are to be furnished by the Contractor.

Q. Where are the furnished mast arm poles being stored the County?

A. The signal material that is being provided by the County for the Mableton Pkwy at Factory Shoals Road is currently located at Cobb DOT located at 1890 County Services Parkway in Marietta.

Q. Is DBE participation mandatory to submit? If yes, Please provide required DBE %age participation

A. DBE participation is strongly encouraged. The DBE participation goal for FTA assisted projects is 7%. The Bid Opportunity List is required to be submitted.

Q. I understand only the lower bidder has to submit a Letter of Intent of DBE participants, but it does not require at bidding time, is it correct?

A. No, ALL BIDDERS ARE REQUIRED TO SUBMIT LETTER OF INTENT OF DBE PARTICIPANTS. The Notice to Contractors in the solicitation document states the DBE Letter of Intent is to be submitted with the bid (see below).

Subject to other applicable provisions herein, bids or proposals will be considered incomplete and ineligible to receive a contract award unless the following forms (copies are part of bid) are completed and submitted with bid:

1. Bid Proposal Principals and Bid Proposal
2. Bid Bond and Signature for Bid Bond
3. Contractor Affidavit and Agreement [Exhibit A] / Exhibit A Signature Block
4. Certification of Drug Free Workplace
5. Non-Segregated Declaration
6. Non-Collusion Declaration and Non-Collusion Declaration Signature Block
7. Bid Opportunity List
8. Federal Clauses
   • Certification of Compliance with Required Federal Clauses
   • Buy America Certification
   • DBE Participation Schedule
   • DBE Letter of Intent
   • Government-wide Debarment and Suspension
   • Lobbying Restrictions
9. Bid Schedule of Items and Signature for Bid Schedule of Items

FAILURE TO COMPLETE REQUIRED FIELDS WITHIN THE BID MEANS BID IS INCOMPLETE, NONRESPONSIVE AND WILL BE DISQUALIFIED.
III. QUESTIONS/ANSWERS (Continued)

Q. Can the DBE requirement of 7% be revised to include roadway items only, excluding Cobb County Water System Improvements?

A. No, Cobb County has established the 7% race-neutral goal for all FTA assisted projects, and DBE participation is encouraged in all work (pay items) associated with this project.

Q. Can the Contract allowance of $250,000 be reduced to help lower the 7% DBE requirement?

A. No. DBE participation is encouraged in all work (pay items) associated with this project.

Q. The Field Engineers Office Pay Item has a quantity of 36 mo.
   a) The contract completion date is 730 Cal Days (24 mo). Should the quantity be changed to 24 mo?
   b) Typically, this is a Lump Sum item. Should the unit of measure be changed to LS?

A. The unit of measure is Months. The Field Engineers Office pay item quantity reflects contract administrative time and shall not exceed 36 months.

Q. The specification for Field Engineers Office requires 3 each computers, is this number correct?

A. Yes, that number is correct.

Q. The Contract states that it will not expire for 1095 Cal Days from NTP. Can you please clarify why 1 extra year is included in the contract?

A. As discussed in the Pre-Bid conference, the additional time is to allow for all Administrative processes to be completed. Administrative processes include, but is not limited to completion of all punch list work, compilation of all required material certifications and Buy America requirements, review of all Davis Bacon reporting, final quantity review and final affidavits.

Q. The County has procured and is providing the signal poles and mast arms for 1 of the locations (Mableton Pkwy at Factory Shoals Road) and is requiring that the signal be in operation within 90 days. Does this 90 days include sufficient review time by the County for the other signal material submittals?

A. Preparation and review of signal material shop drawings can begin prior to issuance of NTP. Administrative NTP will be issued if necessary.
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Mableton Parkway Pedestrian Improvements
Project No. X2762
August 5, 2020
Page 5

Judy Skeel, P.E.
Construction Engineer

cc:  Electronic copies:
Cobb County Purchasing  David Muller, CCDOT Utility Coordinator
Erica Parish, CCDOT  Andy Rikard, CCDOT Utility Coordinator
Michael Francis CCDOT  Dyan Merced, CCDOT Engineering
Russ Ford, CCDOT, Engineering  Denise Hatabian, CCDOT Construction
Brook Martin, CCDOT Operations  Jane Stricklin, CCDOT, Operations
Wade Kelly, CCDOT Construction  Brian Loudermilk, CCDOT Engineering
Adam Lewis, CCDOT Construction  Kelly Patrick, CCDOT Operations
Files

Attachments:  Prebid Minutes
Prebid Meeting Sign In Sheet
DBE Participation Presentation
Revised Specification 153 Field Engineers Office
Mableton Parkway Pedestrian Improvements
Project No. X2762
PREBID CONFERENCE
Bid Date:
August 13, 2020 – 12:00 Noon Local Time

DATE: August 4, 2020

ATTENDEES: All participants were asked to sign in or if attending virtually, to send an email to purchasing@cobbcounty.org noting their attendance via Webex.

