

**Highland Township Fire Department
Fire Station No. 1**

**ADDENDUM No. 1
April 22, 2020**

Bid Proposal Due Date: **Changed to: May 5, 2020 @ 2:00PM**

The following clarifications and/or Changes made to the Contract Documents are hereby made part of the Contract Documents.

All bidders shall be held responsible to review the Addendum and to include in its Bid Proposal all Work reasonably inferred to be included in its Scope of Work.

Acknowledge receipt of this Addendum in the space provided on the Bid Proposal Form.

- 1. Division 00 – Bidding and Contract Requirement Modifications:**
 - a) **Section 00010-Table of Contents-Reissued**
 - b) **Section 00300-Bid Division 711-Joint Sealant & Air Barrier-Issued**
 - c) **Section 00300-Bid Division 600-Carpentry-Not issued**
 1. Add installation only of Aluminum Clad Windows
 2. Add Furnishing & Installation of Cedar Timber Truss
 3. Add Furnishing & Installation of Wood Composite Spec Plastic
 4. Add Furnishing & Installation of Rigid Wall Covering
 - d) **Section 00300-Bid Division 603-Cabinetry & Millwork-Not issued**
 1. Add Furnish & Install of Stainless-Steel Tops
 - e) **Section 00300-Bid Division 801-Aluminum Entrance Glass & Glazing-Not issued**
 1. Add Furnishing only of Aluminum Clad Windows only
- 2. Division 01 – Bidding and Contract Requirement Modifications:**
 - a) **Section 01010 – Summary of Work-Reissued**
 1. Bid Due date has been extended to May 5, 2020 @ 2:00PM.
 2. All RFI's are to be submitted to dmougrabi@axiomcsgllc.com no later than noon on Tuesday, April 28, 2020.
 3. Addendum No. 2 to be issued on Monday, April 27, 2020.
 4. Addendum No. 3 to be issued on Thursday, April 30, 2020.
 - b) **Section 01230-Alternates-Issued**
- 3. Clarifications/Questions**
 - a) **Clarifications**
 1. There are no wage requirements for this project.
 2. Access Controls & CCTV is to be furnished & installed by the Township
 - Refer to Section 1010-Summary of Work
 3. Stainless Steel Countertop in PPE Laundry Room to be Regency Stainless-Steel Commercial Table 600T1872G
 4. Gear Grid lockers refer to Metal Locker Specification 105113

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5. Roof Hatch specification included in updated Specification Section 077100 Roof Specialties issued in Addendum #1
6. Bd Division 208 Landscape – to be removed and not included. The Township is providing their own Landscaping.
7. Resilient Athletic Flooring (096566) – to be provided in Addendum 2
8. Storage Millwork at Dorm lockers updated in interior elevation 14 on A8-02 issued in Addendum #1
9. Q: there are no specs for the sound and radio systems, and the riser diagram says, see sheets E2.01 and E2.02 for quantities and locations, but these sheets are not in the drawing set. – to be provided in Addendum 2
10. Q: The drawings for the Fire alarm system, only shows 8 detectors, 1 flow/tamper switch and 1 horn strobe unit, is this the extent of the fire alarm system? – to be provided in Addendum 2
11. Q: BC 800 Doors/Frames/Hardware. The Flush wood Door spec lists both particleboard core doors and structural composite lumber (SCL) Door cores? SCL core is considerably more expensive than the common particle core Doors. Are we to provide SCL core or particleboard core? – to be provided in Addendum 2
12. Q: Is electric safety edge also required? – to be provided in Addendum 2
13. What is glass type? IE ½" DSB is considered standard. – to be provided in Addendum 2
14. Q: Please clarify 2.2 G10 – to be provided in Addendum 2

