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ADDENDUM NO. 2
June 12, 2020

To the
PROPOSAL DOCUMENTS

For the
MILAM COUNTY ANNEX
REHABILITATION
Cameron, Texas

6.12.20

by
ARCHITEXAS
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Austin, Texas 78704
(512) 444-4220

This Addendum forms a part of the Proposal Documents and modifies the Construction Drawings and Project Manual dated May 19, 2020 as noted below. This Addendum consists of thirty-eight (38) pages, including attachments.

PROJECT MANUAL

AD2-01 Section 00 00 20 – Proposal Form

Add item 6, Allowance Schedule as follows:

"6. Allowance Schedule: Bidder acknowledges the following allowances.
A. Allowance No. 1 – Additional Rough & Finish Carpentry Repairs at the Exterior of the Convent Building $15,000 Lump Sum

Replace Section entirely, see attached. Provide submitted proposal on revised form.

AD2-02 Section 01 21 00 - Allowances

Add Section 01 21 00 – Allowances to include a $15,000 cash allowance for additional rough and finish carpentry repairs at the exterior of the Covent Building beyond that indicated under Alternate No. 8, see attached for added new Section.

AD2-03 Section 01 23 00 – Alternates

The referenced Specification Section to locate asphalt paving requirements has been revised in Alternates 1, 2, and 3. Replace Section 01 23 00 entirely, see attached.

AD2-04 **Section 28 30 00 – Fire Alarm System**
The fire alarm system specification has been revised to a standard horn & strobe system, typical of type B occupancy. Voice evacuation is not required. Replace Spec. Sect. entirely, see attached.

AD2-05 **Section 32 17 23 – Pavement Markings**
The Section number in the header and footer have been revised from 02765 to 32 17 23 to align with the Table of Contents and other referenced Sections. Replace Section entirely, see attached.

QUESTIONS

AD2-6 **Question:** Spec. Section 233313-3 calls for 1.5# density duct wrap on concealed ducts. The 1.5# density has an installed R-Value of 6.4 . Using 2.2" thick .75# density with installed R-Value of 6.0 would reduce cost by approx. 20% or more.
Response: Proposed alternate is acceptable provided that finish ceiling heights are maintained.

AD2-7 **Question:** Spec. Section 220719 8 & 9 calls for use of cellular glass on domestic hot water and various other pipe insulation applications. The cost of cellular glass is approx. 5 times more than commonly used insulation such as fiberglass – especially for hot applications that do not need a closed cell insulation. The following are more common for all applications:
Domestic hot water – Fiberglass
Domestic cold water – Fiberglass (already permitted through specs)
Roof/Overflow drain – Fiberglass
Chilled water – Phenolic foam or fiberglass
Heating water – Fiberglass (already permitted through specs)
Response: Proposed alternates are acceptable.

AD2-8 **Question:** Mechanical, M-501 Detail 9, will piping flex connectors, gauges and thermometers be required for heating water on the VAV box pipe connections.
Response: Thermometers and gauges are not required on the VAV terminal coil connections. Connections can be flexible or hard-piped depending on contractor preference.

AD2-9 **Question:** Convent Building, Alternate #9, there is 350 sq. ft. of mastic removal, however, there is no instruction to reroof. Please clarify this same area will not be re-roofed.
Response: Delete removal of 350 sq. ft. of mastic at the Convent Building.

AD2-10 **Question:** Alternates 1 and 2, 2.2 asphalt paving, B. Type D and Type B are specified. Is there a geo-tech report for this project? If not, please specify the thickness of each type.
Response: Provide medium duty application as follows:
1. Surface course – Type D: 3 inches thick
2. Base course – Type B: 4 inches thick

AD2-11 **Question:** A subcontractor asked to be added to the list of "Acceptable Manufacturers" in Spec. Sect. 23 09 23 – Direct Digital Control System for HVAC.
Response: Alternate manufacturers are allowed to bid but must qualify any deviations from the design basis controls and specifications in their bid, including any subscription-based fees so that

the County does not incur additional costs for controls software after occupancy that are not transparent on proposal day.

AD2-12 **Question:** A supplier has asked if alternate manufacturer's other than what is specified will be approved for major mechanical equipment.
Response: All equipment proposed must match or be smaller in physical dimensions and meet or exceed the performance and construction of the design basis equipment.

AD2-13 **Question:** On Addendum 1 Section 01 23 00 Paragraph 1.4 Description of Alternates, Alternates 1, 2 and 3 reference Section 32 11 00 and Section 32 17 23, but those sections are not included on the Addendum or in the original specs. Can you please provide?
Response: See attached revised Section 01 23 00 – Alternates, renumbered Section 02765 – Pavement Markings to 32 17 22. Section 31 20 00 – Earthwork should be referenced for Asphalt Paving requirements.

MISCELLANEOUS

AD2-12 Sign-in sheet and agenda from pre-proposal walk-through is attached

END OF ADDENDUM

SECTION 00 00 20

PROPOSAL FORM

To: Milam County
Cameron, Texas

Re: RFP for Milam County Rehabilitation, Architexas Project No. 1944

The undersigned offeror ("Offeror") submits this Proposal for the performance of the Work of construction, alteration or repair (the "Work") described as follows:

Milam County Rehabilitation, Architexas Project No. 1944

The undersigned Offeror has carefully examined and considered the Project Site and relevant conditions and circumstances for the Work, information and requirements set out in the Request for Proposals, the Drawings and Specifications, and the requirements of the proposed Contract Documents, including the Agreement For Construction, the General Conditions and the Notice of Prevailing Wage Rates, in making this Proposal. Capitalized terms used but not otherwise defined in this Proposal Form shall have the same meanings as designated in the Request for Proposals.

A. Proposal Terms

Based on the foregoing, the undersigned Offeror hereby offers and proposes to perform the Work, in accordance with the Contract Documents, for the Contract Amount based on the Pricing Schedule set forth below, within the Substantial Completion Date proposed below.

1. **Pricing Schedule**

Express in words and numbers.

Base Proposal_____

_____($)

2. **Substantial Completion Date**
Offeror will achieve Substantial Completion of the Work within the following calendar days after a Notice to Proceed is issued:

_____

_____ Days (_____).

3. **Liquidated Damages**
Milam County shall have the right under the Contract to assess liquidated damages in the amount of $200 per day for each and every calendar day beyond the Substantial Completion Date set out in the Contract that the Work fails to be substantially complete

4. **Overhead and Profit for Changes in the Work**: The following percentages will be used to determine the amount of overhead and profit to be added to Offeror's costs for changes in the Work ordered by the Owner:

A. For Work performed by Contractor's own forces:

Overhead: _____ percent Profit: _____ percent

B. For work performed by a subcontractor and supervised by Contractor:

Overhead: _____ percent Profit: _____ percent

5. **Alternates:** Bidder proposes the following alternate pricing:

A. Alternate No. 1: Repave East Parking Lot $_____ Lump Sum

B. Alternate No. 2: Repave West Parking Lot $_____ Lump Sum

C. Alternate No. 3: Provide ADA Parking Adjacent to North Entry

$_____ Lump Sum

D. Alternate No. 4: Replace Existing Roof Mounted Outdoor Air Handling Unit

$_____ Lump Sum

E. Alternate No. 5: Provide 2nd Chiller $_____ Lump Sum

F. Alternate No. 6: Provide Lightning Protection System

$_____ Lump Sum

G. Alternate No. 7: Replace Gyp. Board Ceilings is Kitchen Area

$_____ Lump Sum

H. Alternate No. 8: Selective Exterior Work at Convent $_____ Lump Sum

I. Alternate No. 9: Asbestos Abatement at Convent $_____ Lump Sum

J. Alternate No. 10: Replace Water Closet and Lavatory Fixtures

$_____ Lump Sum

K. Alternate No. 11: Replace Existing Door Assemblies $_____ Lump Sum

6. **Allowance Schedule:** Bidder acknowledges the following allowances:

A. Allowance No. 1: Additional Rough & Finish Carpentry Repairs at the Exterior of the Convent Building $ 15,000 Lump Sum

B. Enclosed Documents

The following are enclosed with this completed Proposal:

1. A Proposal Guaranty in the amount of 5% of the maximum total proposed Contract Amount (*i.e.* the sum of the Base Proposal and all additive Alternates) in the form of either a cashier's check payable to Milam County or a Proposal Bond on the required Proposal Bond Form.

