

PRE-BID MEETING MINUTES-ADDENDUM NO. 1 DE ARNG BIDEN NATIONAL GUARD/RESERVE CENTER ROOFTOP SOLAR PV EXPANSION DE ARNG PROJECT #: 2018-003

A Mandatory Pre-Bid Meeting was held in the Biden National Guard/Reserve Center, 1st Floor Conference Room on Tuesday, January 29, 2019, at 10:00 a.m. Those in attendance were:

1LT Brittney Poore	Delaware Army National Guard
Susan Lewis, PhD	Delaware Army National Guard
Braden Kreer	CMI Solar & Electric
Mike Hines	Masten Electric, Inc.
Jeffrey Mellish	lota Communications
Matt Bailey	Power Plus Electrical Contracting, Inc.
Richard Stoltzfus	Sunrise Solar, Inc.
Matthew Galinskie, CEA	Fayda Engineering & Energy Solutions, LLC

A copy of the Pre Bid Meeting sign-in sheet is attached. Total 2 pages.

Date of Report:	January 30, 2019
FE&ES Comm. No.:	17-1251D

Items of Discussion:

- 1.0 These Pre-Bid Meeting Minutes, Addendum No. 1, shall be made part of the Project Manual and Drawings dated January 2019 for the DEARNG BIDEN NATIONAL GUARD/RESERVE CENTER ROOFTOP SOLAR PV EXPANSION for the Delaware Army National Guard.
- 2.0 Sealed bids for DEARNG Contract No. 2018-003 Biden National Guard/Reserve Center– Roof Mounted PV Solar Expansion, will be received by the Delaware Army National Guard at the Security Officers desk in the Main Lobby of the Biden National Guard/Reserve Center, 1 Vavala Way, New Castle, Delaware, 19720 until 2:00 PM local time on February 14, 2019, at which time they will be publicly opened and read aloud in the Multi-Purpose Room.
- 3.0 This is a mandatory pre-bid meeting and Prime Bidders are limited to those in attendance.
- 4.0 For further bidding information relating to the Project Manual and Drawings, the contractors are directed to contact Edward Fayda, P.E., Project Manager at Fayda Engineering & Energy Solutions, LLC at telephone: 302-999-1060. Contractor Requests for Clarification or Interpretation shall be delivered electronically (by email) to <u>efayda@faydaees.com</u>. Ensure the project title, contractor's name and RFI # are in the subject line. (Example: DE ARNG Biden PV Solar "Contractor Name"- RFI #1)
- 5.0 The wage rates for this Project are Delaware Department of Labor and Division of Industrial Affairs for **New Castle County, Building Construction Classification**. A certified copy of the prevailing wage rates and Debarred list of contractors for this specific project is included in the Project Manual. This approved scale of wages must be posted by the Contractor in a prominent and easily accessible place at the work site.



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- 6.0 Contractors are reminded that if they are a recognized contractor that customarily performs the work of a given subcontractor classification; that they can list themselves on the line for that particular subcontractor category. DO NOT LEAVE ANY BLANKS ON THE BID FORM. DO NOT ADD ANY ADDITIONAL VERBIAGE OTHER THAN WHAT IS REQUESTED. FAILURE TO DO SO MAY DISQUALIFY YOUR BID. As an example, if you are an electrical contractor that will self-perform the electrical work, that you list your company on the Electrical Subcontractor line on the bid form. Ensure your address, business license, etc. is also included.
- 7.0 Effective 1/1/19, <u>the prime contractor</u> must have a drug testing program in place. There is an Affidavit located with the Bid Form.
- 8.0 Project Summary: The Base Bid is a design that is based on Monofacial panels. Add Alternate #1 changes the monofacial panels to bifacial. As a result, there are 2 levels of deduct alternates.
 - A. Project scope:
 - Base Bid:

1. All work shown on the contract documents.

Alternates: There are four (4) Alternates and three (3) Allowances. Add Alternate #1: Provide bifacial panels at Roofs #1-9 in lieu of monofacial panels (this is an incremental cost between the two, not an entirely new amount. Deduct Alternate #2: Omit all work shown on Roofs #1-3 from the Base Bid Deduct Alternate #3: Omit all work shown on Roofs #1-3 from Alternate #1. Deduct Alternate #3: Omit all work shown on Roof #4 from the Base Bid. Deduct Alternate #3A: Omit all work shown on Roof #4 from Alternate #1.

