Maryland
Transportation
Authority

Martin O'Malley
Governor

Anthony Brown
Lt. Governor

Beverley K. Swaim-Staley
Chairman

Peter J. Basso
Rev. Dr. William C. Calhoun, Sr.
Mary Beyer Halsey
Louise P. Hoblitzell
Richard C. Mike Lewin
Isaac H. Marks, Sr., Esq.
Michael J. Whitson
Walter E. Woodford, Jr., P.E.

Ronald L. Freeland
Executive Secretary

Division of Procurement and
Statutory Program Compliance
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authority.com

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June 3, 2010

TO ALL PURCHASERS OF CONTRACT DOCUMENTS:

RE: **Contract No. KB2424-000-002**
Miscellaneous Rehabilitation of Electrical Gear
Francis Scott Key Bridge

ADDENDUM NO. 1

To Whom It May Concern:

It is important that you acknowledge receipt of this Addendum No. 1 on the referenced contract regardless if you will be bidding or not bidding.

Very truly yours,

Linda McGill, CPPB
Chief Procurement Officer

Enclosures

Contract No. **KB 2424-000-002**

This will acknowledge receipt of the attached Addendum No.1.

_____
NAME OF COMPANY

_____ _____
SIGNATURE DATE

THIS SIGNED ADDENDUM ACKNOWLEDGEMENT PAGE SHALL BE RETURNED TO THIS OFFICE VIA **FAX AT 410-537-7801**, ATTENTION: MAGGIE JOHNSON PRIOR TO THE BID OPENING DATE.

IN ADDITION, THIS SIGNED ADDENDUM ACKNOWLEDGEMENT PAGE MUST BE ATTACHED TO THE OUTSIDE COVER OF THE BID BOOK. FAILURE TO DO SO MAY RESULT IN REJECTION OF YOUR BID.

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June 3, 2010

TO ALL PURCHASER'S OF CONTRACT DOCUMENTS

ADDENDUM NO. 1

RE: Contract No. KB2424-000-002
Miscellaneous Rehabilitation of Electrical Gear
Francis Scott Key Bridge

To Whom It May Concern:

A. The following changes have been made to the Invitation for Bids book:

- Delete pages 027, 028, 029, 030, 031, 056, 058, 071, 107 and 108 and replace with pages numbered the same dated June 3, 2010, Addendum # 1.

B. Attached are the Pre-Bid Meeting Minutes, Questions and Answers, example schedule of prices and existing panel photos.

The Bid Due Date for the above referenced contract is still scheduled for **June 10, 2010** by 12:00 Noon.

Very truly yours,

Linda D. McGill, CPPB
Chief Procurement Officer

LM/

THIS ADDENDUM SIGNED ACKNOWLEDGEMENT PAGE MUST BE ATTACHED TO THE OUTSIDE COVER OF THE BID BOOK. FAILURE TO DO SO MAY RESULT IN REJECTION OF YOUR BID.

Pre-bid Meeting Minutes

Contract No. KB 2424-000-002
Miscellaneous Rehabilitation of Electrical Gear
Administration and Maintenance Buildings
Francis Scott Key Bridge
Baltimore County

May 20, 2010 (10:00 A.M.)

The following were in attendance:

		Phone Number	Fax Number
Alisha Wright	MDTA Procurement	410-537-7812	410-537-7801
Ben Mondell	MDTA Procurement	410-537-7811	410-537-7801
Kataw Say	MDTA Engineering	410-537-7853	410-537-7801
Kip McKenzie	MDTA Electrician	410-537-7673	410-537-7671
Doug Evans	MDTA Electrical Inspector	410-977-2667	
Mike Brown	Mace Electric	410-247-1920	410-247-1595
Bob Prince	Intelect Corp	410-327-0200	410-327-7722
Terry Vest	Intelect Corp	410-327-0200	410-327-7722
Bob Lawson	Boblawson Elec. Serv.	410-708-8727	410-648-5860
Thomas Lippa	Dvorak LLC	410-686-8727	410-686-8729
Jeff Konschaic	Cove Electric Inc.	410-679-0726	410-679-3601
Kevin A. Brown Jr.	His Way Electric LLC	410-448-7978	410-448-7932

Ms. Wright opened the meeting with the following notes:

This is the Pre-bid for **KB-2424-000-002 MISCELLANEOUS REHABILITATION OF ELECTRICAL GEAR – FRANCIS SCOTT KEY BRIDGE**

This project is located at the Francis Scott Key Bridge Administration and Maintenance facilities in Baltimore County and involves electrical work which consists of replacing existing circuit breakers and reconfiguring an emergency circuit (including the replacement of a transformer).

