



Virg Bernero, Mayor

**CITY OF LANSING**  
PURCHASING OFFICE  
1232 Haco Dr.  
Lansing, Michigan 48912  
(517) 702-6197

<http://www.lansingmi.gov/purchasing>

June 1, 2015

**NOTICE TO BIDDERS**  
**B/15/091**  
**BACK UP GENERATOR FOR FIRE MAINTENANCE AND ALARM**

*The City of Lansing officially distributes all Purchasing documents through the Michigan Inter-governmental Trade Network (MITN) and the City of Lansing Purchasing Office. Our office no longer mails bid documents, notices or addendums to our vendors. To register for the MITN system or access bid information, including addendums, go to [www.mitn.info](http://www.mitn.info)*

Sealed Bids marked "**B/15/091 BACK UP GENERATORS FOR FIRE MAINTENANCE AND ALARMS**," will be accepted at the **City of Lansing, Purchasing Office, 1232 Haco Dr., Lansing, Michigan 48912**, until 3:00 p.m., local time in effect on **JUNE 11, 2015**. Bids will be opened and read aloud immediately thereafter in the conference room. **Two (2) copies of the bid proposal section required.**

A Bid Guaranty (in accordance with Federal Circular No. 570) in the amount equal to but not less than 5% of the total amount of the proposal shall accompany all bids. Certified checks, bank drafts, negotiable U.S. Government Bonds (at par value), Small Business Administration Guaranteed Securities, or a Bid Bond will be acceptable. (See page 3 of specifications for complete requirements for Bid Guaranty). Bonding agencies must be approved for doing business in the State of Michigan. **No "off-shore" bonding agencies will be accepted. \*\*\*\*Two (2) copies of the bid proposal section required.\*\*\*\***

Bid results will **only** be released via email, self-addressed stamped envelopes or on the Internet at [www.mitn.info](http://www.mitn.info). Please forward your email request to: [slr@lbwl.com](mailto:slr@lbwl.com)

If any changes or additions are required for this bid an addendum will be issued by the Finance Department. All addenda received shall be listed on the outside of your bid envelope. Any proposal received without each addendum listed by number and date received on the outside of the bid proposal when submitted, may be declared a non-responsive bid.

The City of Lansing encourages bids from all vendors including MBE/WBE and Lansing-based vendors.

*The City of Lansing gives preference to Lansing-based job providers in the procurement of all goods and services, and will give priority to those firms that provide the City with goods the City may require for this or other projects as made or provided for by United States based firms, with appropriate documentation provided with bid response showing U.S. manufacturing or assembly.*

***The City strongly encourages general contractors to provide opportunities for minority-and women-owned businesses/subcontractors to participate in this project along with use of Lansing-based businesses.***

**If you have any questions please contact Stephanie Robinson CPPB , Senior Buyer, at (517) 702-6197. Technical questions should be directed to William Oberst, at (517) 882-6418. SITE VISITS BY APPOINTMENT ONLY.**

Stephanie Robinson CPPB  
Senior Buyer



Virg Bernero, Mayor

**FINANCE DEPARTMENT**

PURCHASING OFFICE  
124 W. Michigan Avenue, 8<sup>th</sup> floor  
Lansing, Michigan 48933-1603  
(517) 483-4124

<http://www.lansingmi.gov/finance/purchasing>

**CERTIFICATION REGARDING  
DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS**

The prospective participant certifies, to the best of its knowledge and belief, that it and its principals:

- (1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in transactions under any non-procurement programs by any federal, state or local agency.
- (2) Have not, within the three year period preceding, had one or more public transactions (federal, state, or local) terminated for cause or default; and
- (3) Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state, or local) and have not, within the three year period preceding the proposal, been convicted of or had a civil judgment rendered against it:
  - (a) For the commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public transaction (federal, state, or local), or a procurement contract under such a public transaction;
  - (b) For the violation of federal, or state antitrust statutes, including those proscribing price fixing between competitors, the allocation of customers between competitors, or bid rigging; or
  - (c) For the commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

I understand that a false statement on this certification may be grounds for the rejection of this proposal or the termination of the award. In addition, the general grant of this authority exists within the City's Purchasing Ordinance, Sec. 206.02 (a) (1) (G).

**[ ] I am able to certify to the above statements.**

Name of Agency/Company/Firm *(Please Print)*

---

Name and title of authorized representative *(Please Print)*

---

Signature of authorized representative

Date

**[ ] I am unable to certify to the above statements. Attached is my explanation.**

## **Attention Bidders**

The City of Lansing in partnership with the business community recognizes the need to facilitate economic development in our community. As part of the economic growth strategy, the City has incorporated the Local Preference into the City Purchasing policies.

### **Local Preference Statement:**

A Lansing based business that has been deemed responsive and responsible according to the requirements of the Purchasing Ordinance that is within 5% of the low bid will be given an opportunity to match the low bid amount to receive the contract. If there is more than one qualified, responsive and responsible Lansing based bidder, the first opportunity to match the low bid will go to the Lansing based firm with the lowest bid.

If the Lansing based business refuses to match the low bid, the contract will be awarded to the responsive and responsible low bidder.

Projects greater than \$500,000 are exempt from the Ordinance.

### **Qualifications for Lansing Based Business status:**

1) Pay City income taxes on Net Profits

and

2) Pay City property taxes on a plant or office and equipment used for the performance of the contract bid upon - or - other real or personal property in the City of Lansing equivalent in value to such plant or office and equipment for not less than one year prior to determination.

### **Additional Information:**

The full copy of the Ordinance is on file in the Purchasing Office, the City Clerk's office or on the City of Lansing Purchasing Web site located at:

<http://www.lansingmi.gov/finance/purchasing>

**Solicitation Number:**   B/15/091  

**Solicitation Name:**   GENERATOR FOR FIRE MAINT AND ALARM  

The City of Lansing Purchasing Office is collecting information regarding the use of the MITN e-procurement system. We are also collecting demographic information regarding woman-owned, minority-owned and Lansing based business. This form will not be used during the evaluation of bids or proposals. You may return this sheet, which is voluntary, with your submittal or shortly thereafter. Please, do not staple this to your bid document.