MEETING MINUTES:

(1) This is the Prebid Conference for Cobb DOT Project No. X2762, Mableton Parkway Pedestrian Improvements. Electronic bids will be received via Bid Express at www.bidexpress.com on behalf of the Cobb County Board of Commissioners, until 12:00 noon on August 13, 2020. NO BIDS WILL BE ACCEPTED AFTER THE 12:00 NOON DEADLINE. Those received late will be unopened. No submitted bid may be withdrawn after the scheduled bid opening time for a period of ninety (90) days.

The bids will be publicly opened and read aloud at 2:00 p.m. on August 13, 2020, at the Cobb County Purchasing Department, 122 Waddell Street, Marietta, GA, 30060.

All bids shall be accompanied by an Electronic Bid Bond via Bid Express a Paper Bid Bond, or a Certified Check delivered in a sealed envelope, indicating the project name and project number, to Cobb County Purchasing Department, 122 Waddell Street, Marietta, Georgia 30060, BEFORE THE 12:00 NOON DEADLINE. Bid Bond shall be drawn in favor of the Board of Commissioners, Cobb County, Georgia, in the amount of five percent (5%) of the bid for the complete work.

NOTE: Addenda and plan holder lists will be posted online at the following websites:
Cobb County Purchasing
https://www.cobbcounty.org/purchasing
Cobb County DOT
https://www.cobbcounty.org/transportation/projects/bids-and-rfps
Bid Express
www.bidexpress.com

Receipt of addenda must be acknowledged online at www.bidexpress.com. It is the bidder’s ultimate responsibility to ensure that they have all applicable addenda prior to bid submittal and to utilize the latest bid schedule.

Proposals may be rejected if any of the Unit Prices are obviously unbalanced. The County will decide whether any Unit Prices are unbalanced either excessively above or below a reasonable cost analysis value determined by the Engineer, particularly if these unbalanced amounts are substantial and contrary to the interest on the County.

DO NOT DELIVER BIDS TO COBB DEPARTMENT OF TRANSPORTATION.

Minutes of this meeting and any revisions will be issued as Addendum No. 1.

CCDOT will update web sites and social media on a weekly basis based on information provided by the contractor. It will be the requirement of the contractor to coordinate all work occurring within the project limits including utility companies, sub-contractors, etc. for a comprehensive look to the week and weeks ahead with Cobb County through a Friday morning email report. Any and all costs to conform to this requirement shall be included in the cost bid for other items.
(2) Project Description:

The project includes construction of 10-foot wide trail with curb and gutter on the west side of Mableton Parkway and a 5-foot wide sidewalk on the east side, from Factory Shoals Road to Discovery Boulevard. Traffic signal upgrades are also included at signalized intersections within the project limits. The total length of the project is approximately 2.4 miles.

The time allowed for performance of the project will be 730 days from the issuance of Notice to Proceed. Liquidated damages of $1,000.00 per consecutive calendar day shall be assessed for failure to complete the project within the specified time frames.

An interim completion date for the new traffic signal at Mableton Parkway at Factory Shoals Road has been established. The new traffic signal at Mableton Parkway and Factory Shoals Road shall be completed and in full operation within Ninety (90) calendar days from issuance of Notice to Proceed. The 90-day time period includes the required 30-day burn. Liquidated damages of $2,000.00 per consecutive calendar day shall be assessed for failure to complete the traffic signal within the 90 days.

Cobb County Water System work is involved on this project. Only contractors or sub-contractors who have been prequalified with Cobb County Water System are allowed to perform water and sewer relocation work associated with this project. Bidders or their water/sewer subcontractor are required to have a State of Georgia Utility Contractor License.

Davis-Bacon Wage Rates apply to this contract.

Contract completion date will be 1095 calendar days from the issuance of Notice to Proceed to allow for administrative process to be completed.

(3) Bid Proposal and Contract Documents:

A Notice of Intent is required on this project.

The Contractor must meet the current bid requirements of the Georgia Department of Transportation.