b) Questions

1. Q: Is Von Duprin approved vendor for exit devices.
 - Yes
2. Q: Specs calls for a 300kW generator and drawings it calls for a 150kW generator. What generator is needed?
 - A: 150 kw is the correct generator size
3. Q: In the riser key notes it doesn't show notes 6, 7 and 8, but they are drawing by the generator? It also shows a note 5 next to the generator, but that note is for the VFD's. I am assuming that is supposed to be note 6?
 - Electrical Riser Diagram on E0-02 to be coordinated and updated in Addendum #2. More answers to follow.
4. Q: Heat pumps currently specified on sheet M4-01 note E of the water source heat pump schedule calls out for a built in disconnect switch. On the riser diagram on sheet E0-02 it calls out for an external weather-proof disconnect. Is this a duplication, and is this duplication necessary?
 - A: Electrical Riser Diagram on E0-02 to be updated in Addendum #2. NEMA 3R rating not required for Heat Pumps. Duplication will be eliminated.
5. Will keynote #2 on drawing FP1-01 apply to this project?
 - Note #2 on FP1-01 does not apply to this project.
6. Will the fire suppression contract start at the flanged connection in the building?
 - A: Yes

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7. Q. For the fire/smoke dampers it shows (7) in Passage 120 but calls out Keyed Power Note 5, which states "Refer to mechanical drawings for exact locations and quantities, not all fire/smoke dampers are indicated on these plans". I check, and there are (0) fire/smoke dampers on the mechanicals?
- A: There are no Fire/Smoke Dampers in this project. Keynote #5 to be updated to comprise of a dedicated circuit for hardwired combination carbon monoxide and smoke detectors.
8. Q: What window type is at the dormers?
- A: W-5, Refer to Roof Plan.
9. Q: Are windows to be fixed or operable?
- A: All (W-_) windows are fixed casement windows
10. Q: Should windows in room 137 be W-5, not W-1?
- A: Yes, room 137 windows to be changed to W-5. – to be issued in addendum 2
11. Q: Are there drawings for interior panel signs and monument sign?
- A: Yes, sheet A0-03, and A2-01 – refer to addendum 1
12. Q: Are the letters shown on drawing A5-01 above the entrance the cutout dimensional letters noted in the spec? (8" tall by 1" thick)
- A: There are signage letters above the main entrance Vestibule and above the Apparatus Bay
13. Q: Drawing A8-01 shows the Toilet Room Elevations for Bath 124, 128,116 & 203. Detail 5/A8.01 shows no wall tile on wet wall for Bath 124, 128,116 & 203; and 3 walls in shower receive wall tile. The Room Finish Schedule shows all walls in the Toilet Rooms to receive Ceramic wall tile. Please clarify as to whether all walls receive wall tile or if only the showers are to receive wall tile.
- A: In Bath 124, 128, 116, & 203 only the showers will receive Ceramic wall tile as shown on Detail 5/A8-01.
14. Q: 6" wall on top of mezzanine that is also a fire rated wall. A3-01 call this wall out as a B6 type, which does not call for insulation. Cuts 2/A5-10 and 1/A5-11 both show insulation in the walls. If insulation is required, which type. Mineral wool sound batt or Fiberglass.
- A: Wall is not B6 wall type and will have min R-9 batt insulation – refer to plan detail 3/A3-21.
15. Q: What is the RAL powder coat #. Are interior panels in section 1 and 2 a different color?
- A: RAL number to be clarified upon submittal with samples. Interior Panels in sections 1 & 2 match each other but are not the same color as the frame.
16. Q: Are there steel jambs that wrap masonry? Detail 1/A3-22 shows vertical steel angle.
- A: The steel angle is to bridge the gap between the stone veneer and CMU.
17. Q: Spec 2.2G8, calls for photo-eye, what is NEMA 6 rating?
- A: NEMA 6 is a standard set for Enclosure Types