**I. Where did your firm receive of this solicitation?** Please check all that apply.

City of Lansing Purchasing Web Page <http://www.mitn.info>

City of Lansing Purchasing Office

Other, please

list: \_\_\_\_\_

**II. Demographic Information:**

Is your firm located or have a business office within the corporate city limits of Lansing

yes \_\_\_\_\_ no \_\_\_\_\_

**III. Company Information**

**Federal Tax ID Number** \_\_\_\_\_

\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Address (Street, City, State, ZIP)

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Fax Number

\_\_\_\_\_  
Web Site Address

\_\_\_\_\_  
Contact Person

Thank you for your participation.

CITY OF LANSING  
PURCHASING OFFICE  
1232 HACO DR.  
LANSING, MICHIGAN 48912

**THIS IS NOT AN ORDER**

NOTE: If your bid/quotation is not returned and **completed** on this form, it may not be considered.  
Bid/quotation number must appear on outside of return envelope.

REQUEST FOR BID # B/15/091 FOR: **GENERATOR FOR FIRE MAINT AND ALARM**

DATE: June 1, 2015 - LANSING FIRE DEPARTMENT

**SEALED BIDS DUE 3:00 PM, LOCAL TIME IN EFFECT JUNE 11, 2015**

The City of Lansing Purchasing Office requests bids for the GENERATORS FOR FIRE MAINT AND ALARM as per the attached specifications.

ITEM	QTY	DESCRIPTION	Delivered Price Each	Total Delivered Price
A	1	<b><u>BACK UP GENERATOR</u></b> (as per attached specifications, installed and delivered to Lansing )	\$	\$
B	1	<b>Installation of Generators (Prevailing wage rates apply)</b>	\$	\$
C		<b>Total</b>		\$

The City reserves the right to accept any bid, to reject any or all bids and to make the award in the best interest of the City. Alternative mfg/models might be considered.

**All vendors shall be current in payment of any taxes, licenses, fees, permits or any other monies due the City of Lansing at time of bid due date as per City of Lansing Ordinance Section 206.02(a)1(G).**

Any contractual or bid package questions should be directed to Stephanie Robinson at (517) 702-6197. *Technical questions should be directed to William Oberst at (517) 882-6418.*

FEDERAL I.D.# _____	ADDRESS _____	<b>NOTE:</b> Bid results will <b>only</b> be released via email or on the Internet at <a href="http://www.mitn.info">www.mitn.info</a>
COMPANY _____	CITY & STATE _____	
SIGNATURE _____	TELEPHONE _____	
PRINTED NAME _____	F.O.B. _____	
TITLE _____	SHIP VIA/ROUTING: _____	
DATE: _____	TERMS: _____	

**MICHIGAN CIVIL RIGHTS ACT**

Contractor shall not discriminate in hiring or its terms and conditions of employment on the basis of race, religion, creed, nation origin, color, sex, marital status, age, height, or weight, nor on the basis of handicap except where the same is based on a bona fide job requirement. Neither shall Contractor discriminate in the sales of products or the rendering of services pursuant to this contract on the basis of any of those categories.

Specifications:

The City of Lansing Purchasing Department request bids for BACK UP GENERATORS FOR FIRE Maint and Alarm Building, Pleasant Grove, Lansing Mi. 48911

Generator and Installation should be bid as two separate line items. Project must be invoiced by July, 2015 Due to budget restraints, product may be installed internally by City of Lansing.

Delivered to :

Do the items bid meet the specifications

Is the item bid in stock? \_\_\_Yes \_\_\_No

If no, what is the approx. delivery date? \_\_\_\_\_

This is a prevailing wage project.

COMPANY NAME:\_\_\_\_\_

AUTHORIZED SIGNATURE:\_\_\_\_\_

ADDRESS:\_\_\_\_\_

CITY/STATE/ZIP:\_\_\_\_\_

PHONE: \_\_\_\_\_ DATE: \_\_\_\_\_

FAX: \_\_\_\_\_ EMAIL: \_\_\_\_\_

**A. PREPARATION OF BID:** Execute bid fully and properly. Submit the bid on this form in a sealed envelope to this office prior to the opening time when bids will be publicly opened and read aloud.

**B. SIGNATURES:** All bids, notifications, claims and statements must be signed as follows:

(1) **CORPORATIONS:** Signature of official shall be accompanied by a certified copy of the resolution of the Board of Directors authorizing the individual signing to bind the corporation.

(2) **PARTNERSHIPS:** Signature of one partner shall be accompanied by a certified copy of the power of attorney authorizing the individual signing to bind all partners. If bid is signed by all partners no authorization is needed.

**C. REJECTION OR WITHDRAWAL:** The City reserves the right to reject any bids and to waive any defects in bids. Bids may not be withdrawn within 90 days after opening date without forfeiting bid security.

**D. CONTRACT:** Upon acceptance by the City, this document will constitute the contract. The contract, however, shall not be in force until the Contractor has complied with all of the requirements of insurance and bonds.

**E. DEFAULT TO CITY:** It is understood that any bidder who is in default to the City at the time of submittal of the bid shall have his bid under the proposal declared null and void.

#### **GENERAL CONDITIONS**

##### **1. DEFINITIONS:**

"CITY" - the City of Lansing.

"DIRECTOR" - the head of the Department indicated in the proposal or his authorized representative.

"CONTRACTOR" - the bidder whose proposal is accepted by the City.

"NOTIFICATION" - written notice delivered in person or by mail.

"CONTRACT DOCUMENTS" - this document and supplemental specifications and drawings.

**2. CONFLICTS AND OMISSIONS:** The intent of the contract documents is to provide everything necessary for the proper execution of the work. In case of conflict, the work shall not proceed until a decision has been agreed upon by all parties concerned. Directors decision shall be final.