C. Offeror Representations and Certifications

By signing and submitting this Proposal, the undersigned Offeror and person signing on its behalf certifies and represents to Milam County:

1. (i) Offeror has not offered, conferred or agreed to confer any pecuniary benefit or other thing of value as consideration for the recipient's decision, opinion, recommendation, vote or other exercise of discretion concerning this Proposal;

   (ii) Offeror has not violated any state, federal or local law, regulation or ordinance relating to bribery, improper influence, collusion or the like, and Offeror will not in the future offer, confer, or agree to confer any pecuniary benefit or other thing of value to any officer, Trustee, agent or employee of Milam County in return for the person's having exercised official discretion, power or duty with respect to this Proposal.

2. All information contained in this Proposal, including the information provided in Section D below is, to the best of the undersigned's knowledge and belief, true, complete and accurate.

3. **OFFEROR WAIVES ANY CLAIM IT HAS OR MAY HAVE AGAINST THE ARCHITECT, ITS CONSULTING ENGINEERS, OR ANY OTHER CONSULTANTS, AND THEIR RESPECTIVE EMPLOYEES, OFFICERS, MEMBERS, DIRECTORS AND PARTNERS, AND MILAM COUNTY, ITS EMPLOYEES, OFFICERS, AGENTS, REPRESENTATIVES, AND THE MEMBERS OF ITS GOVERNING BODY, CONNECTED WITH OR ARISING OUT OF THIS REQUEST FOR PROPOSALS, INCLUDING, THE ADMINISTRATION OF THE REQUEST FOR PROPOSALS, THE PROPOSAL EVALUATIONS, AND THE SELECTION OF THE OFFEROR. SUBMISSION OF A PROPOSAL INDICATES OFFEROR'S ACCEPTANCE OF THE EVALUATION TECHNIQUE AND OFFEROR'S RECOGNITION THAT SOME SUBJECTIVE JUDGMENTS MUST BE MADE BY MILAM COUNTY DURING THE SELECTION PROCESS. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, OFFEROR ACKNOWLEDGES THAT MILAM COUNTY SHALL DOCUMENT THE BASIS OF ITS SELECTION AND SHALL MAKE THE EVALUATIONS PUBLIC, AND OFFEROR WAIVES ANY CLAIM IT HAS OR MAY HAVE AGAINST THE ABOVE-NAMED PERSONS, DUE TO INFORMATION CONTAINED IN SUCH EVALUATIONS.**

4. Offeror has received the following Addenda to the Request for Proposals, but agrees and understands that it will be responsible for performing the Work in accordance with all terms and conditions in all Addenda issued in connection with the Request for Proposals, and that its Proposal will be construed to include all requirements of all such Addenda, whether or not identified below:

   Addenda No. _____

   Addenda No. _____

   Addenda No. _____

   Addenda No. _____

   Addenda No. _____

5. Offeror (or its subcontractors/suppliers, as applicable) meets all of the Minimum Qualifications specified in Section 1.3 of the Request for Proposals.

D. **Offeror Information**

All of the following information must be provided by Offeror. Use additional sheets if necessary. If additional sheets are used, clearly indicate the question number to which you are responding. Responses must be typed or printed neatly. Illegible responses will not be considered. The Offeror is also sometimes hereinafter referred to below as the "organization" or the "company."

1. General Information

1.1 Name of Offeror:_____

1.2 Name of Project: _____

1.3 Address of office from which Offeror will conduct the Work:

_____

_____

1.4 Offeror's Contact Person for this Work:

Name:_____

Address:_____

Phone: _____

Fax.:_____

1.5 Offeror's Home Office Address: _____

_____

1.6 Does any relationship exist between the Offeror, its officers, principals, or employees and any of Milam County's officers, or employees?

☐ YES ☐ NO

If yes, please explain. _____

1.7 Principal Business:

_____ General Construction _____ Mechanical/Electrical/Plumbing

_____ Demolition _____ Interior Finish-out

_____ Other _____

(Please specify)

1.8 Licensing/Certifications for Prime Contractors:

List trade categories in which your organization is legally qualified to do business in Cameron, Texas, and indicate registration or license numbers, as applicable.

_____

_____

1.9 Minimum Qualifications:

To the extent not otherwise described in Section 1.8 above, describe your organization's compliance with all Minimum Qualifications set forth in Section 1.3 of the Request for Proposals and include all necessary attachments evidencing same.

_____

_____

1.10 Work to be Performed on this Project by Offeror's Own Forces:

List the general categories of work that your organization intends to perform on this Project using its own forces.

_____

_____

2. Organization

2.1 How many years has your organization been in business as a contractor?

_____ Years

2.2 How many years has your organization been in business under its present business name?

_____ Years

2.3 Under what other or former names has your organization operated?

Name	Years
_____	_____
_____	_____

2.4 If your organization is a corporation, answer the following:

2.4.1 Date of incorporation:_____

2.4.2 State of incorporation:_____

2.4.3 President's name:_____

2.5 If your organization is a limited liability company, answer the following:

2.5.1 Date of organization:_____

2.5.2 State of organization:_____

2.5.3 President's, Manager's or Managing Member's name:_____

2.6 If your organization is a partnership, answer the following:

2.6.1 Date of organization:_____

2.6.2 Type of Partnership:_____

2.6.3 Name(s) of general partner(s):

_____

_____

_____

2.7 If your organization is individually owned, answer the following:

2.7.1 Date of organization:_____

2.7.2 Name of owner:_____

2.8 For all business entities other than publicly held corporations, please provide the following:

2.8.1 Award to Nonresident Bidders

Is your business organized under the laws of the State of Texas?

☐ YES ☐ NO

What is the location of your principal place of business? _____

Proposals from nonresident contractors shall be evaluated according to Tex. Gov. Code § 2252.002.

2.9 Is your company currently for sale or involved in any transaction to expand or to become acquired by another business entity? If yes, please explain the impact both in organizational and directional terms.

3. Relevant Experience

3.1 On the attached Table A, list all projects your company has in progress and provide all additional information requested.

3.2 On the attached Table B, list all county government projects that your company has completed in the past five (5) years, and provide all additional information requested.

3.3 On the attached Table C, list all non-county government projects your company has completed in the past five (5) years and provide all additional information requested.

4. Past Performance

Claims and Suits. (If the answer to any of the questions below is yes, please attach details not to exceed one page for each of the following questions.)

4.1 Has your organization ever failed to complete any work awarded to it? (If yes, attach details.)

☐ YES ☐ NO

4.2 Are there any judgments, claims, arbitration proceedings or suits (past, pending or outstanding) against your organization or its officers arising out of or in connection with your company's performance under a contract for construction management and/or construction services? (If yes, attach details, including a description of how such suits or claims were resolved, if applicable.)

☐ YES ☐ NO

4.3 Has your organization filed any law suits or requested arbitration with regard to construction contracts within the last five years? (If yes, attach details.)

☐ YES ☐ NO

4.4 Has your organization been assessed liquidated damages on a project in the last five (5) years? (If yes, attach details.)

☐ YES ☐ NO

4.5 Within the last five years, has any officer or principal of your organization ever been an officer or principal of another organization when it failed to complete a construction contract? (If yes, attach details.)