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18. What controls are required for the Overhead door controls at room 117 and 112?
- A: Additional 3 button openers at each area for call response time efficiency
19. Q: Are red/green traffic lights required as specified in 2.2 G11 Specification?
- A: Yes, requested by client to minimize accidents and increase call response time efficiency.
20. Q: The basis of design is CHI 3297, with insulated styles and rails will be quoting Overhead model 521, it is available with polyurethane insulation at the styles and rails which has a higher r value than the basis of design, the basis of design is polystyrene, note Clopay does not offer insulated styles and rails.
- A: As long as the alternate meets the specifications.
21. Q: Is the cable safety device 2.7D required? This prevents the door from falling if the cable breaks.
- A: Yes, provide per specification.
22. Q: Are audible/visual signals required when door is operating? (2.8K)?
- A: Yes, provide per specification.
23. Q: 2.8G, is a wireless key pad required to open any of the doors? Clarify how radio controls are to be bid and which doors to be operated by radio controls?
- A: One Wireless key pad per door. One radio control per door.
24. Q: BC 800 Doors/Frames/Hardware. The bid category 800 has exclusion #2 glass glazing, aluminum Entrance system storefront. Inclusion are 088000 glazing (as it pertains to your Scope). To complicate things further, the flush wood doors spec. states to factory glaze wood Doors that are factory finished. Is the bid category 800 responsible for Glass and Glazing on the wood and hollow metal Doors?
- Bid Division 800 is responsible for the Glass & Glazing on Wood doors only. Hollow Metal Doors Glass & Glazing is the responsible by Bid Division 801-Aluminum Entrance / Glass & Glazing

4. Documents

a) **Partners in Architectural, PLC Partners in Architectural, PLC**

1. Write up and drawings – See Attached

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BID DIVISION DESCRIPTION

BID DIVISION 711: Joint Sealants & Air Barrier

EXCLUDED:

1. Joint sealants of MEP penetrations
2. Joint sealants of casework and plumbing fixtures.
3. Joint sealants of aluminum entrances and storefronts.
4. Joint sealants associated with roof copings and fascia panels.

INCLUDED:

Furnish and install all material, labor and equipment required for the work of the following categories specified in Technical Specifications for a complete & operational system.

072726 Fluid-Applied Membrane Air Barrier	078446 Fire Resistive Joint System
079200 Joint Sealants	

ALSO INCLUDED:

1. Provide all shop drawings, Submittals & Samples as required by the specifications.
2. Provide lay out for the work of this contract & coordination with other trades for the work of this contract.
3. Participate in job meetings as required.
4. Review all notes, drawings, details, elevation, etc. for work required by this bid division.
5. Furnish all fluid applied air barrier complete as indicated, specified & required.
6. Caulking of drywall and masonry joints complete as indicated, specified & required
7. All exterior, interior masonry and cement siding joint sealants complete as indicated, specified & required.
8. Furnish & install all required sealant and caulking complete as indicated, specified & required.
9. Furnish sufficient skilled manpower that is required to maintain the established schedule.
10. Furnish all fasteners, anchors, adhesives, etc. required for the work of this contract.
11. Furnish & Install all required Lifts, scaffolding, etc. to perform work
12. Protection of all surrounding & adjacent surfaces and/or items that are existing to remain.
13. Clean-up and removal of debris generated by this work and placed in dumpsters is required at the end of each & every work day and/or shift without exception. If clean-up is not completed, Axiom CSG will have it done and a charge of \$450.00 per occurrence will be back charged to the contract.
14. Allowable mark-ups to cover overhead & profit for additional work shall be limited to the following: Work by own forces: 12% and Work by Subcontractor: 7%.
15. All premium time, overtime, weekend work, shift work, etc. required to accommodate & maintain the established schedule & completion date.