**3. ROYALTIES, PATENTS, NOTICES AND FEES:** Contractor shall give all notices and pay all royalties and fees. He shall defend all suits or claims for infringement of any patent rights and shall save the City harmless from loss on account thereof. He shall comply with all laws, ordinances and codes applicable to any portion of the work.

**4. MATERIALS AND WORKMANSHIP:** Unless otherwise specified all materials and workmanship shall be new and of the best grade of their respective kinds for the purpose. Whenever an article, material, or equipment is specified by name, a substitute of equal qualifications may be used upon the written approval of the Director.

**5. OTHER CONTRACTS:** The City may let other contracts in connection with the work and the Contractor shall properly connect and coordinate his work with the work of such other contractors to execute their work as may be anticipated by these documents.

**6. INSPECTION:** Contractor shall at all times permit and facilitate inspection of the work by the Director.

**7. TERMINATION FOR BREACH:** The City may terminate this contract for violations hereof when violations are not stopped immediately and corrected within a reasonable length of time after

notification by the Director. In the event of such termination, the City may complete the contracted work and the contractor will be liable for any excess cost occasioned the City thereby and in such case the City may take possession of and utilize in completing the work such materials and equipment as may be on the site and necessary therefore.

**8. GUARANTEE:** Contractor shall furnish the City with a written guarantee to remedy any defects due to faulty materials or workmanship which appear in the work within one year from the date of final acceptance by the City.

**9. PAYMENT:** Payment for the work will be made in one sum at the completion of the contract except that, at the City's option, partial payments aggregating 90% of the value of the completed work may be made at monthly intervals when the bonds in section 12 are furnished. If Contractor expects to request partial payments he shall submit a schedule of costs and quantities of the various parts of the work aggregating the total contract sum. When applying for payments, Contractor shall submit a statement based upon this schedule, itemized and supported as the Director may require.

Contract will not be considered complete until the work has been finally accepted by the City Unit and the Director and the following have been furnished:

(a) The required guarantees, and

(b) satisfactory evidence that all payrolls, material bills, and other indebtedness connected with the work, have been paid.

(c) If contract is terminated by the City, Contractor shall be entitled solely to payment for that portion of the contract completed by said Contractor at the time of termination minus set off and/or damage to City occasioned by Contractor's breach. Payment shall not be made until after contract project is completed, as determined by the Director.

**10. LIABILITY FOR TAXES:** When the terms of this contract involves the lease of property real or personal to the City, it is understood that lessor shall be solely responsible for the payment of all taxes of any nature whatsoever that accrue on the property during the terms of the lease.

**11. INSURANCE:** No work connected with this contract shall be started until the Contractor has submitted evidence to the Director and City Clerk that (a) all workmen are insured to protect him from claims for damages for personal injury or death which may arise from operations under this contract and that (b) he is covered by \$1,000,000.00 combined single limit for personal injury and property damage. All of the above insurance shall be maintained during the life of this contract. The City shall be carried as an "Additional Insured". Partial payments shall not relieve the Contractor from full responsibility for any damage which may result from any cause including fire or other casualty until completion of the contract and final payment. Any casualties shall not relieve the contractor from performing the contract. All insurance must include an endorsement providing for twenty (20) days prior written notice of termination, expiration, or material change of terms.

**12. HOLD HARMLESS:** To the fullest extent permitted by law, the contractor/vendor shall indemnify, defend, and hold harmless the City of Lansing, its officers, agents, employees, elected, and appointed officials, and volunteers from and against any and all claims, losses or liability, including attorney's fees, arising from injury or death to persons or damage to property occasioned by any act, omission, or failure of the contractor/vendor and any of its officers, agents, employees, and volunteers in satisfying the terms required by this contract.

REPORT: SD4501.  
 REQUESTED BY : SD720  
 INSTALLATION : 2J9J-1  
 MAP REFERENCE : NWLG32 493021  
 AVAILABLE KVA : 50.0

CUSTOMER CORRELATION REPORT

DATE: 5/12/15  
 PAGE: 1

LOCATION : 2119 FERROL ST LANSING  
 SUBS/CIRC: PLEASANT GROVE 3

SERV	ADDRESS	METER	MANL	RATE	RCI	AMPS	VOLTAGE	PH	P/S	PEAK DEMAND (KW)			AVERAGE		CUSTOMER	
										SPRING	SUMMER	FALL	WINTER	DEMAND		
0M35	2041 FERROL ST LANSING	00154199	N	01	R	30	120/240	1	S	3.3	4.2	3.4	4.4	3.0	CAROL A QUIMBY	
0M38	2042 FERROL ST LANSING	00092655	N	01	R	30	120/240	1	S	2.9	4.3	3.2	3.6	2.8	VERINA L THORNTON	
0M3C	2103 FERROL ST LANSING	00088681	N	01	R	30	120/240	1	S	3.1	3.6	3.4	3.6	2.0	SUZETTE T BABCOCK	
0M3G	2104 FERROL ST LANSING	00148376	N	01	R	30	120/240	1	S	6.8	6.1	7.2	10.3	2.6	MAX H PERRY	
0M3K	2107 FERROL ST LANSING	00089163	N	01	R	30	120/240	1	S	3.5	6.6	3.1	2.9	1.9	BOARD OF WATER AND	
0M3N	2112 FERROL ST LANSING	00098181	N	01	R	30	120/240	1	S	1.4	2.3	1.9	2.4	1.0	RICHARD A HOMER	
0M3R	2113 FERROL ST LANSING	00144127	N	01	R	15	120/240	1	S	3.0	3.3	2.3	3.3	1.5	WILLIAM T CARDY	
0M3S	2114 FERROL ST LANSING	00089150	N	01	R	30	120/240	1	S	1.3	2.3	1.7	2.2	0.8	RICHARD A HOMER	
0M3X	2116 FERROL ST LANSING	00152790	N	01	R	30	120/240	1	S	1.4	2.0	1.4	1.4	1.1	MARY A PRINCE	
7GQ8	2116 FERROL ST LANSING		N	09	R					0.2	0.2	0.2	0.2	0.2	RICHARD A HOMER	
0M3Z	2118 FERROL ST LANSING	00131313	N	01	R	30	120/240	1	S	1.8	1.3	1.2	1.3	0.8	RACHEL MERRICK	
0M42	2119 FERROL ST LANSING	00108959	N	01	R	100	120/240	1	S	2.9	3.8	2.3	3.9	1.9	VIRGIL L HALL SR	
0M45	2125 FERROL ST LANSING	00144128	N	01	R	15	120/240	1	S	1.9	3.0	3.4	2.8	1.4	JAMES A HERSHEY	
47QS	3625 PLEASANT GROVE RD LAN	00042218	N	21	R	30	120/240	1	S	2.0	1.7	1.6	2.1	1.2	GERALDINE PAGE	
47QX	3703 PLEASANT GROVE RD LAN	00143488	N	01	R	15	120/240	1	S	2.5	4.5	2.8	3.0	2.3	HOWARD RHODABECK	
7XM0	3703 PLEASANT GROVE RD ON P		N	03	C	6	120/240	1	S	1.1	1.1	1.1	1.1	1.0	COMCAST CABLE COMM	
47R1	3708 PLEASANT GROVE RD LAN	00123388	N	03	C	30	120/240	1	S	19.2	29.0	20.3	14.9	13.4	LANSING CITY OF FI	
NBR SERVICES: 17										TOTAL DEMAND		58.3	79.3	60.5	63.4	38.9