☐ YES ☐ NO

4.6 Trade References. Provide the following information for three trade references:

Company name: _____ Contact person: _____

Address: _____ Telephone: _____
_____

Company name: _____ Contact person: _____

Address: _____ Telephone: _____
_____

Company name: _____ Contact person: _____

Address: _____ Telephone: _____

5. Personnel

5.1 On the attached Table D, list the names of the key individuals [Project Manager, Construction Superintendent, Assistant Superintendent (if applicable)] of your organization which are proposed to be assigned to this Project and provide the additional information requested on Table D. For each key individual listed on Table D, provide a resume (not to exceed 2 pages) which includes the key individual's construction experience and a description of his/her qualifications and experience relative to the Project.

6. Financial

6.1 Bank References. Provide the following information for one Bank reference:

Company name: _____ Contact person: _____

Address: _____ Telephone: _____

6.2 Surety:

6.2.1 Name of your organization's bonding company:

_____

6.2.2 Name, address and phone number of agent:

Company name: _____ Contact person: _____

Address: _____ Telephone: _____

_____

6.3 Financial Statement. All statements submitted will be used exclusively by Milam County in the evaluation of the award of the contract on the underlying project. Statements will be kept confidential to the extent permitted by law.

6.3.1 Attach an audited or reviewed financial statement, including an independent auditor's report, balance sheet, income statement, and the related notes to the financial statement. Financial statements that are more than one year old are not acceptable.

6.3.2 Name and address of firm preparing attached financial statement, and date thereof:

Company name: _____ Contact person: _____

Address: _____ Telephone: _____

_____

6.3.3 If financial statements for an affiliate of the organization are also attached, will such organization act as guarantor of the contract for construction?

☐ YES ☐ NO

6.4 State whether your company is currently in default on any loan agreement or financing agreement with any bank, financial institution, or other entity? If yes, specify date(s), details, circumstances, and prospects for resolution.

6.5 State whether your company is currently contemplating or has pending a petition in bankruptcy for debt relief, or whether a creditor has threatened to file an involuntary petition against Offeror.

7. Safety Record

7.1 Please provide the following information in connection with your organization's safety record:

7.1.1 A one page maximum discussion of your company's approach to maintaining a safe work environment.

7.1.2 A one page maximum discussion of your company's history of worker's compensation claims or other claims relating to project safety for the past 5 years.

8. Attendance of Pre-Proposal Conference

8.1 As an offeror, did your company attend the pre-proposal conference?

☐ YES ☐ NO

Attendee(s):

_____

_____

_____

_____

Executed as of this _____ day of _____, 20____.

Offeror: _____

Address: _____

City, State, Zip Code: _____

By: _____

Name:_____

Title: _____

Date: _____

Telephone: _____

Table A **All Projects in Progress**

	Project Name	Owner	Owner's Contact Person and Phone Number	Architect	Architect's Contact Person and Phone Number	Contract Amount	Percent Complete	Scheduled completion date
1								
2								
3								
4								
5								
6		s						

Total Value of All Projects in Progress: $_____

Table B **All county government projects completed in the past 5 years.**

	Project Name	Owner	Owner's Contact Person and Phone Number	Architect	Architect's Contact Person and Phone Number	Original Contract Amount	Total Change Order Amount	Final Contract Amount	Date of Completion	% of work completed with Own Forces	Liquidated Damages (Yes or No)
1											
2											
3											
4											
5											
6											

Total Value of All County Projects Completed in the Past 5 Years: $_____

Table C **All Non-County projects completed in the past 5 years.**

	Project Name	Owner	Owner's Contact Person and Phone Number	Architect	Architect's Contact Person and Phone Number	Original Contract Amount	Total Change Order Amount	Final Contract Amount	Date of Completion	% of work completed with Own Forces	Liquidated Damages (Yes or No)
1											
2											
3											
4											
5											
6											

Total Value of All Non-County Projects Completed in the Past 5 Years: $_____

Table D **Personnel**

Key Individuals	Number of years with this Company	Commitment for duration of the Project (Yes or No)
Project Manager: _____ [Name]		
Construction Superintendent: _____ [Name]		
Assistant Superintendent: _____ [Name]		

Number of county projects this team of key individuals has completed together: _____

Number of non-county projects this team of key individuals has completed together: _____

List below the names of all county and non-county projects that at least two of the key individuals listed above have worked on together within the past five years:

_____

_____

_____

_____

_____.

(Attach one additional page if needed)

SECTION 01 21 00

ALLOWANCES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Quantity and cash allowances.

B. Related Sections

1. Section 01 29 00 - Payment Procedures.
2. Section 01 33 00 - Submittal Procedures.
3. Individual specification sections.

C. Include in Contract Sum cash allowances stated in individual Specification Sections and scheduled at end of section.

D. Designate in Progress Schedule delivery dates for products under each allowance.

E. Designate in Schedule of Values quantities of materials specified under unit cost allowances.

1.2 QUANTITY AND CASH ALLOWANCES

A. General:

1. Purchase products under each allowance as directed by Architect.
2. Allow sums for various products as described in individual specification sections.
3. Amount of allowance includes:
   a. Net cost of product, less any applicable trade discounts.
   b. Delivery to site.
   c. Labor required under allowance, only when labor is specified to be included in allowance.
4. In addition to amounts of allowances, include in Contract Sum, Contractor’s costs for:
   a. Handling at site, including unloading, uncrating, and storing.
   b. Protection from elements and from damage.
   c. Labor for installation and finishing, except where labor is specified to be part of allowance.
   d. Other expenses required to complete installation.
   e. Overhead and profit.

B. Selection of Products:

1. Architect's Duties:
   a. Consult with Contractor’s in consideration of products and suppliers.
   b. Make selection; designate products to be used.
   c. Prepare Change Orders.
2. Contractor’s Duties:
   a. Assist Architect in determining:
      1) Supplier or installer, as applicable.
      2) Cost, delivered and unloaded at site.
   b. Obtain proposals from suppliers when requested by Architect.
   c. Notify Architect of any effect anticipated by selection of product or supplier under consideration on construction schedule or contract sum.

d. On notification of selection, enter into purchase agreement with designated supplier.

C. Delivery:

1. Contractor's Duties:
   a. Arrange for delivery and unloading.
   b. Promptly inspect products for damage or defects.
   c. Submit any claims for transportation damage.

D. Installation: Comply with requirements of referenced specification section.

E. Adjustment of Costs:

1. Should actual purchase cost be more or less than specified amount of allowance, Contract Sum will be adjusted by Change Order equal to amount of difference.
2. Amount of Change Order will recognize any changes in handling costs at site, labor, installation costs, overhead, profit, and other expenses caused by selection under allowance.
3. For products specified under unit cost allowance, unit cost shall apply to quantity listed in Schedule of Values.
4. Submit invoices or other data to substantiate quantity actually used.
5. Submit any claims for additional costs at site or other expenses caused by selection under allowances, prior to execution of work. Failure to do so will constitute waiver of claims for additional costs.

PART 2 - PRODUCTS

2.1 Not used.

PART 3 - EXECUTION

3.1 ALLOWANCE SCHEDULE

A. Allowance No. 1 – At the Convent Building, include a cash allowance of $15,000 for additional rough and finish carpentry repairs at the exterior of the building beyond that indicated in Alternate No. 8.

1. Related Specification Sections:
   a. Section 01 23 00 – Alternates.
   b. Section 06 10 00 – Rough Carpentry.
   c. Section 09 91 00 – Painting and Finishing.

END OF SECTION

SECTION 01 23 00

ALTERNATES

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes: Documentation of changes to Contract Sum and Contract Time.