The scope of work for this project will include the removal and replacement of the existing circuit breakers, transformer, wiring, conduit, flexible conduit, and making all final connections. All work and materials necessary to provide complete and functioning systems shall be included.

***Federal Pacific Electric (FPE) no longer manufactures acceptable circuit breakers for the existing panel boards. The contractor will be responsible for replacing the circuit breakers with ones that are compatible with the existing panel boards from the existing manufactures, in accordance with the specifications and drawings.**

The contract time is **120 calendar days** with **liquidated damages** of **$800.00** assessed per calendar day for unauthorized extensions beyond the contracted time of completion..

1. The bid due date is **Thursday, June 10, 2010 by 12p.m**. Bid packages must be placed in the bid box located on the first floor of the Engineering Building at the Francis Scott Key Bridge, 300 Authority Drive, Baltimore, MD 21222 and must consist of one complete bid book and all the required documents. Late bids will not be accepted.

2. The Authority does not encourage overnight delivery service. However, If you choose to send your package overnight, the bid should be delivered at least a day in advance to the **Maryland Transportation Authority; Office of Procurement & Statutory Program Compliance; 300 Authority Drive; 1st Floor; Baltimore, MD 21222**. It will be the responsibility of the Contractor to make sure that his/her bid package is placed in the bid box. The outside of the mailed package must clearly identify the Contract Number and mention that it is a bid package.

3. The minutes from this meeting will be included in Addendum #1 and distributed to all purchases of the bid documents. The anticipated date for Addendum # 1 is **Thursday, June 3, 2010.**

4. Please make sure you fill out the Schedule of Prices accurately and completely. Not doing so may render your bid as non-responsive. **(SEE EXAMPLE 1 & 2)-**

5. I strongly recommend that you review page 1, Notice to Bidders/Offers – Small Business Reserve Procurement and page 2, The Notice to bidders of this invitation for bids prior to submitting your bid on this project.

6. Following this meeting, all questions should be in writing, addressed to the **Project Manager Mr. Kataw Say** and sent via fax to 410-537-7801. The Authority will accept written questions until **4pm on Thursday, May 27, 2010**. Answers to questions will be distributed to all purchases of bid documents.

7. This a Small Business Reserve Procurement with no MBE goal for this project. If you require assistance with the Small Business Reserve process please contact Ms. Tonya Wigfall at 410-537-5697.

The meeting was then opened to questions and comments concerning the project. The following questions were discussed and responses provided:

Question 1: What is the primary and secondary voltage of the transformer?

Response: See Page 051, Dry Type Transformer Specifications.

Question 2: We found out that no other manufactures breakers can fit into the existing FPE panel. Please verify.

Response: The Contractor shall be responsible to verify the proper fit of each breaker into the panel. Some breakers have been replaced, see attached photos.

Question 3: How do we know which panels, breakers or feeders, ..etc shall turn on or off or disconnect during construction?

Response: Contractor shall coordinate and cooperate with MDTA electrician to minimize power interruption in scope, frequency and duration. Contractor also required to coordinating with Baltimore Gas and Electric (BGE) for De-energizing or Re-energizing the Main Switchboard.

As there were no additional questions, the meeting was adjourned.

06/01/10

Approved

Example # 1

SCHEDULE OF PRICES

NOTE: This proposal shall be filled in by the bidder, with the prices written in words and numerals. The extension amounts of unit costs shall also be filled in. For complete information concerning these items, see Specifications, Special Provisions and Contract Form.