SPRING: March 16 - June 15  
 SUMMER: June 16 - September 15  
 FALL : September 16 - December 15  
 WINTER: December 16 - March 15



REPORT: SD4501.

CUSTOMER CORRELATION REPORT

DATE: 5/12/15

REQUESTED BY : SD720

INSTALLATION : 2NJD-1

MAP REFERENCE : NELG31-492187

AVAILABLE KVA : 75.0

LOCATION : 3708 PLEASANT GROVE RD LANSING

SUBS/CIRC: PLEASANT GROVE 3

PAGE: 1

SERV	ADDRESS	METER	MANL	RATE	RCI	AMPS	VOLTAGE	PH	P/S	PEAK DEMAND (KW)			AVERAGE	CUSTOMER			
										SPRING	SUMMER	FALL	WINTER DEMAND				
8JBS	3708 PLEASANT GROVE RD LAN	00150403	N	03	C	100	480	3	S	6.0	2.0	7.0	7.0	2.8	LANSING CITY OF FI		
NBR SERVICES: 1										TOTAL DEMAND			6.0	2.0	7.0	7.0	2.8

ROOM FOR A TOTAL  
COMBINED 200A

75 KVA @ 480 ≈ 200A MAX

SPRING: March 16 - June 15  
 SUMMER: June 16 - September 15  
 FALL : September 16 - December 15  
 WINTER: December 16 - March 15

CITY OF LANSING  
FIRE DEPARTMENT  
FIRE MAINT & ALARM  
ON SITE EMERGENCY POWER SYSTEM EQUIPMENT

Section 1.0 : General Requirements

1.1 Scope

Provide, install, and acceptance test a complete and operable Emergency/Standby electric generating system, including all devices and equipment specified herein, as shown on the drawings, or required for the service. Equipment shall be new, factory tested, and delivered ready for installation.

1.2 Approved Manufacturers: Cummins/Onan(Basis of Design), Kohler & proposed substitutes as listed.

Proposed substitutions shall include complete submittal data, as specified herein, clearly denoting any and all deviations and/or exceptions to the equipment specified. The complete proposal must be submitted to the engineer or architect for approval/disapproval not less than 10 days prior to the scheduled bid date. If approved, the Contractor is responsible for the charges for all necessary revisions.

Submit the following information with the proposal package for review and evaluation 10 days prior to scheduled bid date:

- A paragraph by paragraph specification compliance statement, describing the differences between the specified and the proposed equipment.
- Dimensions of the generator sets, transfer switches, paralleling equipment (when specified) and accessory hardware, including plan and elevation drawings.
- Sequence of operation if required to enhance the description included in this specification.
- Indication of the nearest field service office staffed with factory trained technicians. Provide service organization data and manpower. Indicate typical response time for emergency calls. Provide typical scenario for an emergency service call.

1.3 Submittals:

Within 10 days after award of contract, provide six sets of the following information for review:

- Manufacturer's product literature and performance data, sufficient to verify compliance to specification requirements.
- A paragraph by paragraph specification compliance statement, describing the differences between the specified and the proposed equipment.
- Manufacturer's certification of prototype testing.
- Manufacturer's published warranty documents.
- Shop drawings showing plan and elevation views with certified overall dimensions, as well as wiring interconnection details.
- Interconnection wiring diagrams showing all external connections required; with field wiring terminals marked in a consistent point-to-point manner.
- Manufacturer's installation instructions.

#### 1.4 Warranty:

Shall be provided for all products against defects in materials and workmanship for one year period from the start-up date.

#### 1.5 Single Supplier:

The supplier shall be the manufacturer's authorized distributor, who shall provide initial start-up services, conduct field acceptance testing, and warranty service. The supplier shall have 24-hour service availability and factory-trained service technicians authorized to perform warranty service on all products provided.

#### 1.6 Manuals:

Operators and spare parts manuals shall be provided for all system equipment. The manuals shall include outline, interconnection, wiring, and control drawings accurately describing the equipment provided.

### Section 2.0: Products

#### 2.1 Diesel Engine-Generator Set:

4-cycle, 1800rpm, diesel engine generator set. Generator set ratings: 90KW, 90 kVA at 1 PF, standby rating, based on site conditions noted below. System voltage of: 120/240Volts AC, Single phase, Three-wire, 60 hertz. Site Conditions: Altitude 800ft. (244 meters), ambient temperatures up to 122 degrees F (50 degrees C).