Allowances: There are 3 Allowances: They are:

Allowance #1: \$10,000 for miscellaneous costs not identified on the contract documents. Allowance #2: \$30,000 for costs to integrate the Noveda system with the new system. Allowance #3: \$30,000 for costs to integrate the Siemens Desigo system with the new system.

- 9.0 Contractor must be a registered plan holder in order to submit a bid. Bid Form shall be submitted in **triplicate**. Only those registered plan holders will be sent future addenda.
- 10.0 A two (2) year warranty is required on overall project beginning on the date of substantial completion. Extended warranties are required on the PV Solar system.
- 11.0 The following sections of the specifications were reviewed:

<u>Section</u>	<u>Article</u>	<u>Title</u>
		Advertisement for Bids
00 21 13	3.3	Instructions to Bidders
00 41 13		Bid Form & Subcontractor Listing
00 10 00	1.03	Project Summary
01 15 40	2	DE ARNG security procedures & Short Form
01 21 00	3.03	Allowances
01 23 00	1.03B	Alternates
26 05 70.13		Power System Study
26 31 00	1.2	Photovoltaic System

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- 12.0 The drawings were generally reviewed to present the intent of the contract documents.
- 13.0 The following items were discussed in detail:
 - A. Working hours are 7:00 a.m. to 4:30 p.m. Monday through Friday except for alternating Mondays when the facility is closed and the contractor will not be able to work in the building. A copy of the 2019 DE ARNG schedule is attached for reference. Additional hours must be arranged with the Owner in advance. All shutdowns shall be conducted on weekends and at the convenience of the owner. Shutdowns must be scheduled and approved by the owner a minimum of two weeks in advance.
 - B. Contractors are to contact the Department of Labor if they have any questions with regard to the State Prevailing Wage Law or clarifications on payroll reporting. Telephone number is 302-451-3423.
 - C. Requests for substitutions must be submitted to the Engineers office by **2:00 p.m. on Monday, February 4, 2019.** Such requests shall include a complete description of the proposed substitutes, along with sufficient documentation and information necessary for a complete evaluation.
 - D. All questions should be directed in writing to the Engineer. Contractors are encouraged to submit questions as soon as possible. All answers to questions not in addendum format will not be binding. In the case of a conflict between the specifications and drawings or within each not answered by addendum, the greater quantity or better quality shall be provided. The deadline for questions shall be 2:00 p.m. on Wednesday 2/6/19. Final Addenda deadline is 2:00 p.m. on Sunday 2/10/19, except for an extension of the bid due date, which will be Tuesday, 2/12/19 at 2:00 p.m.
 - E. All products furnished under this project with the exception of the inverters and Optimizers shall be Made in America; no exceptions. Contractor shall provide this documentation with any proposed substitution requests and during shop drawing submittals.
 - F. All shutdowns that will affect the building's electrical distribution system shall be performed on weekends (Saturday/Sunday) and at the convenience of the DE ARNG.
 - G. Billing for stored material will not be paid unless the material is on the jobsite and in a secure location under the contractor's control. Owner will assist with providing area for materials storage; however, it will not be a secured area.
 - H. Contractors will be permitted to use facility restrooms.
 - I. Vehicles & other equipment shall not be left unattended and shall be secured at all times.
 - J. This is a tobacco free campus. No form of tobacco is permitted on site; including ecigarettes.

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- K. Contractors are reminded that it will be unlikely that the bid due date will change.
- L. The Power System Study is in the critical path. The study to be performed under this contract is not an extension of an existing building power study. Refer to Specification Section 26 05 70.13 for requirements. Any field work that requires de-energization of existing switchgear shall be performed on weekends and at the convenience of the Guard.
- M. Instructions for requesting substitutions are very specific and are contained in the project manual. If the contractor does not follow the processes it is automatic grounds for rejection.
- N. The Guard will designate a laydown area for job boxes, dumpsters, etc. during construction.
- O. DEARNG confirmed that there is no elevator access to the roof. The contractor shall be responsible for determining how to get equipment and materials to each roof level. Refer specifically to Structural Note 1 on Drawing E-5
- P. DEARNG does not wish to retain the existing inverters being removed under this contract. Inverters and other removed equipment and materials shall be properly disposed of or recycled per the Construction Waste Management Specification.
- 14.0 The successful contractor shall designate one job foreman who will remain as the main point of contact throughout the duration of the project. This foreman must be on-site whenever any sub-contractors are on-site.
- 15.0 In accordance with Specification Section 00 73 13, Article 9.2.2, an amount equal to 1% of the contract will be identified on the contractor's Schedule of Values for contract closeout documents. Note that this is not part of the 5% retainage.
- 16.0 Reminder: For your bid to be deemed responsive, you need to include:
 - 1. Bid Form- Three (3) copies, fully executed, no blanks use the latest version if published by Addenda.
 - 2. Bid Bond or Certified check in the amount of 10% of your bid.
 - 3. Bidders Business License
 - 4. Drug Testing Affidavit for prime contractor.
- 17.0 A site review of the project site was performed. A follow up walk-thru is tentatively scheduled for 10:00 a.m. on Tuesday, February 5, 2019 for all registered attendees. Contact Korey Dishong at the Engineer's office at 302-999-1060 to register for the walk-thru. If no one registers, the walk through will be cancelled.
- 18.0 Changes to Specifications
 - 18.1 Specification Section 26 31 00-2.1: Change "xxxx....xxxx" to "PrismSolar Technologies, Model Bi60-375BSTC".