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Section 01010
SUMMARY OF WORK

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Project information
2. Work covered by Contract Documents
3. Bid / project schedule
4. Work under separate contracts
5. Future work
6. Access to site
7. Work restrictions

1.2 PROJECT INFORMATION

A. Project Identification: Highland Township Fire Department – Fire Station No. 1

1. Project Location: 1600 Highland Rd. Highland, MI 48357

B. Owner: Highland Township; 205 North John Street, Highland MI 48357

C. Architect: PARTNERS in Architecture, PLC; 65 Market Street, Suite 200, Mount Clemens, MI 48043.

D. General Contractor: Axiom Construction Services Group, LLC; 7789 East M-36, Whitmore Lake, MI 48189

1.3 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and consists of the following:

1. The following is a brief project overview and is not meant to describe the complete scope of the project.

A new, single story Fire Station Building (with mezzanine) and associated site improvements will be constructed on an empty lot recently purchased by Highland Township. The new Fire Station building will face Highland Road and will consist of a four bay Apparatus Bay double stacked including Support Spaces and a Mezzanine, Living Quarters for the Firefighters including six dorms, Administration Offices, and a Training Room. The site will have two curb cuts, an ingress/egress for public and non-emergency vehicles, and an emergency vehicle egress. The utilities on site will be gas, underground electric, detention pond, Township water, and a septic field with reserve location.

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B. Type of Contract.

1. Refer to Axiom Construction Services Group, LLC Section 00500 Contract.

1.4 BID / PROJECT SCHEDULE

A. The projected bid / project schedule milestones are as follows:

1. Issue Documents for bid: April 13, 2020.
2. Last Day to Submit Questions: April 28, 2020.
3. Bids Due: April 30, 2020 @ 2:00pm.
4. All RFI's are to be submitted to dmougrabi@axiomcsllc.com no later than noon on Tuesday, April 28, 2020.
5. Addendum No. 2 to be issued on Monday, April 27, 2020.
6. Addendum No. 3 to be issued on Thursday, April 30, 2020.
7. Desired Construction Commencement: June 2020.
8. Achieve Substantial Completion: April 2, 2020 (or sooner if possible).
 - a. Building must be ready for occupancy. All inspections / approvals must be received to allow occupancy.

Project Closeout: All project closeout activities shall be completed within thirty (30) days following the substantial completion date

1.5 WORK UNDER SEPARATE CONTRACTS

- A. General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract or other contracts. Coordinate the Work of this Contract with work performed under separate contracts.
- B. Concurrent Work: Owner will award separate contract(s) for the following construction operations at Project site. Those operations will be conducted simultaneously with work under this Contract.
1. Video surveillance / security system installation.
 2. Door access control system installation.
 3. Furniture / appliance procurement and installation.
 4. Information and technology cabling and equipment installation.
 5. Window Treatments

1.6 ACCESS TO SITE

- A. General: Contractors shall limit their use of the Project site for work and for storage as designated by the General Contractor. Contractors will not occupy or use any of the Owner's facilities or services. Any work required outside of the designated limits shall be previously scheduled and coordinated with the General Contractor and Owner.

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- B. Use of Site: Use of Project site to areas within the Contract limits indicated.
 - 1. Contractors shall fully cooperate possible with the General Contractor to protect the public, staff and visitors from construction. Clean-up must be constantly maintained, and clear accesses must always be provided.

1.7 WORK RESTRICTIONS

- A. Work Restrictions, General: Comply with restrictions on construction operations.
 - 1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.
- B. On-Site Work Hours: Limit work on site to normal business working hours of 7:00 a.m. to 6 p.m., Monday through Friday and 8:00 a.m. to 4:00 p.m., Saturday.
 - 1. Alternate Hours: Sub-Contractors may make a request to the General Contractor to allow alternate hours. Although the Sub-Contractor may request alternate hours, there are no guarantees that the General Contractor will be able to approve the request.
- C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:
 - 1. Notify Owner not less than four days in advance of proposed utility interruptions.
 - 2. Obtain Owner's written permission before proceeding with utility interruptions.
- D. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to adjacent properties with General Contractor.
 - 1. Notify Owner not less than four days in advance of proposed disruptive operations.
 - 2. Obtain Owner's written permission before proceeding with disruptive operation

END OF SECTION

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Section 01230
Alternates

1. GENERAL

- 1.1. Drawings and General Provisions of the Contract, including General and Supplementary Conditions, Division 00 - Procurement and Contracting Requirements and Division 01- General Requirements Specifications and Addenda, apply to the Work of this Section.
- 1.2. Alternate Work shall include miscellaneous devices, accessories and other items incidental to or required for a complete installation whether or not indicated as part of the alternate.
- 1.3. Base Bid amounts shall be in accordance with the Bid Documents and shall not include additional or deducted costs for alternates.
- 1.4. Cost for Labor and Material Performance and Payment Bonds, if such bonds are required by the Contract Documents, shall be included in the cost of the alternate.