##### 2.1.1 Prototype Tests and Evaluation:

Prototype tests shall have been performed on a complete and functional unit, component level type tests will not substitute for this requirement. Prototype testing shall comply with the requirements of NFPA 110 for level 1 systems.

##### 2.1.2 Performance:

Voltage regulation shall be +/- 1.0 percent for any constant load between no load and rated load.

Frequency regulation shall be isochronous from steady state no load to steady state rated load. Random frequency variation with any steady load from no load to full load shall not exceed plus or minus 0.25%.

Motor starting capability shall be a minimum of 300 kVA. The generator set shall be capable of sustaining a minimum of 90% of rated no load voltage with the specified kVA load at near zero power factor applied to the generator set.

### 2.1.3 Engine:

The engine shall be diesel, 4 cycle, radiator and fan cooled. Minimum displacement shall be 359 cubic inches(5.9 liters), with four cylinders. The horsepower rating of the engine at it's minimum tolerance level shall be sufficient to drive the alternator and all connected accessories. Two cycle engines are not acceptable. Engine accessories and features shall include:

An electronic governor system shall provide automatic isochronous frequency regulation.

Skid-mounted radiator and cooling system rated for full load operation in 122 degrees F (50 degrees C) ambient as measured at the generator air inlet. Radiator shall be provided with a duct adapter flange. The cooling system shall be filled with 50/50 ethylene glycol/water mixture by the equipment supplier. Rotating parts shall be guarded against accidental contact per OSHA requirements.

An electric starter(s) capable of three complete cranking cycles without overheating.

Positive displacement, mechanical, full pressure, lubrication oil pump.

Full flow lubrication oil filters with replaceable spin-on canister elements and dipstick oil level indicator.

An engine driven, mechanical, positive displacement fuel pump. Fuel filter with replaceable spin-on canister element.

Replaceable dry element air cleaner with restriction indicator.  
Flexible supply and return fuel lines.

Engine mounted battery charging alternator, 37 ampere minimum, and solid-state voltage regulator.

### 2.1.4 AC Generator:

The AC generator shall be; synchronous, four pole, 2/3 pitch, revolving field, drip-proof construction, single pre lubricated sealed bearing, air cooled by a direct drive centrifugal blower fan, and directly connected to the engine with flexible

drive disc. All insulation system components shall meet NEMA MG1 temperature limits for Class H insulation system. Actual temperature rise measured by resistance method at full load shall not exceed 105 degrees Centigrade.

The generator shall be capable of delivering rated output (kVA) at rated frequency and power factor, at any voltage not more than 5 percent above or below rated voltage.

A permanent magnet generator (PMG) shall be included to provide a reliable source of excitation power for optimum motor starting and short circuit performance. The PMG and controls shall be capable of sustaining and regulating current supplied to a single phase or three phase fault at approximately 300% of rated current for not more than 10 seconds

#### 2.1.5 Engine-Generator Set Control:

The NEMA 1 enclosed control panel shall be mounted on the generator set with vibration isolators. The control shall be vibration isolated and prototype tested to verify the durability of all components in the system under the vibration conditions encountered. The generator set mounted control shall include the following features and functions:

2.1.5.1 Three position control switch labeled RUN/OFF/AUTO. In the RUN position the generator set shall automatically start, and accelerate to rated speed and voltage. In the OFF position the generator set shall immediately stop, bypassing all time delays. In the AUTO position the generator set shall be ready to accept a signal from a remote device to start and accelerate to rated speed and voltage.

2.1.5.2 RESET switch. The RESET switch shall be used to clear a fault and allow restarting the generator set after it has shut down for any fault condition.

2.1.5.3 PANEL LAMP switch. Depressing the panel lamp switch shall cause the entire panel to be lighted with DC control power.

2.1.5.4 Generator Set AC Output Metering: The generator set shall be provided with a metering set with the following features and functions:

Analog AC Voltmeter, dual range, 90 degree scale, 2% accuracy; Analog AC Ammeter, dual range, 90 degree scale, 2% accuracy; Analog Frequency/RPM meter, 45-65 Hz, 1350-1950 RPM, 90 degree scale, +/- 0.6 Hz accuracy.

Seven position phase selector switch with OFF position to allow meter display of current and voltage in each generator phase. When supplied with re-connectable generators, the meter panel shall be re-connectable for the voltage specified.

#### 2.1.5.5 Generator Set Alarm and Status Display:

The generator set shall be provided with alarm and status indicating lamps to indicate non-automatic generator status, and existing alarm and shutdown conditions. The lamp condition shall be clearly apparent under bright room lighting conditions. The generator set control shall indicate the existence of the following alarm and shutdown conditions on the display panel:

- switch off (flashing)
- low oil pressure (alarm)
- low oil pressure (shutdown)
- low coolant temperature (alarm)
- high coolant temperature (alarm)
- high coolant temperature (shutdown)
- low coolant level (shutdown)
- over crank (shutdown)
- over speed (shutdown)
- low fuel-base tank (alarm)

In addition, provisions shall be made for indication of two customer-specified alarm or shutdown conditions. The non-automatic indicating lamp shall be red, and shall flash to indicate that the generator set is not able to automatically respond to a command to start from a remote location.

#### 2.1.5.6 Engine Status Monitoring:

The following devices shall be provided on the generator set control :

- engine oil pressure gauge
- engine coolant temperature gauge
- engine operation hour gauge
- battery voltage (DC volts)

#### 2.1.5.7 Control Functions:

The control system provided shall include a cycle cranking system, which shall be for 3 cranking periods of 15 seconds each, with 15 second rest period between cranking periods. Fail to start shall be indicated by operation of the over crank alarm indication lamp.