B. Contract Documents contain pertinent requirements for materials and methods to accomplish work described herein.

C. Provide alternate costs for inclusion in Contract Sum if accepted by Owner.

1.2 RELATED REQUIREMENTS

A. Owner-Contractor Agreement: Alternates accepted by Owner for incorporation into the Work.

B. Individual specification sections identified.

1.3 PROCEDURES

A. Alternates will be exercised at the option of Owner.

B. Coordinate related work and modify surrounding work as required to complete the work, including changes under each Alternate, when acceptance is designated in Owner-Contractor Agreement.

1.4 DESCRIPTION ALTERNATES

A. Alternate No. 1: Re-pave East Parking Lot

1. Base Bid: No work to east parking lot and connecting drives.
2. Alternate Bid: Re-pave existing east parking lot and connecting drives to North Crocket Avenue with asphalt and re-strip parking spaces. Prep surfaces as required to maintain current elevations and accommodate proper installation of asphalt paving.
   a. Related Specification Sections:
      (1) Section 31 20 00 – Earthwork (Includes asphalt paving)
      (2) Section 32 17 23 – Pavement Markings

B. Alternate No. 2: Repave West Parking Lot

1. Base Bid: No work to west parking lot with the exception of the following: striping for standard and handicap parking spaces and accessible aisle, ADA parking signage, and concrete wheel stops at each parking space.
2. Alternate Bid: Complete work in base bid. Additionally, re-pave existing west parking lot and connecting drives with asphalt and re-strip parking spaces. Prep surfaces as required to maintain current elevations and accommodate proper installation of asphalt paving.
   a. Related Specification Sections:
      (1) Section 31 20 00 – Earthwork (Includes asphalt paving)
      (2) Section 32 17 23 – Pavement Markings

C. Alternate No. 3: Provide ADA Parking Adjacent to North Entry

1. Base Bid: No work to existing drives.

2. Alternate Bid: Provide ADA parking space adjacent to north entry. Work includes striping parking space and aisle, ADA parking sign, concrete wheel stop, concrete curb ramp, and concrete side walk extending to accessible route. Re-paving of drive is contingent upon acceptance of Alternate No. 2.
    a. Related Specification Sections:
        (1) Section 10 14 23 - Signage
        (2) Section 31 20 00 – Earthwork (Includes asphalt paving)
        (3) Section 32 17 23 – Pavement Markings

D. Alternate No. 4: Replace Existing Roof Mounted Outdoor Air Handling Unit

1. Base Bid: Retain existing roof mounted outdoor air handling unit and make fully functional
2. Alternate Bid: Remove existing roof mounted outdoor air handing unit and replace with Daikin DPSA050 100% Outside Air Unit, or approved equal. Refer to drawings for additional information.
    a. Related Specification Sections:
        (1) Section 23 72 12 – Semi-Custom Packaged Rooftop Air Conditioners

E. Alternate No. 5: Provide 2nd Chiller

1. Base Bid: Utilize existing Chiller system without adding additional capacity. Provide blind flange connections for future chiller.
2. Alternate Bid: Provide new Air-Cooled Chiller equal to Daikin AGZ101E, or approved equal. Refer to drawings for additional information.
    a. Related Specification Sections:
        (1) Section 23 64 28 – Air-Cooled Chillers

F. Alternate No. 6: Provide Lightning Protection System

1. Base Bid: No lightning protection system.
2. Alternate Bid: Contractor shall design and provide lightning protection system complying with requirements of UL 96A for a Master “C” Label and referenced Specification Section. UL master label shall be obtained.
    a. Related Specification Sections:
        (1) Section 26 41 00 – Lightning Protection System

G. Alternate No. 7: Replace Suspended Gyp. Board Ceiling in Kitchen Areas

1. Base Bid: Retain existing suspended gyp. Board ceilings in the following spaces: Dishwashing 102C, Freezer Room 102D, Kitchen 102E, and Storage 102K. Selectively remove and replace portions of ceiling as require to provide specified MEP systems. Restore ceiling to provide a seamless transition between new and existing areas. Finish as specified.
2. Alternate Bid: Remove and replace existing suspended gyp. Board ceilings in the following spaces: Dishwashing 102C, Freezer Room 102D, Kitchen 102E, and Storage 102K. Coordinate installation with installation of specified MEP systems. Finish as specified.
    a. Related Specification Sections:
        (1) Section 09 29 00 – Gypsum Board Assemblies
        (2) Section 09 91 00 – Painting and Finishing

H. Alternate No. 8: Selective Exterior Work at the Convent

1. Base Bid: No work to the Convent
2. Alternate Bid: Complete exterior work indicated on Sheet A3.02.

I. Alternate No. 9: Asbestos Abatement at the Convent

1. Base Bid: No work to the Convent
2. Alternate Bid: Remove asbestos containing materials at the Convent per Asbestos Abatement Specifications in the Appendix of the Project Manual.

J. Alternate No. 10: Replace Water Closets and Lavatories

1. Base Bid: Remove and salvage existing water closet and lavatory fixtures and reinstall at new locations where indicated in the Drawings.
2. Alternate Bid: Remove and dispose existing water closet and lavatory fixtures. Provide new fixtures as specified.
   a. Related Specification Sections:
      (1) Division 22 - Plumbing

K. Alternate No. 11: Replace Existing Door Assemblies

1. Base Bid: Retain existing door assemblies where indicated on the Drawings and restore as indicated in the Detailed Door Inventory in the Appendix of the Project Manual.
2. Alternate Bid: Remove and dispose existing door assemblies. Provide new door assemblies as specified.
   a. Related Specification Sections:
      (1) Section 08 11 13 – Hollow Metal Doors and Frames
      (2) Section 08 14 16 – Flush Wood Doors
      (3) Section 08 41 13 – Aluminum Framed Entrances and Storefronts
      (4) Section 08 71 00 – Door Hardware

PART 2 – PRODUCTS

2.1 Not used.

PARTS 3 – EXECUTION

3.1 Not used.

END OF SECTION

SECTION 28 30 00

FIRE ALARM SYSTEM

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Microprocessor based 24 volt DC, closed circuit, electrically supervised, non-coded, intelligent fire alarm system, including:
   1. Control equipment.
   2. Power supplies.
   3. Signal initiating.
   4. Signaling devices.

B. Initiating Device Circuit (IDC) shall be wired as Style B. Initiating Appliance Circuit (IAC) shall be wired as Style Y. Signaling Line Circuit (SLC) shall be wired as Style 4.

1.2 RELATED SECTIONS

A. Section 26 09 19 – Cable, Wire And Connectors

B. Section 26 05 33 - Raceway, Conduits and Boxes

1.3 REFERENCES

A. NFPA 70 - National Electrical Code.

B. NFPA 72 - National Fire Alarm Code.

1.4 SYSTEM OPERATION

A. Verification Sequence:
   1. If an intelligent smoke detector senses a trouble level of smoke, provide for the interface module to automatically initiate a "check" mode. Provide a minimum of four consecutive samples of the prospective detector. Upon completion of the consecutive smoke trouble conditions, the detector is considered "checked" and the system goes directly into an alarm mode.
   2. Provide alarm verification, as field programmed, to initiate the verification sequence after the above "check" procedure. Provide a field programmable delay period (0 to 50 seconds) before proceeding to resample the detector. Initiate all alarm sequences specified if three or more samples verify an alarm condition still exists. Log in memory the number of verification events that have occurred for each selected device.

B. Alarm Detection Sequence:
   1. Upon detection by any initiating device, flash the system common alarm LED on the CPU module and sound the internal audible trouble device. Acknowledging the alarm condition silences the audible trouble device and causes the flashing common alarm LED to illuminate steady.
   2. Indicate all applicable information on an 80 character display associated with the alarm condition including: zone, device type, device location, and time of alarm.
   3. Transmit appropriate status change messages to CRT's and printers.