2. VOLUNTARY ALTERNATES

- 2.1. Bidders may propose alternative materials to those specified in the form of a Voluntary Alternate.
- 2.2. Proposals for voluntary alternates shall accompany the base Bid with additional cost to or cost to be deducted from the base Bid amount. Voluntary Alternate costs shall not be included in the base Bid amount.

3. SPECIFIED ALTERNATES

- 3.1. **Alternate No. 1-Add Four-Fold Doors in Apparatus Bay.**
 - a. Base Bid Item: Furnish & Install Sectional Doors as shown and specified
 - b. Alternate Item: Refer to Drawing A3-22 detail 2 & 4 and Specification Section 083500.
 - i. Bid Division 300 Foundations
 - ii. Bid Division 803 Overhead Doors & Operators
- 3.2. **Alternate No. 2-Add Bathroom 203.**
 - a. Base Bid Item: Refer to Sheet A3-01 Detail 6
 - b. Alternate Item: Refer to Sheets A3-01 & A3-10 Detail 5
 - i. Bid Division 600 Carpentry
 - ii. Bid Division 800 Door / Frames/ Hardware
 - iii. Bid Division 902 Hard Tile
 - iv. Bid Division 910 Painting
 - v. Bid Division 1002 Toilet Accessories / FEC
 - vi. Bid Division 1500 Fire Protection
 - vii. Bid Division 1501 Plumbing
 - viii. Bid Division 1600 Electrical

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- 3.3. **Alternate No. 3-** Add Training Deck
 - a. Base Bid Item: Refer to Drawing A3-01 & Drawing A0-04 Door 204B General Note No 5.
 - b. Alternate Item: Refer to Drawing A3-01 & A3-10 Detail 5
 - i. Bid Division 300 Foundations
 - ii. Bid Division 400 Masonry
 - iii. Bid Division 600 Carpentry
 - iv. Bid Division 801 Aluminum Entrances / Glass & Glazing
- 3.4. **Alternate No. 4-** Add Monument Sign, Foundations & Masonry
 - a. Base Bid Item: Refer to Drawing E1-00 Note No. 4.
 - b. Alternate Item: Refer to Drawing A2-01 detail 1, 2 & 3
 - i. Bid Division 300 Foundations
 - ii. Bid Division 400 Masonry
 - iii. Bid Division 1006 Electronic Sign & Signage
 - iv. Bid Division 1600 Electrical
- 3.5. **Alternate No. 5-** Add In-Floor Heating System (Boiler No. 1)
 - c. Base Bid Item: Refer to Drawing M3-01
 - d. Alternate Item: Refer to Drawing M3-01 General Note No. 1
 - i. Bid Division 1502-HVAC & Controls
- 3.6. Bidders shall carefully review the proposed alternate to be fully informed as to the material, incidental material and Work to be performed. Bidder shall not later than five (5) days prior to the Due Date for receipt of Bids, make written request for interpretation or correction of any ambiguity, inconsistency or error discovered.
- 3.7. Each Bidder shall submit with its Bid in the space provided on the Bid Form alternate Bids stating the additions to or deductions from the base Bid lump sum amount for substituting, omitting, adding, changing, or altering materials, equipment or construction from that indicated on the Drawings and/or Specifications.
- 3.8. The Owner reserve the right to waive any irregularities, to accept or reject in whole or in part, any or all alternates, which in its opinion serve the Owner's best interest.

END OF SECTION