The Cobb County, Georgia, Department of Transportation in accordance with Title VI of the Civil Rights Act of 1964 and 78 Stat. 252, 42 USC 2000d—42 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, part 21, Nondiscrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex, national origin, disability, or age in consideration for an award.

The Contractor and their subcontractors are required to be in compliance with the "Georgia Security and Immigration Compliance Act." The Contractor must execute and submit at the time of the bid the "Contractor Affidavit and Agreement," or bid will be determined non-responsive and will be disqualified.

Failure to comply with any of the requirements and procedures of the County (i.e., failure to timely supply required affidavits or compliance certification documents; failure to utilize federal work authorization procedures; failure to permit or facilitate audits or reviews of records by County officials upon request; and/or failure to continue to meet any of the statutory or County obligations during the life of the contract) shall constitute a material breach of the agreement and shall entitle the County to dismiss any general contractor or to require the dismissal of any subcontractor or sub/subcontractor (irrespective of tier) for failing to fully comply with these requirements, and
(3) **Bid Proposal and Contract Documents: (continued)**

That upon notice of a material breach of these provisions, the Contractor (or subcontractor, regardless of tier) shall be entitled to cure the breach within ten (10) days and provide evidence of such cure. Should the breach not be cured, the County shall be entitled to all available remedies, including termination of the contract, the requirement that a subcontractor be dismissed from performing work under the contract, and any and all damages permissible by law.

Stefanie Taylor discussed DBE participation. Highlights of her presentation are attached.

This contract is subject to the requirements of Title 49, Code of Federal Regulations, Part 26, Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs. The County’s overall goal for Disadvantaged Business Enterprises (DBE) participation on FTA assisted projects is 7%.

All Bidders are strongly encouraged to consider the use of DBE in all aspects of the Contract that will be awarded. Any subsequent changes and/or substitutions of DBE firms from the original DBE Participation Schedule must be submitted and approved by the County in advance. **Monthly DBE reports must be submitted with each monthly invoice.**

In accordance with, 49 CFR Part 26.11 requires Cobb County Department of Transportation to develop and maintain a "bid opportunity list". The list is intended to be a listing of all firms participating or attempting to participate, on Federally Funded projects, including both DBEs and non-DBEs.

**All bidders must be on record with Bid Express as being plan holders.** All bids shall be submitted electronically through Bid Express at [www.bidexpress.com](http://www.bidexpress.com). Paper bids will not be accepted.

Bidding documents are available and open to public inspection through Bid Express at [www.bidexpress.com](http://www.bidexpress.com) and at the office of Construction Services, Cobb County Department of Transportation, 1890 County Services Parkway, Marietta, Georgia. Electronic Bidding Documents must be purchased through Bid Express at [www.bidexpress.com](http://www.bidexpress.com). Plan Sets may be downloaded from [http://docs.cobbegov.org/X2750_KinjacDr.pdf](http://docs.cobbegov.org/X2750_KinjacDr.pdf).

**ALL NEW PROSPECTIVE BIDDERS ARE STRONGLY ENCOURAGED TO PRE-REGISTER WITH COBB COUNTY FINANCE PRIOR TO BID CLOSING.** The New Vendor Registration Form can be located at [https://www.cobbpurchasing.org/webapp/VSSPROD/Advantage](https://www.cobbpurchasing.org/webapp/VSSPROD/Advantage).

(4) **Utility Issues:**

For all bids for contracts involving utility work as defined in O.C.G.A. 43-14-1 et.seq., the Contractor and/or subcontractor(s) that will perform utility work must have a valid state of Georgia Utility Contractor License and comply with all applicable provisions of Chapter 14 of title 43 of O.C.G.A.

Contractor shall submit monthly reports of utility coordination correspondence.

There are approx. 18 Utilities that have facilities within project limits. It is the Contractor’s responsibility to coordinate all utility relocations.
(4) Utility Issues (continued):

Utility delays due to lack of coordination on behalf of the contractor will not be considered for reprieve from liquidated damages. This project is considered by the UPC to be a large ticket item.

(5) Right-of-Way:

All right of way has been acquired.

(6) Special Items to Note:

There are two bid items with a fixed cost - Construction allowance and Utility allowance. These items will only be used at the discretion of the Construction Project Engineer with approval by the County Construction Engineer.

All walls shall have an ashlar finish with anti-graffiti coating, cost to be included in price of concrete.

All storm drain shall be R.C.P., only pipe under driveways may be per GDOT selection chart.