ITEM NOS.	APPROXIMATE QUANTITIES	DESCRIPTION OF ITEM AND PRICE BID (IN WRITTEN WORDS)	UNIT PRICE DOLLARS	UNIT PRICE CTS.	AMOUNTS DOLLARS	AMOUNTS CTS.
101	LUMP SUM	MOBILIZATION AT Five Hundred Thousand Dollars LUMP SUM	500,000	00	500,000	00
102	LUMP SUM	CPM TYPE A SCHEDULE (SECTION 109) AT Two Thousand Five Hundred Dollars LUMP SUM	2,500	00	2500	00
103	LUMP SUM	ENGINEERS OFFICE TYPE C AT Ten Thousand Five Hundred Eight Dollars LUMP SUM	10,508	00	10,508	00
104	LUMP SUM	MAINTENANCE OF TRAFFIC (SECTION 104) AT One Thousand Dollars LUMP SUM	1,000	00	1,000	00
105	52	UNIT DAY OF LANE CLOSURE AT Twenty-Five Dollars and Sixty-three Cents PER UNIT DAY	25	63	1332	76
106	236	UNIT DAY OF PORTABLE VARIABLE MESSAGE SIGN(S) ("PVMS") (SECTION 104.19) AT One dollar and Eighty Cents PER UNIT DAY	1	80	424	80

CONTRACT NO.

Correct

Example #2

SCHEDULE OF PRICES

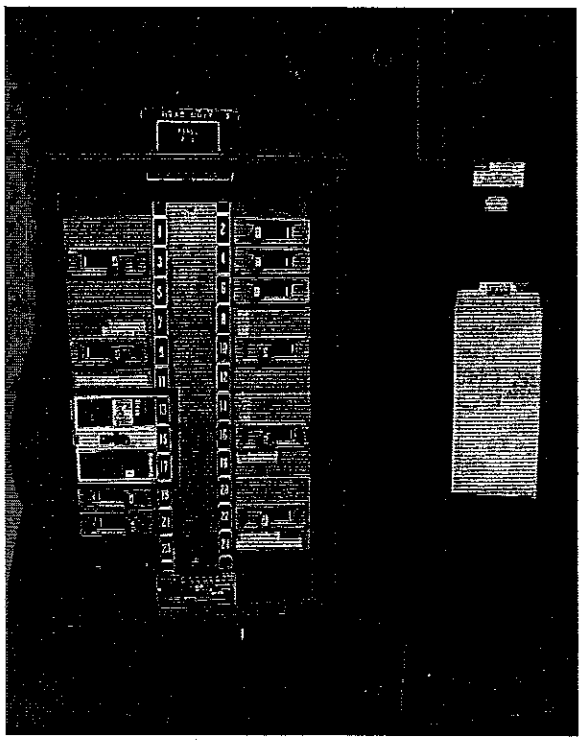
NOTE: This proposal shall be filled in by the bidder, with the prices written in words and numerals. The extension amounts of unit costs shall also be filled in. For complete information concerning these items, see Specifications, Special Provisions and Contract Form.

ITEM NOS.	APPROXIMATE QUANTITIES	DESCRIPTION OF ITEM AND PRICE BID (IN WRITTEN WORDS)	UNIT PRICE DOLLARS	UNIT PRICE CTS.	AMOUNTS DOLLARS	AMOUNTS CTS.
101	LUMP SUM	MOBILIZATION AT _____ LUMP SUM			500,000	00
102	LUMP SUM	CPM TYPE A SCHEDULE (SECTION 109) AT _____ LUMP SUM			2,500	00
103	LUMP SUM	ENGINEERS OFFICE TYPE C AT _____ LUMP SUM			10,508	00
104	LUMP SUM	MAINTENANCE OF TRAFFIC (SECTION 104) AT _____ LUMP SUM			1,000	00
105	52	UNIT DAY OF LANE CLOSURE AT One thousand Thirty two Dollars 76/100 PER UNIT DAY	25	63	1332	76
106	236	UNIT DAY OF PORTABLE VARIABLE MESSAGE SIGN(S) ("PVMS") (SECTION 104.19) AT Four hundred twenty four 80/100 PER UNIT DAY	1	80	424	80