4. Any remote annunciator LED's associated with the alarm point illuminate as herein specified.
5. Relay the alarm signal to the remote signaling or municipal tie connection.
6. Execute all automatic events programmed to the alarm point and activate the associated indicating devices and/or outputs.
7. Sound alarm tones on the floor of incidence, floor above and floor below. Upon expiration of the alert tone, automatically transmit a digitized predetermined voice evacuation message to the affected floors. Generate multiple distinct digital messages as determined by event initiated programs.
8. Activate all audible/visual alarm devices on the floor of incidence, floor above, and floor below.
9. Deactivate HVAC systems on the floor of incidence(s).
10. Activate stair pressurization fans.
11. Recall elevators to the ground floor or to the alternate terminus floor.
12. Unlock stairwell doors.

C. Trouble Detection Sequence:
1. Upon trouble detection, flash the system trouble LED on the CPU module and sound the internal audible trouble device. Acknowledging the trouble condition silences the audible trouble device and causes all trouble LED's to illuminate steady.
2. Indicate all applicable information on an 80 character display associated with the trouble condition and its location.
3. Provide priority for unacknowledged alarms/messages over any trouble displays and priority precedence on the annunciator.
4. Transmit appropriate status change/messages to CRT’s and printers.
5. Illuminate any remote trouble annunciator LED's as herein specified.

D. Elevators: Not used.

E. Auxiliary and Remote:
1. Maintain in operation all designated "non-silenceable" auxiliary control functions, even upon silencing of audible alarms, until such time as the control panel is cleared and reset manually (i.e. fan control outputs, central station interface, elevator recall interface, etc.).
2. Provide annunciator(s) that duplicate the control panel alarm status indicators for selected system zones/points and annunciate any system trouble conditions as herein specified.

1.5 SUBMITTALS

A. Shop Drawings: Indicate conduit and cable sizes and routing. Include riser diagram of zoning.

B. Product Data: Include sequence of operation interfacing alarm zones and signal zones.

C. Provide operation and maintenance manual. Furnish written operating instructions and system schematic diagram to Owner's representative.

1.6 QUALITY ASSURANCE

A. Equipment Supplier Qualifications:
1. Authorized and designated representative of fire alarm manufacturer to sell, install, and service proposed manufacturer's equipment. Verify equipment

supplier has technical factory training specifically for the system proposed.

2. Licensed by State Fire Marshall to sell, install, and service fire alarm systems.
3. Actively engaged in business of selling, installing, and servicing fire alarm systems for at least seven years with minimum of ten installations in operation.
4. Provide 24 hour, 365 days per year emergency service with qualified and state licensed service technicians.

B. Installer Qualifications: Licensed by State Fire Marshall to sell, install, and service fire alarm systems.

C. Provide staff installation superintendents who are licensed by the State Fire Marshall's office for such purpose and under whose supervision installation, final connections, and testing will be performed.

1.7 MAINTENANCE SERVICE

A. Provide continued program of system maintenance in compliance with NFPA 72.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. EST.

B. Notifier.

C. Simplex.

2.2 FIRE ALARM CONTROL PANEL

A. Provide a control panel modular in design utilizing distributed solid state, field programmable microprocessors. Provide capacity for the required active detection and output points with space for future use and expansion. Provide hinged door with key lock and a transparent window for viewing all alarm/trouble indicators and LCD annunciator.

B. Provide programmable non-volatile RAM memory. Provide capability to communicate with monitor and control all other modules in the panel via internal serial communications techniques. Provide detection upon removal, disconnection or failure of any control panel module.

C. Maintain all custom time or control-by-event programs for specified events in non-volatile memory. Provide for no program loss, if system primary and secondary power failure occurs.

D. Provide a real-time clock circuit to execute custom time control programs and time/date stamp system events.

E. Provide touchpad controls and indicators for use by the system operator to program all control panel and system parameters. Provide custom display of alpha-numeric labels for all intelligent detectors, zones, and addressable modules. Store label information in non-volatile memory.

F. Provide an 80-character alpha-numeric liquid crystal display (LCD). Provide light-emitting diodes (LED's) for AC power, system alarm, system trouble, display trouble and disable.

G. Provide a keypad with capability to control all system functions, status readouts, manual control action, and entry of any alphabetic or numeric information. Include means to enter multiple five-digit passwords to prevent unauthorized manual control or programming from the keypad. Provide multiple levels of password protection.

H. Provide interface for remote CRT's.

I. Provide interface for remote printers.

J. Provide interface for supervised remote LED annunciators.

K. Provide for monitoring and controlling of each loop of intelligent detectors and addressable modules. Include an independent microprocessor control capable of alarm detection with automatic default mode if a failure occurs in the system central processor unit, internal connections, or other modules.

L. Provide for receiving digital/analog information from all intelligent detectors and process this information to determine normal, alarm, trouble, and sensitivity conditions. Use analog information for automatic test and determination of maintenance requirements. Individually monitor all intelligent detectors for sensitivity variation and initiate a trouble condition should detector sensitivity "drift" toward either threshold or false alarming or non-alarming conditions. Monitor each detector's sensitivity, and if need be, electronically adjust the detector sensitivity as required for existing conditions within UL recommended limits.

M. Communicate continuously with each intelligent detector and addressable module on its loop and verify its proper function and individual status. Perform communication with up to 198 such devices per loop an average of every three seconds or less.

N. Control Switches:
1. Acknowledge/step switch.
2. Signal silence switch.
3. System reset switch.
4. System test switch.
5. Lamp test.

O. Non-Lock Walk Test: Provide a special non-lock "walk test" mode where each initiating device is manually placed in alarm. Pulse the system audible devices from the control panel on detection of each such alarm and automatically reset the panel, permitting a single serviceman to functionally test the entire system.

P. Automatic Detector Test:
1. Provide a special automatic detector test feature which permits reading and adjusting the sensitivity of all intelligent detectors from the main control panel. In addition, permit the functional testing of any intelligent detector or addressable interface device individually or by zone from the main control panel. Indicate the results of the test on the LCD display.
2. Provide printout of all test data via the system printer/recorder.

Q. Special System Reports:
1. Generate and print system and point status reports upon command.
2. Selection of "system" read status provides the operator with global system programming information including: alarm verification, SLC loop styles, number of SLC loops, number of software zones, number of auxiliary power supplies,

signal silence inhibit.

3. Selection of "point" read status provides the operator with selected individual point programming data including: point status (normal, alarm, trouble, disabled, etc.), address, type I.D., control by event, custom alphanumeric label, verification status, alarm threshold level, sensitivity, silenceable/non-silenceable, SLC loop number, and device number.

R. System Diagnostics:

1. Provide special software to detect, diagnose and report failures and isolate such failures to a printed circuit board level. Periodically perform independent self test routines as a self operational/performance test for each module via its resident, independent processor. Report any irregularities via the LCD display and trouble indicators.
2. Provide a lamp test function to test all system indicators including the LCD display and test the panel trouble device for proper operation.
3. Provide a keypad test function allowing the user to interactively confirm that all keys are functional and operating correctly.
4. Provide independent timer software to detect and report failure of any microprocessor circuit, memory, or software. The function of this safe-guard software/circuitry is to restart the respective processor and maintain proper operation of the system. In addition, the master CPU has control over a hardware reset terminal which can perform a system-wide restart. Systems employing tape or disk drive rebooting will not be acceptable.

S. Field Programming:

1. Provide a 100 percent field programmable system without the need for external computers, PROM programmers, or replacement of memory IC's. Systems requiring factory programming/ reprogramming or field replacement of IC memory chips will not be acceptable. All programming may be accomplished through the front control panel indicators and switches or via CRT/keyboard unit. Store all programs in non-volatile RAM memory.
2. Secure programming with an appropriate, pre-selected, five-digit password security code of the highest security level. Do not require the system to be taken off-line or prohibit the system from performing its normal operations and routines while in the system programming mode.
3. Initiate all programming functions via special system "prompting" menus via the system main CPU. Provide a means to "review" all programmed functions at any time subsequent to initialization.
4. Provide the capability to revise/change programmed functions or system expansion at anytime subsequent to initialization as described herein without factory modifications or factory reprogramming. Field programming via the use of external computers may be considered provided programming can be accomplished on-site and the owner permanently furnished with required programming apparatus as part of this contract.