All signs that are temporarily removed must be put back in place before the end of the day.

If required the Contractor shall take three-point levels on Widening and Reconstruction Projects and obtain the Engineer’s approval of the “best fit” profile and cross slope, to minimize leveling requirements of the existing roadway. The Contractor must get the Engineer’s approval of the proposed best fit before beginning widening and reconstruction. This will also apply to all walls, contractor shall layout walls before constructing them to get Engineers approval.

Grass shall be replaced in kind to match existing prior to construction. Sod shall be replaced with sod, seeded grass shall be replaced with seed. There is a pay item for sod to be used in yards and beauty strip. Included in the sod pay item is ground preparation and 4-inches of topsoil.

Trees outside of construction limits are to be removed only as directed by the Engineer.

Contractor will be required to mow grass no less than once a month until final acceptance.

All materials will come from the Georgia Department of Transportation Qualified Products List.

For asphaltic concrete pavement, placement of thermoplastic striping may commence no sooner than a minimum of 15 calendar days, and must be completed within a maximum of 45 calendar days following completion of the final surface course. If incomplete, liquidated damages in the amount of $1,000 per day will apply.

• No work shall be performed by the Contractor on any County project between the hours of 9:00 p.m. and 7:00 a.m., Monday through Saturday, unless specifically authorized by the County. Contractor shall adhere to the Cobb County Noise Ordinance which prohibits loud or unusual noise between the hours of 9:00 p.m. and 7:00 a.m. Any work performed during these hours will result in the assessment of Non-Refundable Deduction at the rate of $1,000.00/hr or portion of an hour. These damages are in addition to any other specified damages as per Section 108.08, Failure or Delay in Completing Work on Time, or otherwise stated elsewhere in the Contract Documents.
(6) **Special Items to Note (continued):**

The contractor shall be required to repair or replace any existing parking lots within or adjacent to provided easements if used by and damaged by the contractor or any sub-contractors working for the contractor.

Section 150.08 Enforcement

(7) **Review:**

Section 108 Prosecution and Progress

Section 150 Traffic Control

(8) Questions should be sent via email, **no later than 2:00 p.m. on Friday August 7, 2020** to [purchasing@cobbeounty.org](mailto:purchasing@cobbeounty.org).

Any questions asked during the pre-bid conference will be addressed in Addendum 1.

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Judy Skeel, P.E.
Construction Engineer

JS/WCK/jan
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<th>Company &amp; Address</th>
<th>Phone/Fax/Email – MUST!</th>
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<tr>
<td>Danny Glasson</td>
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<td>Reginald Bryant</td>
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<td><a href="mailto:wade.kelly@cobbcounty.org">wade.kelly@cobbcounty.org</a></td>
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153.1 General Description
The County will require a Field Engineer’s Office located within 5 miles of the project limits. Contractor shall locate a suitable location, of no less than 1,500 square feet, which is acceptable to the County for use. This includes providing leasing, furnishing, and all maintenance as required in accordance with this Specification.

The Engineering personnel will use the building exclusively for as long as they consider necessary, but no longer than the date of Final Acceptance of the Project.

153.1.01 Definitions
General Provisions 101 through 150.

153.1.02 Related References
A. Standard Specifications
   Section 636—Highways Signs
   Section 643—Fence
   Section 910—Sign Fabrication
   Section 911—Sign Posts
   Section 912—Sign Blanks and Panels
   Section 913—Reflectorizing Materials
B. Referenced Documents
   NFPA-10A

153.1.03 Submittals
Before installing Project Office signs, submit a signage plan for this work to the Engineer for approval.

153.2 Materials
Ensure that all materials are of commercial grade. Sampling and testing is not required.

153.2.01 Delivery, Storage, and Handling
General Provisions 101 through 150.

153.3 Construction Requirements

153.3.01 Personnel
General Provisions 101 through 150.

153.3.02 Equipment
General Provisions 101 through 150.
153.3.03 Preparation
General Provisions 101 through 150.

153.3.04 Fabrication
Delete this section in its entirety.

153.3.05 Construction
A. Field Engineer’s Office Location
   2. Office Building Type 3:
      Delete and substitute the following:
      The Contractor will identify a yet to be determined location, acceptable to the County, located within 5 miles of the project limits, a Field Engineer’s Office. Contractor shall enter into lease agreement for a period of 24 months, beginning on or about January 1, 2021. Monthly utilities and other expenses will begin at Notice to Proceed.