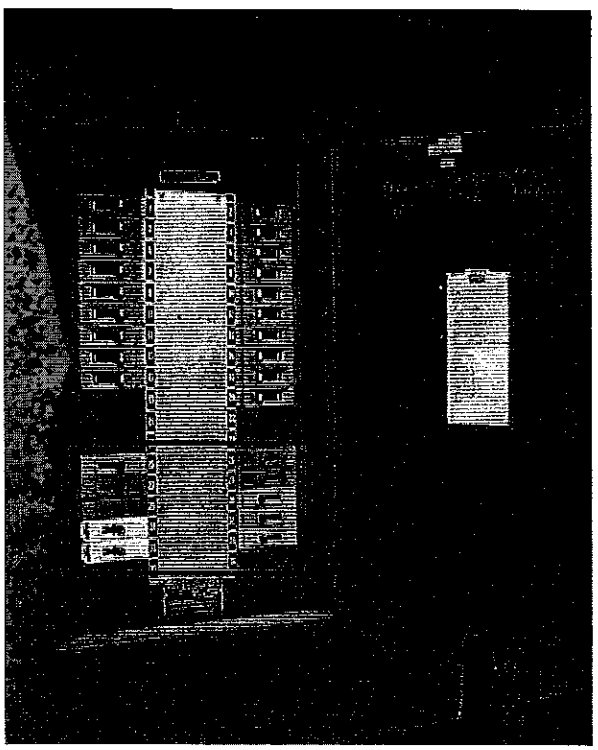
CONTRACT NO.

In correct

Panel P-1E



Panel P-3N



Questions and clarifications received from INTELECT CORPORATION:

Question: Please clarify specifications on page 016 calls out for the MBE & DBE but no the SP 1-1 Project Description calls out for 0% for MBE & DBE?

Answer: "FOR INFORMATION PURPOSES ONLY", see page 015.

Question: What fiber optic cables need to be tested and how many (page 040 – Section 820.03.04)

Answer: There is no fiber optic cables need to be tested. Section - 820 is the latest updated standard specifications for any MdTA electrical project.

Question: Any breakers tied into the toll booths if so who is responsible for the traffic control?

Answer: All toll booth equipment feed from the Uninterruptable Power Supply (UPS) and Emergency panel (EDP). When working in the Emergency panel (EDP), the contractor may not take more than two (2) hours to complete the work. Emergency power to bus bars must remain live at all times. Power to UPS shall not be interrupted for more than fifteen (15) minutes in any eight (8) hours period. (See contract documents for more details)

Question: Any breakers tied into UPS systems and if so how many?

Answer: Yes, see contract documents.

Question: Any breakers tied into GFCI if so how many?

Answer: Yes, see contract documents.

Question: Please clarify if breakers are no longer produced or have no cross reference do we replace the whole panelboard or switchboard?

Answer: The Contractor shall be responsible to verify the proper fit of each breaker into the panel. The new replacement circuit breakers shall fit in the existing breaker cubicle and shall have been fully tested in accordance with the latest edition of National Electrical Code (NEC) and all local and state codes and regulations. Some breakers have been replaced, see attached photos.

TERMS AND CONDITIONS
TC SECTION 4
CONTROL OF WORK

TC 4.01 – SHOP PLANS AND WORKING DRAWINGS

DELETE SECTION (a) IN ITS ENTIRETY AND REPLACE WITH THE FOLLOWING

ADD:

(a) General. The Plans will be supplemented by working drawings, catalog cuts, schematics, material data, installation plans and manuals, user manuals, and other data necessary to demonstrate to the Engineer adequate control of the work, proper installation and handling, conformance to the specifications, and that the proposed materials and equipment is suitable for the intended use. All authorized alterations affecting the requirements and information given on the working drawings shall be in writing to the Engineer. Any deviations from the Specifications, Special Provisions, or Plans shall be clearly highlighted and explained. When reference is made to the working drawings, the interpretation shall be the working drawings as affected by all authorized alterations then in effect. When reference is made to the working drawings, the interpretation shall be that working drawings include working drawings, catalog cuts, schematics, material data, installation plans and manuals, user manuals, and other data necessary to demonstrate to the Engineer adequate control of the work, proper installation and handling, conformance to the specifications, and that the proposed material or equipment is suitable for the intended use.