T. Event History:

1. Store a minimum of 1000 system events in chronological order of occurrence. Include event history for all system alarms, troubles, operator actions (i.e. acknowledge, silence, reset, program entry, etc.), unverified alarms, circuit/point alterations, component failures. Time and date stamp events and record and/or review without purging the history file. Store events in non-volatile buffer memory.
2. Automatically overwrite the oldest event(s) in memory beyond the initial 1000 events.
3. Provide a system with event history memory storage.

4. Provide electronic download of all event history data to portable laptop, thumb drive, or other similar storage device.
5. Provide printer/recorder for recording system events.

U. Power Supply:
1. Provide an integral power supply for the panel and all fire alarm peripherals. Provide all control panel and peripheral power needs with filtered power.
2. Design all power supplies to meet UL and NFPA requirements for power-limited operation on all external signaling lines, including initiating circuits and indicating circuits. Provide UL listing for all power-limited circuit applications and use positive temperature coefficient devices for current limiting.
3. Provide input power rated at 120 volts, 60 hertz. Provide internal supervised batteries and automatic charger. Provide both positive and negative ground fault supervision, battery/ charger fail condition, AC power fail indicators. Provide supervision of modular expansion power supplies as may be required.

2.3 VOICE COMMUNICATIONS – NOT USED.

2.4 FIELD DEVICES

A. Monitor Modules:
1. Provide addressable monitor modules where required to interface to contact alarm devices. Provide monitor modules to connect a supervised zone of conventional initiating devices (an N.O. dry contact device, including 4-wire smoke detectors) to an intelligent SLC loop. Mount in a 4-inch square electrical box. Wire each zone for Class B, field selectable.
2. Provide address-setting means and store an internal identification code which the control panel shall use to identify the type of device. No binary coding shall be required. Flash status/power LED under normal conditions, indicating that the monitor module is operational and in regular communication with the control panel. The LED may be placed into steady illumination by the control panel, indicating that an alarm condition has been detected.
3. Provide a magnetic test feature to field test the unit for functional operation. Provide an automatic test feature to permit functional testing of the device from the main control panel. Indicate results of the test on the LCD display.

B. Control Modules:
1. Provide control/relay modules where required to provide audible alarm interface and/or relay control interface. Provide control modules to connect a supervised zone of conventional indicating devices (any 24 volt polarized audio/visual indicating appliance) to an intelligent loop. Mount in a standard 4-inch electrical box. Wire each zone Class B, field selectable. The control module may be optionally wired as dry contact (Form C) relay. Provide power for the relay actuation from the intelligent detector loop to reduce wiring connection requirements. Provide audio/visual power from a separate loop from the main control panel or from supervised remote power supplies.
2. Provide address-setting means and store an internal identification code which the control panel shall use to identify the type of device. No binary coding shall be required. Flash status LED under normal conditions, indicating that the control module is operational and in regular communication with the control panel. The LED may be placed into steady illumination by the control panel, indicating that an alarm condition has been detected.

C. Remote Annunciators:
1. Provide supervised remote LED annunciators. Provide field programmable

annunciators to annunciate selected given points and/or zones. Configure each annunciator as remote system control and annunciator unit. Provide alarm and trouble LED's per annunciated function.

2. Provide a local alarm/trouble Piezo sounder and acknowledge/lamp test switch. Provide a common trouble LED and on line/pilot LED indicators. Zone LED indicators to flash upon receipt of alarm (or trouble) conditions and revert to steady state upon system or annunciator acknowledgement. Silence local sounder upon acknowledging.
3. Duplicate system control capability as follows: System acknowledge/trouble silence, signal silence, lamp test, system reset, signal silence LED, and system alarm and trouble LED's.

D. Intelligent Photoelectric Smoke Detectors:

1. Provide analog photoelectric smoke detectors. Provide detectors utilizing the photoelectric principal to measure smoke density and on command from the control panel, send data to the panel representing the ANALOG level of smoke density. Provide automatic sensitivity "drift" compensation to provide longer term stability and reliability. Provide a "maintenance alert" feature whereby the detector initiates a trouble condition should the units sensitivity approach the outside limits of the normal sensitivity window. Provide the detector with extensive RF and EMF noise reduction circuitry. Provide self compensating solid state LED light source and photosensitive circuitry.
2. Provide a calibrated test method whereby the detectors will simulate an alarm condition and report that condition to the control panel. Such a test may be initiated at the detector itself by activating the detector magnetic test switch, or may be activated remotely on command from the control panel.
3. Provide address-setting means and store an internal identification code for each detector which the control panel can use to identify the type of detector.
4. Provide dual alarm and power/status LED's. Flash status LED's under normal conditions, indicating that the detector is operational and in regular communication with the control panel. Both LED's may be placed into steady illumination by the control panel, indicating that an alarm condition has been detected and verified. Provide an output connection in the base to connect an external remote alarm LED.
5. Provide semi-flush ceiling mounted, modular detector head with twist-lock base. Provide in smooth attractive white finish, and back-sealed against dirt, vermin, and back pressure. Provide with fine mesh insect/contaminate screen. Provide UL listing with respective control panel.

E. Intelligent Thermal Detectors:

1. Provide analog thermal detectors. Provide detectors utilizing dual electronic thermostats to measure temperature levels in its chamber and on command from the control panel, send data to the panel representing the analog temperature level.
2. Provide a calibrated test method whereby detectors will simulate an alarm condition and report that condition to the control panel. Such a test may be initiated at the detector itself, by activating a magnetic switch, or may be activated remotely on command from the control panel.
3. Provide address-setting means and store an internal identification code for each detector that control panel can use to identify the type of detector.
4. Provide dual alarm and power/status LED's. Flash status LED's under normal conditions, indicating that the detector is operational and in regular communication with the control panel. Both LED's may be placed into steady illumination by the control panel, indicating that an alarm condition has been detected. Provide an output connection in the base to connect an external

remote alarm LED.

5. Provide semi-flush, ceiling mounted, modular detector head with twist-lock base. Provide in smooth attractive white finish.

F. Intelligent Duct Detectors:

1. Provide duct mounted intelligent photoelectric smoke detectors. Provide detectors operating on the same principles and exhibiting the same basic characteristics as area type intelligent smoke detectors. Provide units capable of interchanging/accepting either photoelectric or ionization type sensors. Provide detectors operating in air velocities of 300 feet per minute to 4,000 feet per minute without adverse effects on detector sensitivity. Provide detectors which interface directly to the system without interface zone modules.
2. Provide a noryl molded plastic enclosure with integral conduit knockouts. Provide housing with gasket seals to insure proper seating of the housing to the associated ductwork. Provide sampling tubes that extend a minimum of 75 percent across the width of the duct. Provide porosity filters to reduce sensor/chamber contamination. Provide with integral single pole double throw auxiliary control contacts.

G. Addressable Manual Pull Stations:

1. Provide dual action type manual pull stations. On command from the control panel, send data to the panel representing the state of the manual station.
2. Provide address-setting means and store an internal identification code which the control panel can use to identify the type of device. Flash status LED's under normal conditions, indicating that the manual station is operational and in regular communication with the control panel. The LED may be placed into steady illumination by the control panel, indicating that an alarm condition has been initiated via the station.
3. Provide semi-flush mounted stations on standard electrical box. Construct of hi-impact red molded Lexan with instructions for station operation in raised white letters.