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- 18.2 Bid Form: DELETE existing Bid Form and REPLACE with updated Bid Form attached to include Add Alternate #4 for a Glint & Glare Study.
- 18.3 Bid Bond Form: DELETE existing Bid Bond Form and REPLACE with updated Bid Bond Form attached.
- 18.3 Specification Section 01 23 00 Alternates: ADD new Article 1.03B.7; Add Alternate #4: Provide a Glint & Glare Study, signed and sealed by a Professional Engineer that will be formally submitted to the FAA for approval. The cost of this Alternate may not be awarded with the original contract and may be exercised by change order up to 30 days after the PO has been issued.
- 19.0 Changes to Drawings
 - 19.1 There are no changes to the drawings.
- 20.0 Questions/Clarifications
 - 20.1 Will a glare study be need to be performed as part of this contract?
 - Reply: Since this building is not within the boundaries of the New Castle County Airport, it is not anticipated that a Glint and Glare Study is required; however, should one be required, we are updating the Bid Form to include this as an Add Alternate #4 to the Base Bid.
 - 20.2 Will the contractor be required to patch and paint the existing wall once the old inverters and conduit are removed?
 - Reply: Yes, patch and paint to match existing. Paint color shall be colormatched to existing by contractor.
 - 20.3 Will a new UL label be required on the lightning protection system?
 - Reply: Per Specification Section 26 41 13-1.2, a "Letter of Findings" will be required.
 - 20.4 Is the existing roof under warranty? Who is the original installation contractor?
 - Reply: Per Specification Section 07 92 13-1.2 the original roof is manufactured by Carlisle and has a 25-year warranty. The roofing contractor was Wilkinson Roofing but the contractor's initial warranty has expired.
 - 20.5 Who is the original lightning protection system contractor?
 - Reply: This information is not available.

EF/ef 17-1251D Pre-Bid Meeting Minutes

Attachments: DE ARNG Calendar, Pre Bid Sign-In Sheet, Updated Bid Form, Updated Bid Bond Form

cc: All in Attendance P-File Pre-Bid Meeting Minutes & Addendum #1 Biden National Guard/Reserve Center-Roof Mounted PV Solar Expansion Page 6 of 15

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PLEASE FILL OUT COMPLETELY AND LEGIBLY

PROJECT NAME:	DE ARNG Biden National Guard/Reserve Center		
	Roof Mounted PV Solar Expansion		
	1 Vavala Way, New Castle, DE 19720		
PRE-BID MEETING:	Tuesday, January 29, 2019 @ 10:00 a.m.		

BIDS DUE: Thursday, February 14, 2019 @ 2:00 p.m.

 FE&ES Comm. No.:
 17-1251D

 DE ARNG Contract No.:
 2018-003

Company Name	Representative	Address	Phone & Fax	Email
Fayda Engineering	Matthew J. Galinskie, C.E.A.	801 W. Newport Pike Wilmington, DE 19804	(302)999-1060 - P (302)999-1053 - F	mgalinskie@faydaees.com
CHI SOCAR & GZGCTHUC	BRADEN KREZZ	834 AC BO-DILING NEWARK, DE-19702	(302) 250-6180 C	bkrees @ cmielednic am
MASTEN ElecTRIC	Mike Hines		302-653 4300	Office @ MASTENETECTRIC.
Ista (Gmmun-cation, Inc	Jeffrey R. Mellish	540 Union Sq Dr. New Hope PA	856 725-7433	jmellish@iota communication
Power Plus Electrical Contracting IInc	Matt Bailes	P.O. Box 199 Cheswold, DE 19934	302 736-5070 302 736-5120	Mattb337 @ gmail. con
DEARNG	Susan Lewis	2GU AIRPORT RD	302 324 7135	Susan.J. Lowisiz, n Age Ment. mil
DEARNG	BRITHNEY POORE	χ.ν	302 324 7138	brithey.m. poore mil C mail.mil