Working drawings will show details of all structures, lines, grades, typical cross section of roadway, general cross sections, location and designation of all units and elements. Cabinet drawings shall be to-scale showing the location of all equipment proposed to be mounted within the cabinet. One-line diagrams and schematics shall be provided for equipment cabinets showing the interconnection of all devices located therein. Equipment layouts shall include rack-level elevation views as well as floor plans for all equipment racks. All working drawings, regardless if submitted as specified or submitted as equal substitutes, shall be furnished with complete, specific, detailed information from the manufacturer or supplier for the material or equipment the Contractor proposes to furnish, in which the requirements of the Specifications and Special Provisions shall be clearly shown to be met.

When any article is specified by trade name of manufacturer with or without the clause "or equal," it is intended to establish the quality of the article. If the Contractor proposes to use material or equipment of another manufacturer as an "or equal" to the material or

equipment specified, all working drawings shall conform to the following requirements, conditions, and procedures:

1. Substitution of equipment or materials other than those specified will be considered, providing, in the opinion of the Engineer, such equipment or material is equal to, or better than specified. The decision of the Engineer with respect to approval or disapproval of any material or equipment proposed to be substituted as an "or equal" is final. The Contractor shall have no claim of any sort by reason of such decision.

2. If the Contractor proposes to substitute materials or equipment as "or equal" to those specified, it shall be his responsibility to furnish, in addition to the information discussed above, a point by point comparison of the material or equipment specified under the Contract and that proposed to be substituted. The burden of responsibility in furnishing this information is with the Contractor.

3. If the substitute material or equipment requires any re-design or affects other aspects of the project, the Contractor shall be responsible to provide such re-design including details and to adjust elements as necessary to achieve the re-design at no additional cost to the Administration. Cost saving re-designs will be considered under the value engineering specifications.

If incomplete or irrelevant data is submitted as evidence of compliance with Specifications, Special Provisions, or Plans, the data will be returned and the request for approval of working drawings will be denied.

The Contractor shall provide, at no additional cost to the Administration, all required working drawings and shall have them adequately checked, after which they shall be submitted to the Engineer for review. The Engineer may reject working drawings and return them for revisions, in which case the Contractor shall submit revised working drawings as required. No items involving working drawings shall be incorporated into the work until working drawings have been accepted by the Engineer, however, acceptance shall not relieve the Contractor of any responsibility in connection with the working drawings.

The working drawings shall be prepared on sheets no smaller than 8.5" x 11" and no larger than 22" x 36". The sheet size and scale of the drawings shall be appropriate for the work depicted.

All working drawings shall be submitted by the Contractor, no working drawings submitted directly by subcontractors, fabricators, suppliers, etc. shall be accepted. Acceptance of a material source or equipment source by the Engineer or Administration

shall NOT constitute approval of the material or equipment nor approval of the materials or equipment as a substitute or an "equal" product.

ADD:

(c) The working drawings shall be submitted electronically as files (FAXES are NOT acceptable). Electronic submission may be made via email for small submissions. Email is the preferred submission method. The email submissions shall be made to the email addresses provided by the Administration upon notice to proceed of the project and shall include ksay@mdta.state.md.us. Where electronic submittals are larger than email can support (currently about 8MB), the submission may be made using one or more of the following alternatives:

1. Posted on a contractor supported FTP server, or other via another service that may be accessed by the administration as long as an email notice is made with the 'cover' sheet.

2. Copied onto a CD, DVD, or other supported data media and submitted to the Administration via standard mail. At least five (5) copies of the media shall be provided for in-house distribution. The address to mail such media transfers is:

Maryland Transportation Authority
Engineering Division
300 Authority Drive
Baltimore, MD 21222
ATTN: Kataw Say

ADD:

(d) Electronic Submittal Format. All electronic submittals shall be in a format readable by the Administration. The submittals shall be in Adobe portable document format (PDF) compatible with version 6.0 of Adobe Acrobat.