H. Speaker/Strobes:

1. Provide audible alarm devices capable of producing both tone alerts and voice communication instructions.
2. Provide built-in matching transformer, field selectable multiple power taps, circuitry for speaker/line supervision, and screw terminal connection points.
3. Provide 4-inch round or square speaker assembly with white decorative metal grille. Provide for flush wall or ceiling mounting.
4. Provide visual alarm devices integral with audible alarm devices, operable on 24 volts DC, utilizing a high intensity solid state xenon strobe tube producing 8,000 candle power. Connect strobe lights to supervised circuits.

I. Speakers:

1. Provide audible alarm devices capable of producing both tone alerts and voice communication instructions.
2. Provide built-in matching transformer, field selectable multiple power taps, circuitry for speaker/line supervision, and screw terminal connection points.
3. Provide 4-inch round or square speaker assembly with white decorative metal grille. Provide for flush wall or ceiling mounting.

J. Water Flow Detectors: Provide interface to monitor water flow detectors. Coordinate quantity and location with the fire sprinkler contractor.

K. Supervisory Valves: Provide interface to monitor supervisory valves on each fire

protection piping valve. Coordinate quantity and location with the fire sprinkler contractor.

L. Auxiliary Relays: Provide relays for ventilating and air handling control and interface. Provide heavy duty type rated up to 10 amps at 24 volts DC. Provide with NEMA I dust cover assembly and single pole double throw contacts.

M. Telephone Jacks: Provide remote handset jacks flush mounted on brushed aluminum plates.

N. Portable Telephone Handsets: Provide total of five portable handsets of molded ABS plastic with retractable cords. Provide dynamic transducer with solid state amplifier. Store portable handsets at firefighter's command center.

PART 3 - EXECUTION

3.1 PREPARATION

A. Only basic equipment devices have been shown on the contract drawings. Specific wiring between equipment/devices has not been shown. It is the contractor responsibility to submit for approval the complete engineered system configuration and layout showing all devices, wiring, conduit, and locations along with other required information as specified herein.

B. Field program all devices into software zones for the purpose of general area identification (i.e., floor, wing, etc.) and annunciation. Provide for each device to also be separately annunciated including exact location and device type.

C. Verify interface requirements for other systems and devices.

D. Obtain authorization from building officials having jurisdiction.

3.2 CABLE INSTALLATION

A. Provide cable in accordance with NFPA 72, NFPA 70, and local codes. Provide cable sizes conforming to manufacturer's recommendations.

B. Provide twisted/shielded type cable to guard against outside RF and EMF interference and induced noise.

C. Where required by local code, provide cable in minimum size 1/2-inch conduit. Do not install AC wiring or any other wiring in the same conduit as fire alarm wiring. Otherwise, provide limited energy FPLP cable (plenum rated) run open in return air ceiling plenums provided cable is UL listed to UL Test 910 for such applications, is of the low smoke producing fluorocarbon type, and complies with NFPA 70, Article 760-4(d) if so approved by the local authority having jurisdiction.

D. Install all vertical cable, all main trunk/riser cable and all cable in conduit and within a fire rated chase. Adequately size all riser boxes for the number of cables transversing the respective box as well as the number of terminations required.

E. Connect all cable in a supervised fashion per NFPA requirements such that any wiring disarrangement will initiate the appropriate trouble signals via the main control panel per NFPA and UL requirements. Intelligent loops may be T-trapped/branch wired due to inherent dynamic supervision.

F. Minimize wiring splices. Where required, make in designated terminal boxes or at field device junction boxes. Do not transpose color coded wiring.

G. Label cable at terminations and pull boxes, junction boxes, and outlet boxes.

3.3 INSTALLATION

A. Provide system grounding.

B. Provide dedicated 20 amp, 120 volt circuits from the emergency distribution system panelboards to all fire alarm equipment (control panels, auxiliary power panels, transponders, etc.).

C. Provide interfaces to other systems and devices furnished under other divisions and sections.

3.4 INTERFACE WITH OTHER WORK

A. Coordinate requirements surrounding installation of the fire alarm system with all trades including, but, not exclusive of the elevator system, electrical system, sprinkler system, and HVAC/controls system. Provide adequate coordination to insure proper installation and interface to all peripheral items required to interact with the fire alarm and communication system to provide a complete and functional life safety system.

B. Central station connection and service provided by the Owner.

3.5 FIELD QUALITY CONTROL

A. Provide services of manufacturer's representative to instruct Owner's personnel in system operation and maintenance.

B. Perform the final control panel connections and supervise testing of the system by a state licensed factory trained technical representative of the manufacturer. It shall be subject to the approval of the responsible engineer and owner. Upon completion of the acceptance tests, the owner and/or his representatives shall be instructed in the proper operation of the system.

C. Functionally test each and every device in entire system for proper operation and response. Test each circuit in system for wiring supervision to insure proper wiring installation. Any items found not properly installed or non-functioning shall be replaced or repaired and retested. All testing shall be supervised by a licensed fire alarm superintendent.

D. Provide complete written report on functional test of entire system. Test and report shall verify function of each device in system, operation of all auxiliary control functions, and proper operation of main fire alarm control panel. Provide copy of test report with maintenance manuals. Test report shall be signed and dated by licensed fire alarm superintendent responsible for supervising final system test and checkout.

E. Test entire system in presence of local authorities having jurisdiction.

END OF SECTION

SECTION 32 17 23

PAVEMENT MARKINGS

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Parking stall striping on concrete or asphalt, including handicap parking stall symbol and striping at accessible aisle.

B. Related Sections:

1. Division 1: Administrative, procedural, and temporary work requirements.
2. Section 01 23 00 – Alternates for repaving east and west lots and ADA parking at north entry.
3. Section 31 20 00 – Earthwork for asphalt paving.

1.2 PROJECT CONDITIONS

A. Do not apply paint when rain or excess humidity are present, ambient or pavement temperature is below 40 degrees F, nor when such conditions are anticipated within 8 hours after application.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Painting on Asphalt:

1. Type: Chlorinated rubber, Alkyd, Vinyl-latex emulsion, non-bleeding, formulated specifically for painting in vehicular traffic areas.
2. Colors:
   a. Parking stall striping, directional markings, and restricted parking zone markings: White.
   b. Accessible parking emblems and paths: In accordance with applicable accessibility code.
   c. Fire lane designations: Red with white copy.

2.2 EQUIPMENT

A. Application Equipment: Pressurized, self contained, capable of applying straight line from 2 to 6 inches wide with consistent coverage at required rate.

PART 3 – EXECUTION

3.1 PREPARATION

A. Allow paving to cure minimum time recommended by paint manufacturer prior to applying paint.

B. Clean paving of grease, oil, and loose and foreign matter that could impair adhesion.

C. Remove curing compound from new concrete by lightly sandblasting. Minimize sandblasting of surfaces not receiving paint.

D. Locate markings according to drawings, using guide lines and templates.

3.2 APPLICATION

A. Apply paint by machine at rates recommended by manufacturer.

B. Apply paint in one coat.

C. Provide 4 inch wide parking stall stripes unless otherwise indicated.

3.3 PROTECTION

A. Close areas to traffic until paint is fully cured.

END OF SECTION

Milam County Annex – Rehabilitation
Pre-Proposal Meeting
June 4, 2020 at 10:00 AM at the Project Site.