#### 2.1.5.8 Alternator Control Functions:

The generator set shall include an automatic voltage regulation system, which is matched and prototype tested with the governing system provided. It shall be immune from misoperation due to load-induced voltage waveform distortion and provide a pulse width modulated output to the alternator exciter. The system shall

include a torque-matching characteristic, which shall reduce output voltage in proportion to frequency below a threshold of [58-59] HZ for 60 Hz machines, and 48-49 Hz for 50 Hz machines.

Voltage adjusting rheostat, locking screwdriver type, to adjust voltage +/- 5% from rated value;

2.1.5.9 Control Interfaces for Remote Monitoring:  
Provide the following features in the control system:

Form "C" dry common alarm contact set rated 2A @ 30VDC to indicate existence of any alarm or shutdown condition on the generator set.

2.1.6 Base:

The engine-generator set shall be mounted on a heavy duty steel base to maintain alignment between components. The base shall incorporate a battery tray with hold-down clamps within the rails.

2.1.7 Generator Set Auxiliary Equipment and Accessories:

2.1.7.1 Water Jacket Heater

Engine mounted, thermostatically controlled, water jacket heater for each engine. The heater shall be sized as recommended by the generator set manufacturer. Heater voltage shall be as shown on the project drawings. Provide proper power supply circuits for the heater as required for the voltage and load of the heater, connected to a normally served distribution circuit.

2.1.7.2 Vibration Isolation

Vibration isolators, spring/pad type, quantity as recommended by the generator set manufacturer. Isolators shall include seismic restraints if required by site location.

2.1.7.3 Exhaust Silencer

Exhaust muffler shall be provided for each engine, size and type as recommended by the generator set manufacturer. The mufflers shall be critical grade. Silencer shall be mounted inside the generator enclosure with the exhaust outlet discharging vertically through the roof. Exhaust system shall be installed according to the generator set manufacturer's recommendations and applicable codes and standards.

2.1.7.4 Starting and Control Battery

Starting battery, calcium/lead antimony type, 12 volt DC, sized as recommended by the generator set manufacturer, shall be supplied for each generator set with battery cables and connectors.

2.1.7.5 Generator Set Main Circuit Breaker

Generator main circuit breaker: set-mounted and wired, UL listed, molded case type with electronic trip unit, rated at 200 amps, 3 pole, 480 volts. Submittals shall demonstrate that the circuit breaker provides proper protection for the alternator by a comparison of the trip characteristic of the breaker with the thermal damage characteristic of the alternator. Field circuit breakers shall not be acceptable for generator over current protection.

#### 2.1.7.6 Outdoor Weather-Protective Housing

Generator set housing shall be provided factory-assembled to generator set base and radiator cowling. Housing shall provide ample airflow for generator set operation at rated load in the ambient conditions previously specified. The housing shall have hinged side-access doors and rear control door. All doors shall be lockable. All sheet metal shall be primed for corrosion protection and finish painted with the manufacturers standard color using a two step electro-coating paint process, or equal meeting the performance requirements specified below. All surfaces of all metal parts shall be primed and painted. The painting process shall result in a coating which meets the following requirements:

- Primer thickness, 0.5-2.0 mils. Top coat thickness, 0.8-1.2 mils.
- Gloss, per ASTM D523-89, 80% plus or minus 5%. Gloss retention after one year shall exceed 50%.
- Crosshatch adhesion, per ASTM D3359-93, 4B-5B.
- Impact resistance, per ASTM D2794-93, 120-160 inch-pounds.
- Salt Spray, per ASTM B117-90, 1000+ hours.
- Humidity, per ASTM D2247-92, 1000+ hours.
- Water Soak, per ASTM D2247-92, 1000+ hours.

Painting of hoses, clamps, wiring harnesses, and other non-metallic service parts shall not be acceptable. Fasteners used shall be corrosion resistant, and designed to minimize marring of the painted surface when removed for normal installation or service work.

The enclosure shall include hinged doors for access to both sides of the engine and alternator, and the control equipment. Key-locking and pad-lockable door latches shall be provided for all doors. Door hinges shall be stainless steel.

The enclosure shall be provided with an exhaust silencer, which is mounted inside of the enclosure.

Silencer and exhaust shall include a rain cap and rain shield.

#### 2.1.7.7 Sub-Base Fuel Storage Tank

Provide a dual wall, sub-base fuel storage tank with 173 gallons capacity(24 hour run time). Provision for an electrical access wire way shall be provided for the electrical conduit connections, in rear of the sub-base tank frame. The tank frame shall be the same dimensions as the generator skid base frame. The tank shall



be constructed of corrosion resistant steel and shall be UL listed. The equipment, as installed, shall meet all local and regional requirements for above ground tanks.

## 2.2 Transfer Switch Equipment:

Provide complete factory assembled transfer equipment with electronic controls designed for surge voltage isolation, and including voltage sensors on all phases of both sources, linear operator, permanently attached manual handles, positive mechanical and electrical interlocking, and mechanically held contacts.

### 2.2.1 Transfer Switch Ratings:

The transfer switch shall be rated for 200 amps; three pole, 480v 3 phase.

All transfer switches and accessories shall be UL listed and labeled, tested per UL Standard 1008, and CSA Approved. Transfer switches used for fire pump applications shall be specifically listed for that service, per NFPA20.

Main contacts shall be rated for 600 Volts AC minimum.

Transfer switches shall be rated to carry 100 percent of rated current continuously in the enclosure, in ambient temperatures of -40 to +50 degrees C, relative humidity up to 95% (non-condensing), and altitudes up to 10,000 feet (3000M).

Transfer switch equipment shall have a withstand and closing rating (WCR) in RMS symmetrical amperes greater than the available fault currents shown on the drawings. The transfer switch and its upstream protection shall be coordinated. The transfer switch shall be third-party listed and labeled for use with the specific protective device(s) installed in the application.

### 2.2.3 Construction:

Transfer switches shall be double-throw, electrically and mechanically interlocked, and mechanically held in both positions.