B. Building Requirements
Delete and substitute the following;
The Field Engineer’s office must meet the following minimum requirements:
1. Connect all utilities including water, sewage, gas, electricity, internet, and telephone service to their service source, ready for use, before the Engineer’s occupancy. Process and pay the monthly bills for all utility services as required.
2. Equip the building with at least one approved fire extinguisher that meets the following requirements:
   □ Multipurpose dry chemical type extinguisher
   □ Underwriters Laboratory rating 4A-40BC
   Mount the extinguisher(s) in a convenient and conspicuous location that is easily accessible from any part of the building. Maintain the extinguisher(s) according to the requirements of NFPA–10A.
3. Office furniture to include:
   - A minimum of 3 standard dimension desks, with 23” deep files and heavy-duty steel ball bearing drawers and a locking center drawer.
   - A minimum 3 swivel chair with arms, foam cushioned with upholstered adjustable seat.
   - One stool with supportive backrest, waterfall edge seat and an instant height lever.
   - A minimum of 4 full braced stackable seats with armrests.
   - Provide a minimum 3, 3ft shelves to provide storage for books, etc.
4. Provide two each, four-drawer, letter size, steel, fireproof, lockable, and must have at least two keys, and two each, four-drawer, letter size, steel file cabinets.
5. Provide plan racks capable of holding two complete sets of Project Plans (not more than 100 sheets per hanger) and plan table.
6. Provide potable water and water cooler (may be bottled water supplied by Contractor).
7. Provide indoor toilet facilities that meet local sanitary requirements.
8. Provide for and ensure that heat can be maintained to a minimum inside temperature of 72°F, and air conditioning can be maintained to a minimum inside temperature of 20°F cooler than the outside temperature.
9. Provide for cleaning service, including trash removal, on a weekly basis. Stock and replenish all necessary consumable supplies (i.e paper towels, toilet paper, soap, etc.) for the life of the Project.
10. Install an alarm system that includes the following items and maintain in good operating condition:

- All doors and windows with wired contacts.
- Outside sirens with wired contacts.
- Tamper-proof box with wired contacts.
- Inside sirens with wired contacts.
- Two smoke and heat detectors.

Tie all of the above equipment to a 24-hour control monitoring system using a wired keyboard system. Do not use a remote system. Process and pay the monthly bills for the alarm system and monitoring.

11. Provide three (3) Desktop Computers and Accessories meeting the following minimum requirements:

**Hardware:**

- Intel Core i3 4130 3.4 GHz dual core processor or equal
- 8 GB of memory
- 1 TB SATA Hard Drive or larger
- Super Multi DVD Burner Drive
- 7 in 1 Multimedia Card Reader
- Intel HD Graphics
- Wi-Fi 502.11 b/g/n
- 20” Flat Panel LCD, 1680 x 1050 Resolution
- Two (2) -- 2 GB Flash Drives
- Human Input Device (Mouse)
- Standard Windows Keyboard

**Software:**

- MS Windows 10
- MS Outlook (Most Recent Version)/Windows Office (most recent version)
- WS-FTP
- WinZip
- A restore CD

**Uninterruptible Power Supply:**

- American Power Conversion Corporation Back-UPS ES 650 or Newpoint 750 VA Battery Backup or Equal (minimum 5 Receptacles)

**DSL or Cable Broadband Internet Service**

- Provide DSL Internet Service (100 mbps or better) with static IP address or provide Cable Broadband Internet Service as approved by the Engineer.

12. Provide 3 multifunction desk top copier/scanners (Canon Image or approved equal with air print compatibility) with the capability of making letter-size copies (8½” x 11”), legal-size copies
(8½”x 14”), two-sided copies, at least thirty copies per minute, and possess an auto-feed feature. Furnish all consumable and non-consumable supplies for the life of the Project.

153.3.06 Quality Acceptance
General Provisions 101 through 150.

153.3.07 Contractor Warranty and Maintenance
Whether the building is owned, leased, or rented, the Contractor who provides the building retains possession of the office building.

The Engineer will control the use, location, relocation, and removal of the building. When the office is no longer needed, at the Engineer’s direction, office use will be terminated.

Retain possession of all items that are required as part of the Field Office when the Engineer determines that these items are no longer needed.

153.4 Measurement
Field Engineer’s office, as required by the Engineer, will be paid for as follows: monthly payments.

Payment will be made under:

| Item No. 153 | Field Engineer’s office type 3 | Month |