Name of Contact	Company Name	GC or Subcontractor	Phone	Email
EDWARD NORMAN	HAR-CON MECH	SUB	832-300-1060	edward@har-con.com
Marvin Tucker	REC Industries Inc.	Prime GC	979-776-8245 ext 1104 979-599-6650	MARVIN@RECIND.COM
Richard Hanna	4 Cow Insulation	SUB	254-836-1103	HANNATRACC@AOL.COM
BENNY PATRANELLA	R.E.C. INDUSTRIES	PRIME	XT-1101 979-776-8245	benny@recind.com
Tim Woodruff	Built Wright Construction	GC	254-723-6088	Tim@Built-wright.net
Leonard Greco	ESCO	GC	254 627-0396	leonard.greco@escogc.com
STEVEN PEARSON	PEARSON PAINT	SUB	254 753 1199	PearsonPaintShop@sbcglobal.Net
JAMES MCGUFFEY	LOCHRIDGE PRIEST	SUB	254-492-8178	jmcguffey@lochridgepriest.com
Bill Post	AAR, INC	ASBESTOS-SUB	512-778-6800	bpost@aarinc.net
Keith Watson	Mycon General Contractors	GC	979-255-5582	Kwatson@mycon.com
Floyd LESIKER	NU-WAY Ent. Inc.	paint sub	(254)986-1462	Paul@nuwaye.com
Sonny Cathey	Grant Goss Contracting	Paint Sub	254-722-5581	EstimatingExcellence@gmail.com
James Nowlin	CWA Construction	GC	254-340-5112	jnowlin@cwaconstruction.com
Herb Cross	CWA	GC	254-717-7633	bcross@cwaconstruction.com
Stacy Thomas	CWA	GC	254-498-5589	sthomas@cwaconstruction.com
Jack Morrow	Abatement/Demo	Sub	214 876 0864	Jack@horsleyspecialties.com
Richard Hulse	MRI Builders	GC	512-429-0421	Rich@MRIBuilder.com
TROY Satterfield	2XS Solutions	Sub	254-482-0728	2xs@2xssolutions.com

Milam County Annex – Rehabilitation
Pre-Proposal Meeting
June 4, 2020 at 10:00 AM at the Project Site.

Name of Contact	Company Name	GC or Subcontractor	Phone	Email
Weldon	Rmdudley	GC	979-776-2135	bids@rmdudleyConstruction.com
Bruce Tomastik	InHouse Systems	Sub	254-654-7211	bruce@inhousesys.com
Tim Burns	MRI	GC	979-446-3550	TiJBurns@Gmail.com
Luis Moreno	RNDI Companies, Inc	Sub	214-876-3069	

Milam County Annex – Rehabilitation
Pre-Proposal Meeting
June 4, 2020 at 10:00 AM at the Project Site.

Name of Contact	Company Name	GC or Subcontractor	Phone	Email
Justin Ashby	South Western Services	GC	214.668 1927	JAshby@SouthwesternServices.com
Gilbert Bolding	STR Constructors	GC	512/515-0254	gilbertb@strconstructors.com
Michael R. Jones	Madison Construction	GC	979 268 5570	bids@madison-construction.com
Marc Pimentel	Precision Demolition	Sub	512-234 1056	marc.pimentel@precisiondemolition.com
Allan Boegner	Albo LLC	Sub	979 574 3026	allan@albollc.com
Jason McNamara	Capstone Mech.	Sub	254 537-9042	jmcnamara@capstonemechanical.com
Cody Wetsel	BrandT	Sub	254 252 2472	Cody.Wetsel@BrandT.US
Kenny Ewings	North Star Elite	GC	210-559-3219	ryanp@nstarcon.com
Chris Moreau	BAD Company Inc	Sub	512-778-6069	chris@badcompany-inc.com
Ernesto B Gonzalez	K-W Construction Inc.	GC	512-738-2282	ErnestoGonzalez@K-Wconst.com
Corey Von Kahl	Vaughn Construction	GC	713.828.2716	cvonkahl@vaughnconstruction.com
Jordan Andrae	Vaughn Construction	GC	817-996-0345	jandrae@vaughnconstruction.com
Kyle Haas	Vaughn Construction	GC	346/246-9500	kylehaas28@gmail.com
Don Daniel	ARC Abatement	Sub	512 260-6207	dondaniel@arcabatement.com
Josh Dotzler	Folkerson Communications	Sub (Data/Voice)	254-698-6616	jdotzler@folkersoncom.com
Bobby Alfred	T.E.A.M. Solutions Inc.	Sub	(979) 220-6905	Bobby.Alfred@teamsol.net
Robert M. Perez	T.E.A.M. Solutions	Sub	(956) 220-4802	robert.perez@teamsol.net
Bruce Alsip	Alsip Electrical Const.	Sub	254 313 8676	bruce@aec-waco.com

Milam County Annex – Rehabilitation
Pre-Proposal Meeting
June 4, 2020 at 10:00 AM at the Project Site.

Name of Contact	Company Name	GC or Subcontractor	Phone	Email
Steve Stone	Impact Fire Services	Sub	254-857-4990 254-644-2940	SSTONE@ impactfireservices.com
Mike Coritelli	Environmatic Systems	Sub	214-435-9875	mcoritelli@environmaticsystems.com
DALE SORENSON	EBCO General Contractor	G. C.	254 697 8546 C 972 836 1577	dale.sorenson@ebcogc.com
Ana Luna	RUDI COMPANIES INC.		214 771-3977	DIANA@ RUDICOMPANIES.com

Pre-Proposal Meeting Agenda
Milam County Annex – Rehabiliation
Thursday, June 4, 2020 – 10:00 A.M.
806 N. Crockett Avenue, Cameron, TX

I. **10:00 AM Introduction**

- Sign in sheet
- Introduction of the Owner/Architect
- **Description of Bid Proposal**
  A. Proposals to be submitted on Document 00 00 20- Proposal Form included in the Project Manual and Qualification Form.
  B. Bid Proposals are required to be completed with original signatures of corporate offices along with notary public.
  C. Refer to Document 00 00 16 Request for Competitive Sealed Proposals.
- Proposal Procedures
  A. Address: Milam County Auditor's Office, 103 West Main St., Suite A, Cameron, TX 76520.
  B. Time: 3:00 P.M. local time, June 19, 2020
  C. No faxed bids will be accepted.
  D. Proposals will be opened in public on June 22, 2020 at 10:00 AM in the Commissioner's Courtroom, 1st floor of the Milam County Courthouse, 102 S. Fannin Cameron, TX.
  E. No modifications to the bid forms will be accepted.
- Insurance Requirements
  A. Insurance requirements as stipulated within Project Manual, Section 00 80 00 – Supplementary Conditions, Article 11 – Insurance and Bonds.
  B. Bonding: Refer to Document 00 00 30 Proposal Bond, Document 00 11 57 Performance Bond, and Document 00 11 58 Payment Bond
- **Architect – ARCHITEXAS – Stan Graves & Susan Frocheur**
- Scope of Work
- Asbestos abatement
- Alternates:
  Alt. 1: Repave East Parking Lot
  Alt. 2: Repave West Parking Lot
  Alt. 3: Provide ADA Parking Adjacent to North Entry
  Alt. 4: Replace Existing Roof Mounted Outdoor Air Handling Unit
  Alt. 5: Provide 2nd Chiller
  Alt. 6: Provide Lightning Protection System
  Alt. 7: Replace Gyp. Board Ceilings in Kitchen Area
  Alt. 8: Selective Exterior Work at Convent
  Alt. 9: Asbestos Abatement at Convent
  Alt. 10: Replace Water Closet and Lavatory Fixtures
  Alt. 11: Replace Existing Door Assemblies

- Bid Documents are available for viewing on the milamcounty.net website – Public Notices/Bid Proposals page under Milam County Annex Plans.

- Bid Documents are available for purchase and download at the following address:

  BVCA Plan Room, www.bvca-planroom.com

  Request and pick up printed documents at:
  4015 S. Texas Avenue
  Bryan, Texas 77802
  (979) 260-5902
  Email: BVCAPlanRoom@gmail.com

- Questions must be emailed to Stanley Graves, FAIA or Susan Frocheur with ARCHITEXAS at sgraves@architexas.com and sfrocheur@architexas.com. Provide written questions no later than Tuesday June 16, 2020. Questions will be answered via addenda.

II. **10:30 AM Tour of Project Site**

III. **11:00 PM Closing Comments and Question / Answer**