Transfer switches rated through 1000 amperes shall be equipped with permanently attached manual operating handles and quick-break, quick-make over-center contact mechanisms suitable for safe manual operation under load. Transfer switches over 1000 amperes shall be equipped with manual operators for service use only under de-energized conditions.

Main switch contacts shall be high-pressure silver alloy. Contact assemblies shall have arc chutes for positive arc extinguishing. Arc chutes shall have

insulating covers to prevent inter-phase flashover. Provide one set Form C auxiliary contacts on both sides, operated by transfer switch position, rated 10 amps 250 VAC.

Transfer switches designated on the drawings as 4-poles shall be provided with a switched neutral pole. The neutral pole shall be of the same construction and have the same ratings as the phase poles. All poles shall be switched simultaneously using a common crossbar. Equipment using add-on accessory overlapping contacts are not acceptable.

Transfer switches designated on the drawings as 3-pole shall be provided with a neutral bus and lugs; sized to carry 100% of the current designated on the switch rating.

Enclosures shall be UL listed. The enclosure shall provide NEC wire bend space. The cabinet door shall be key-lockable. Controls on cabinet door shall be key-operated.

Transfer switches shall be mounted in a NEMA 3 enclosure. The cabinet shall provide required wire bend space at point of entry as shown on the drawings. Manual operating handles and all control switches (other than key-operated switches) shall be accessible to authorized personnel only by opening the key-locking cabinet door. Transfer switches with manual operating handles and/or non key-operated control switches located on outside of cabinet do not meet this specification and are not acceptable.

#### 2.2.4 Automatic Controls:

Transfer switches that are designated on the drawing as automatic shall be provided with a fully automatic control system, and provisions for manual operation as described in this section.

2.2.4.1 Control shall be solid-state and designed for a high level of immunity to power line surges and transients, demonstrated by test to IEEE Standard 587-1980. The control shall have optically isolated logic inputs, high isolation transformers for AC inputs, and relays on all outputs.

Solid-state under-voltage sensors shall simultaneously monitor all phases of both sources. Pick-up and drop-out settings shall be adjustable. Voltage sensors shall allow for adjustment to sense partial loss of voltage on any phase. Voltage sensors shall have field calibration of actual supply voltage to nominal system voltage.

The switch shall transfer when the emergency source reaches the set point voltage and frequency. Provide a solid-state time delay on transfer, adjustable from 0 to 120 seconds.

The switch shall retransfer the load to the normal source after a time delay retransfer, adjustable from 0 to 30 minutes. Retransfer time delay shall be immediately bypassed if the emergency power source fails.

Controls shall signal the engine-generator set to stop after a time delay, adjustable from 0 to 10 minutes, beginning on return to the normal source.

Power for transfer operation shall be from the source to which the load is being transferred.

The control shall include latching diagnostic indicators to pinpoint the last successful step in the sequence of control functions, and to indicate the present status of the control functions in real time, as follows:

- Source 1 OK
- Start Gen Set
- Source 2 OK
- Transfer Timing
- Transfer Complete
- Retransfer Timing
- Retransfer Complete
- Timing for Stop

The control shall include remote transfer inhibit and area protection features.

Transfer switches shall be equipped with field adjustable controls to allow the operator to control the transfer switch operating time during switching in both directions. The controls shall control the time the load is isolated from both power sources, to allow load residual voltage to decay before closure to the opposite source. The transfer switch operating speed control feature shall have an adjustable range of 0 to 7.5 seconds. Phase angle monitor is not acceptable substitute for this feature.

#### 2.2.4.2 Front Panel Devices:

Provide devices mounted on cabinet front consisting of:

A key-operated selector switch to provide the following positions and functions:

Test - Simulates normal power loss to control for testing of generator set.  
Controls shall provide for a test with or without load transfer.

Normal - Normal operating position.

Retransfer - Momentary position to override retransfer time delay and cause immediate return to normal source, if available.

Transfer switch position and source available lamps.

#### 2.2.5 Non-automatic Controls:

Transfer switches designated on the drawings as Non-Automatic shall be provided with a non-automatic control. The control shall operate the transfer switch position either by a remote contact opening or closing, or by a front panel mounted selector switch. The selector switch shall be a three-position switch. In the center Auto position the transfer switch shall transfer and retransfer in response to input signals as shown. The key shall be removable with the selector switch in the Auto position only. Turning the selector switch to the Emergency position shall transfer load to an energized emergency power source. Turning the selector switch to the Normal position shall transfer load to an energized normal power source.

##### 2.2.5.1 Front Panel Devices:

Provide devices mounted on the cabinet front consisting of:

A key-operated switch with standby and normal positions to manually switch between the standby and normal source.

Transfer switch position and source available lamps.

#### 2.2.6 Accessory Items

Transfer switches shall be equipped with accessories as follows:

2.2.6.1 Exerciser Clock: Provide solid state exerciser clock to set the day, time, and duration of generator set exercise/test period. Provide a with/without load selector switch for the exercise period.

2.2.6.2 Battery Charger: Provide a float charge battery charger rated 10 amps. DC output voltage shall be as required for the starting batteries. An ammeter shall display charging current. The battery charger shall have fused AC input and fused DC output. Include fault indications and Form C contact for AC Fail, High Battery Voltage, and Low Battery Voltage.

### 3.0: Execution

### 3.1 Installation:

Bid as a separate quote.

Equipment shall be installed by the contractor in accordance with final submittal drawings and contract documents. Installation shall comply with applicable state and local codes as required by the authority having jurisdiction. Install equipment in accordance with manufacturer's instructions and instructions included in the listing or labeling of UL listed products.

Installation of equipment shall include furnishing and installing all interconnecting wiring between all major equipment provided for the on-site power system. The contractor shall also perform interconnecting wiring between equipment sections (when required), under the supervision of the equipment supplier.

Equipment shall be installed on concrete housekeeping pads - 8" above finish grade. Equipment shall be permanently fastened to the pad in accordance with manufacturer's instructions and seismic requirements of the site.