Each submittal shall be a single file. Multi-file submittals shall not be accepted.

The first page of each submittal shall be a cover page. The cover page must be in the 8.5 x 11" sheet format. The cover page must include:

1. Contract number.

2. Contract title.

3. Submittal Number. For each project (Contract), a sequential number starting with number 1 shall be used. Where a submittal is rejected, or otherwise require

resubmittal or replacement, the Submittal number shall be appended with an "R" followed by the revision number.

4. The Contractor's name, mailing address, contact phone number, contact email address.

5. The relevant line items in the contract that the submittal is associated with.

6. A brief description of the materials or data represented in the submittal package.

7. The date of the submittal.

8. The manufacturer's name, web site address, mailing address, and contact phone number, if applicable.

9. The vendor's or reseller's name, web site address, mailing address, and contact phone number if applicable.

10. The cover page must contain a 6" x 3" blank space where engineering stamps may be placed (electronically) without covering data in the page.

The electronic file must not be secured. The review process for electronic submittals will place electronic stamps and may include electronic comments in the electronic submittals by the Contractor. Any security or compatibility problems that prevent the use of the electronic stamps or electronic commenting will render the submittal unacceptable. The returned file may be secured to prevent accidental changes.

ADD:

(e) File Naming Conventions and rules. It is necessary and required that file naming conventions and rules be followed to lend to organization and reduce confusion regarding the electronic submissions. Submittals that do not follow the file naming conventions described herein will be rejected without review. Strict adherence to the file naming rules is required. The file names for electronic submissions shall follow these rules:

1. The first six characters must be the first six characters of the contract number. For example, for contract KB2424-000-002, the first six characters of the file name must be KB2424.

2. The seventh character must be a dash.

3. The eighth through tenth characters shall be the text "SUB," which is short for submittal. Which is used to indicate that the file is a submittal from a Contractor.

4. The eleventh character must be a dash.

5. The twelfth through fourteenth characters must be the submittal number, e.g., 001.

6. In the event of a re-submittal, the 15th character will be an R followed by the re-submittal number.

7. The remaining filename characters may be any short descriptive characters that may be useful to identify the nature of the submittal (fewer than 40 additional characters).

8. Examples of filenames:

   i. KB2424-SUB-001-Conduit.pdf

   ii. KB2424-SUB-001R2-Conduit.pdf

   iii. KB2424-SUB-015-Fiber Optic Cable.pdf

9. After the submittal has been reviewed, the text 'SUB' will be replaced by the text 'TRN' by the administration and the electronic file with electronic stamps and possibly containing electronic comments will be returned to the contractor via email, CD, DVD, or similar electronic file transfer.

ADD:

(f) Upon completion of the project, all electronic files that have been transmitted to the Contractor (TRN's) shall be transferred to CD's, DVD's or other media by the Contractor and provided to the Administration along with as-built data. Data provided shall include any original files in original format, used to generate the PDF submittals, these may include CADD, Visio, Word, Excel, MathCad, Access/DataBase, HTML, JPG/Pictures, Power point, or any other format that may have been used as the originating document. Provide three (3) copies of all media.

ADD:

(g) Requests for Information (RFI) shall be submitted by the contractor in electronic format PDF. A sample blank RFI form can be supplied by the Authority. Each RFI shall consist of a single question or set of questions closely related to a single issue. Each RFI shall be uniquely numbered starting with RFI#001, then RFI#002, RFI#003, etc... Numbering shall be sequential to aid in the identification of missing or lost RFI's. (RFI and submittals are not on the same numbering system so there will be an RFI#1 as well as Submittal#1.)

Each RFI shall identify:

1. The Contract number.

2. The Contract title.

3. RFI Number.

4. The Contractor's name, mailing address, contact phone number, contact email address.

5. The relevant line items in the Contract that the RFI is associated with. The relevant plan sheet numbers, specification page numbers, or other reference documents that the RFI is associated with.