Pre-Bid Meeting Minutes & Addendum #1

Biden National Guard/Reserve Center-I	Roof Mounted PV Solar Expansion			
Page 8 of 15 mpany Name	Representative	Address	Phone & Fax	Email
Sunrise Solar The	Richard Stoltzlas	P.O Box 898 Chestertown MD	17410-810-15041 FA 410-810-1506	richard@sunvise solar md.com

Pre-Bid Meeting Minutes & Addendum #1 Biden National Guard/Reserve Center-Roof Mounted PV Solar Expansion Page 9 of 15 DE ARNG BIDEN NATIONAL GUARD/RESERVE CENTER ROOF MOUNTED PV SOLAR EXPANSION JANUARY 2019 **DE ARNG PROJECT #: 2018-003 BID FORM For Bids Due:** February 14, 2019 at 2:00 p.m. To: 1LT Brittney Poore Delaware Army National Guard Biden National Guard/Reserve Center 1 Vavala Wav. New Castle, DE 19720 Name of Bidder: Delaware Business License No.: Taxpayer ID No.: (A copy of Bidder's Delaware Business License must be attached to this form.) *(Other License Nos.): _____) - Fax No.: ()_____ Phone No.: (The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below: Provide all work identified on the Contract Documents. **BASE BID:** (\$ Amount:) **ALTERNATES** ADD ALTERNATE #1: Provide Bifacial panels on Roofs #1-#9 in lieu of Base Bid Panels. Amount:) Omit all work shown for Roof #1, #2 and #3 from Base Bid. DEDUCT ALTERNATE #2: (\$ Amount:) Omit all work shown for Roof #1, #2 and #3 from Alternate #1. DEDUCT ALTERNATE #2A: Amount: (\$) DEDUCT ALTERNATE #3: Omit all work shown for Roof #4 from Base Bid. Amount: _____(\$) DEDUCT ALTERNATE #3A: Omit all work shown for Roof #4 from Alternate #1 (\$ Amount:) ADD ALTERNATE #4: Provide Glint & Glare Study. Amount: (\$) **FAYDA ENGINEERING & ENERGY SOLUTIONS BID FORM**

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FE&ES Comm.: 17-1251D

Pre-Bid Meeting Minutes & Addendum #1 Biden National Guard/Reserve Center-Roof Mounted PV Solar Expansion Page 10 of 15 ROOF MOUNTED PV SOLAR EXPANSION DE ARNG PROJECT #: 2018-003

ALLOWANCE ACKNOWLEDGEMENT

ALLOWANCE #1: We have included an allowance amount equal to \$10,000.00 in the Base Bid for miscellaneous costs not identified on the bid documents. I/We have reviewed and familiarized ourselves with the requirements contained in Specification Section 01 21 00 Allowances.

Acknowledged by: _____

ALLOWANCE #2: We have included an allowance amount equal to \$30,000.00 in the Base Bid for integration of the Noveda Monitoring System. I/We have reviewed and familiarized ourselves with the requirements contained in Specification Section 01 21 00 Allowances.

Acknowledged by: _____

ALLOWANCE #3: We have included an allowance amount equal to \$30,000.00 in the Base Bid for integration of the Siemens Desigo Monitoring System. I/We have reviewed and familiarized ourselves with the requirements contained in Specification Section 01 21 00 Allowances.

Acknowledged by: _____

UNIT PRICES:

There are no Unit Prices.

ROOF MOUNTED PV SOLAR EXPANSION DE ARNG PROJECT #: 2018-003

BID FORM

I/We acknowledge Addenda numbered _1,_____ and the price(s) submitted includes any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for thirty (30) days from the date of opening of bids (60 days for School Districts and Department of Education), and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid.