6. Any relevant facts, figures, issues that impact the RFI.

7. The question to be answered.

8. The date of the RFI.

Allow up to 20 business days for response to RFIs. If particular RFI's require action sooner to prevent delays or impacts, identify such RFI's; however answers cannot be guaranteed any faster. Submit RFI's using the same process identified in (c) above. Filename convention for RFI's shall be as follows:

1. The first six characters must be the first six characters of the contract number. For example, for contract KB2424-000-002, the first six characters of the file name must be KB2424.

2. The seventh character must be a dash.

3. The eight through tenth characters shall be the text "RFI," which is short for Request For Information. Which is used to indicate that the file is a Request For Information from a Contractor.

4. The eleventh character must be a dash.

5. The twelve through fourteenth characters must be the RFI# number, e.g., 001.

6. The Fifteenth character shall be a dash.

7. The Sixteenth character shall begin a short description of the RFI. (E.g.: Question about wire colors)

The answered RFI will be returned with the 'RFI' text changed to 'ANS' to indicate that an answer is provided.

HVAC UNIT#1 Panel P-1N RIGHT

Breaker Type	Amps	Poles	CKT.	NO.	Poles	Amps	Breaker Type
SPACE			1	2	1	30	Westinghouse
SPACE			3	4	1	30	Westinghouse
SPACE			5	6			SPACE
FPE	15	3	7	8	3	15	FPE
			9	10			
			11	12			
FPE	25	3	13	14	3	15	FPE
			15	16			
			17	18			
FPE	25	3	19	20	3	25	FPE
			21	22			
			23	24			
FPE	40	1	25	26	3	90	FPE
SPACE			27	28			
SPACE			29	30			
SPACE			31	32			SPACE
SPACE			33	34			SPACE
SPACE			35	36			SPACE

Service: 277/480 Vac 3 Phase 4 Wire

Circuits: 36 Bus Amps: 225 (A) AIC: 14K

HVAC UNIT #3 Panel P-1E

Breaker Type	Amps	Poles	CCT		Poles	Amps	Breaker Type
FPE	20	3	1	2	3	20	FPE
			3	4			
			5	6			
FPE	30	3	7	8	3	20	FPE
			9	10			
			11	12			
Westinghouse	90	3	13	14	3	30	FPE
			15	16			
			17	18			
FPE	20	1	19	20	3	90	FPE
FPE	20	1	21	22			
SPACE			23	24			

Service: 277/480 Vac 3 Phase 4 Wire

Circuits: 24 Bus Amps: 100 (A)

Panel P-2E

Breaker Type	Amps	Poles	CCT		Poles	Amps	Breaker Type
FPE	20	1	1	2	1	20	FPE
FPE	20	1	3	4	1	20	FPE
FPE	20	1	5	6	1	20	FPE
FPE	20	1	7	8	1	20	FPE
FPE	20	1	9	10	1	20	FPE
FPE	20	1	11	12	1	20	FPE
FPE	20	1	13	14	3	30	FPE
FPE	30	2	15	16			
			17	18			
FPE	20	1	19	20	1	20	FPE
FPE	20	1	21	22	1	20	FPE
FPE	20	1	23	24	1	20	FPE

Service: 120/208 Vac 3 Phase 4 Wire

Circuits: 24 Bus Amps: 100 (A)