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ______ calendar days of the Notice to Proceed.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By	Trading as
(Individual's / General Partner's / Corporate Name)	
(State of Corporation)	
Business Address:	
Witness: By:	
(SEAL)	(Authorized Signature)
	(Title)
Date:	
ATTACHMENTS	

Sub-Contractor List Non-Collusion Statement Affidavit(s) of Employee Drug Testing Program Bid Security Bidders Qualifications (Others as Required by Project Manuals) Pre-Bid Meeting Minutes & Addendum #1 Biden National Guard/Reserve Center-Roof Mounted PV Solar Expansion Page 12 of 15 ROOF MOUNTED PV SOLAR EXPANSION DE ARNG PROJECT #: 2018-003

DE ARNG BIDEN NATIONAL GUARD/RESERVE CENTER JANUARY 2019

BID FORM

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b <u>Delaware Code</u>, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Delaware Army National Guard*, it is **REQUIRED** that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work. This form must be filled out completely with no additions or deletions.

Subcontractor Category	<u>Subcontractor</u>	Address (City & State)	Subcontractors tax payer ID # or Delaware Business license #
1. <u>Electrical</u>			
2. <u>PV Integrator</u>			
3. Lightning Protection			
4. <u>Roofing</u>			

END OF SUBCONTRACTOR LISTING

Pre-Bid Meeting Minutes & Addendum #1 Biden National Guard/Reserve Center-Roof Mounted PV Solar Expansion Page 13 of 15 DE ARNG BIDEN NATIONAL GUARD/RESERVE CENTER JANUARY 2019

ROOF MOUNTED PV SOLAR EXPANSION DE ARNG PROJECT #: 2018-003

BID FORM NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date to the *Delaware Army National Guard*.

AFFIRMATION: Within the past five years, has your firm, any affiliate, any predecessor company or entity, owner, Director, officer, partner or proprietor been the subject of a Federal, State, Local government suspension or debarment?

YES_____ NO_____ If yes, please explain (use separate page and include with Bid Form.) YES, include with bid form.

All the terms and conditions of DE ARNG PROJECT: 2018-003 have been thoroughly examined and are understood.

NAME OF BIDDER:		
AUTHORIZED REPRESENTATIVE (TYPED):		
AUTHORIZED REPRESENTATIVE (SIGNATURE):		
TITLE:		
ADDRESS OF BIDDER:		
EMAIL:		
PHONE NUMBER:		
Sworn to and Subscribed before me this	day of	20
My Commission expires	NOTARY PUBLIC	

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

Pre-Bid Meeting Minutes & Addendum #1 Biden National Guard/Reserve Center-Roof Mounted PV Solar Expansion Page 14 of 15 ROOF MOUNTED PV SOLAR EXPANSION

DE ARNG PROJECT #: 2018-003

BID FORM

AFFIDAVIT OF EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite that complies with this regulation:

Contractor/Subcontractor Name:		
Contractor/Subcontractor Address:		
Authorized Representative (typed or printed):		
Authorized Representative (signature):		
Title:		
Sworn to and Subscribed before me this	day of	20
My Commission expires	NOTARY PUBLIC	

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

Pre-Bid Meeting Minutes & Addendum #1 Biden National Guard/Reserve Center-Roof Mounted PV Solar Expansion Page 15 of 15

DE ARNG BIDEN NATIONAL GUARD/RESERVE CENTER JANUARY 2019

ROOF MOUNTED PV SOLAR EXPANSION DE ARNG PROJECT #: 2018-003

STATE OF DELAWARE OFFICE OF MANAGEMENT AND BUDGET

BID BOND

TO ACCOMPANY PROPOSAL (Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____

	_of	in the County of						
and State of		as Principal , and						
	of in the County of							
and State of	as	Surety, legally	y authorized	to do business in	the State of	Delaware		
("State"), are held and firmly unto the State in the sum of								
Dollars (\$), or	percent not to exceed					
				Dollars (\$			

_____) of amount of bid on **DE ARNG PROJECT: 2018-003**, to be paid to the **State** for the use and benefit of the Delaware Army National Guard for which payment well and truly to be made, we do bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded **Principal** who has submitted to the Delaware Army National Guard a certain proposal to enter into this contract for the furnishing of certain material and/or services within the **State**, shall be awarded this Contract, and if said **Principal** shall well and truly enter into and execute this Contract as may be required by the terms of this Contract and approved by the Delaware Army National Guard this Contract to be entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with seal and dated this two thousand and			day of (20).	in the year of our Lord
SEALED, A	ND DELIVERED IN T	HE Presence of		
		-	Nam	e of Bidder (Organization)
	Corporate Seal	By:		Authorized Signature
Attest				Title
		-		Name of Surety
Witness:		By: _		
		-		Title