PANEL	VOLTAGE	TYPE	CKT BKR TYPE	QTY	DESCRIPTION
MDP	480Y/277V	CDP	FP-50	1	1000A Main, 600VAC
			NJL	2	3P 400A 480V 30KAIC
			NJL	1	3P 200A 480V 30KAIC
			NJL	3	3P 175A 480V 30KAIC
			HEF	1	3P 60A 480V 25KAIC
			HEF	1	3P 50A 480V 25KAIC
			HEF	1	3P 25A 480V 25KAIC
			HEF	1	3P 20A 480V 25KAIC
EDP	480Y/277V	CDP	HEF	2	3P 30A 480V 18KAIC
			HEF	1	3P 40A 480V 18KAIC
			HEF	1	3P 100A 480V 18KAIC
			HEF	2	3P 45A 480V 18KAIC
			HEF	2	3P 50A 480V 18KAIC
			NJL	1	3P 150A 480V 30KAIC
L2N	480Y/277V	NH1B	HEF	24	1P 20A 480V
P1N-L	480Y/277V	CDP	HEF	18	1P 20A 480V
			HEF	1	3P 100 480V
P1N-R	480Y/277V	CDP	Westinghouse	2	1P 30A
			HEF	1	1P 40A
			HEF	3	3P 15A
			HEF	3	3P 25A
			HEF	1	3P 90A
P3N	480Y/277V	CDP	HEF	19	1P 20A
			Westinghouse/Cutler	10	1P 30A
P1E	480Y/277V	NH1B	HEF	2	1P 20A
			HEF	3	3P 20A
			HEF	2	3P 30A
			HEF	1	3P 90A
			Westinghouse	1	3P 90A
P2E	208Y/120V	NH1B	NL	19	1P 20A
			NL	1	2P 30A
			NL	1	3P 30A

SCHEDULE OF PRICES

Note - this proposal shall be filled in by the bidder, with the prices written in words and numerals. The extension amounts of unit costs shall also be filled in. For complete information concerning these items, see specifications, special provisions and contract form.

ITEM NOS.	APPROXIMATE QUANTITIES	DESCRIPTION OF ITEM AND PRICE BID (IN WRITTEN WORDS)	UNIT PRICE DOLLARS C' S	AMOUNTS DOLLARS C' S
8013	3	REPLACEMENT FOR NE 3P, 50A, 480Y/277V, 18KAIC CIRCUIT BREAKER - PER EACH AT _____EA		
8014	1	REPLACEMENT FOR NJL 3P, 150A, 480Y/277V, 30KAIC CIRCUIT BREAKER - PER EACH AT _____EA		
8015	113	REPLACEMENT FOR HEF 1P, 20A, 480Y/277V CIRCUIT BREAKER - PER EACH AT _____EA		
8016	1	REPLACEMENT FOR HEF 3P, 100A, 480Y/277V CIRCUIT BREAKER - PER EACH AT _____EA		
8017	1	REPLACEMENT FOR HEF 1P, 40A, 480Y/277V CIRCUIT BREAKER - PER EACH AT _____EA		
8018	3	REPLACEMENT FOR HEF 3P, 15A, 480Y/277V CIRCUIT BREAKER - PER EACH AT _____EA		

STATE CONTRACT NO. KB 2424-000-002

SCHEDULE OF PRICES

Note - this proposal shall be filled in by the bidder, with the prices written in words and numerals. The extension amounts of unit costs shall also be filled in. For complete information concerning these items, see specifications, special provisions and contract form.

ITEM NOS.	APPROXIMATE QUANTITIES	DESCRIPTION OF ITEM AND PRICE BID (IN WRITTEN WORDS)	UNIT PRICE DOLLARS	UNIT PRICE C' S	AMOUNTS DOLLARS	AMOUNTS C' S
8019	3	REPLACEMENT FOR HEF 3P, 25A, 480Y/277V CIRCUIT BREAKER - PER EACH AT _____ EA				
8020	2	REPLACEMENT FOR HEF 3P, 90A, 480Y/277V CIRCUIT BREAKER - PER EACH AT _____ EA				
8021	1	REPLACEMENT FOR NJF 3P, 175A, 480Y/277V, 30KAIC CIRCUIT BREAKER - PER EACH AT _____ EA				
8022	3	REPLACEMENT FOR HEF 3P, 20A, 480Y/277V CIRCUIT BREAKER - PER EACH AT _____ EA				
8023	2	REPLACEMENT FOR HEF 3P, 30A, 480Y/277V CIRCUIT BREAKER - PER EACH AT _____ EA				
8024	19	REPLACEMENT FOR NL 1P, 20A, 208Y/120V CIRCUIT BREAKER - PER EACH AT _____ EA				

STATE CONTRACT NO. KB 2424-000-002