Equipment shall be initially started and operated by representatives of the manufacturer.

All equipment shall be physically inspected for damage. Scratches and other installation damage shall be repaired prior to final system testing. Equipment shall be thoroughly cleaned to remove all dirt and construction debris prior to final testing of the system.

### 3.2 Factory Tests:

Equipment supplied shall be fully tested at the factory for function and performance.

Factory testing may be witnessed by the owner and consulting engineer. Costs for travel expenses will be the responsibility of the owner and consulting engineer. Supplier is responsible to provide two weeks notice for testing.

Generator set factory tests on the equipment shall be performed at rated load and rated PF. Generator sets that have not been factory tested at rated PF will not be acceptable. Tests shall include: run at full load, maximum power, voltage regulation, transient and steady-state governing, single step load pickup, and function of safety shutdowns.

Transfer equipment factory tests: Each transfer switch supplied shall be factory tested before shipment. Factory tests shall include a complete functional test of the transfer switch controls, including calibration of the voltage sensors.

### 3.3 On-Site Acceptance Test:

The complete installation shall be tested for compliance with the specification following completion of all site work. Testing shall be conducted by representatives of the manufacturer; with required fuel supplied by Contractor. The Engineer shall be notified in advance and shall have the option to witness the tests.

Installation acceptance tests to be conducted on-site shall include a "cold start" test, a two hour full load test, and a one step rated load pickup test in accordance with NFPA 110. Provide a resistive load bank and make temporary connections for full load test, if necessary.

### 3.04 Training

The equipment supplier shall provide training for the facility operating personnel covering operation and maintenance of the equipment provided. The training program shall be not less than 4 hours in duration and the class size shall be limited to 5 persons. Training date shall be coordinated with the facility owner.

### Year 2000 Compliance and Preparation

The proposed unit will be service and load bank tested before December 1st, 1999. Written report shall be forwarded to the owner. Generator supplier will include this service and testing as part of bid price.

### Site inspection, required for bid acceptance

Additional information regarding the scope of work.

City Chief Electrical Inspector has approved the special requirements that this installation will require.

Site has two services, 120/240v, 1 phase 200amp and a 480v. 3 phase 200amp

The end result is to have a single service, 480 Volt 3 phase, use a step down transformer to refeed the existing single phase equipment, and remove the low voltage service.

480 3 phase service will have the transfer switch installed between the meter and the main distribution panel, wire and pipe sized according to NEC.

From the main distribution panel, a step down transformer will be installed to refeed the existing 120/240 1 phase service equipment in the building. Step down transformer to be sized to adequately power the existing 1 phase equipment. Overcurrent protection, wire, and pipe size to be sized per National Electrical Code.

Peak demand information from the power company is included.

The 120/240 volt service will be disconnected and removed upon the existing service being refeed.

General Decision Number: MI 150084 03/20/2015 MI 84

Superseded General Decision Number: MI 20140084

State: Michigan

Construction Type: Building

County: Ingham County in Michigan.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of \$10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/02/2015
1	02/06/2015
2	02/20/2015
3	03/20/2015

ASBE0047-002 07/01/2013

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 28.82	15.78

BOIL0169-001 01/01/2014

	Rates	Fringes
BOILERMAKER.....	\$ 32.78	28.39

BRMI 0009-009 12/01/2013

	Rates	Fringes
BRI CKLAYER		
Bricklayer.....	\$ 27.37	17.20
Terrazzo and Tile Finisher..	\$ 17.67	13.40
Terrazzo and Tile Setter....	\$ 21.02	15.42

FOOTNOTE:

Paid Holiday: Fourth of July, if the worker was employed by the contractor in any period of seven working days before said holiday within the current calendar year.

CARP1004-004 07/01/2014

B 15 091 MI 84. txt  
Rates Fringes

CARPENTER (Soft Floor Layer,  
Including Carpet & Resilient  
Flooring)..... \$ 24.37 17.30

CARP1004-018 07/01/2014

Rates Fringes

CARPENTER, Includes  
Acoustical Ceiling  
Installation, Drywall  
Hanging, Form Work, and Metal  
Stud Installation..... \$ 24.37 17.30

CARP1102-002 06/01/2013

Rates Fringes

MI LLWRI GHT..... \$ 31.11 28.64

ELEC0252-001 06/03/2013

Townshi ps of Bunker Hi ll , Leslie, Onodaga & Stockbri dge

Rates Fringes

ELECTRI CIAN  
Al arm Installati on & Low  
Vol tage Wi ri ng..... \$ 25.72 13.87  
Excl udes Al arm  
Installati on and Low  
Vol tage Wi ri ng..... \$ 39.03 20.88

ELEC0665-004 06/01/2014

Townshi ps of Al ai edon, Aureli us, Del hi , Ingham, Lansi ng, Leroy,  
Locke, Meri di an, Vevay, Wheatfi el d, Whi te Oak and Wi lli amson

Rates Fringes

ELECTRI CIAN  
Al arm Installati on & Low  
Vol tage Wi ri ng..... \$ 25.89 14.22  
Excl udes Al arm  
Installati on & Low Vol tage  
Wi ri ng..... \$ 32.30 20.22

ENGI 0324-012 07/01/2014

Rates Fringes

OPERATOR: Power Equip ment  
GROUP 1..... \$ 29.09 21.70  
GROUP 2..... \$ 28.84 21.70  
GROUP 3..... \$ 27.74 21.70  
GROUP 4..... \$ 22.94 21.70  
GROUP 5..... \$ 22.34 21.70  
GROUP 6..... \$ 19.89 21.70  
GROUP 7..... \$ 18.19 21.70



FOOTNOTES:

Crane operator with main boom and jib 300' or longer: \$1.50 per hour above the group 1 rate. Crane operator with main boom and jib 400' or longer: \$3.00 per hour above the group 1 rate.

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Crane operator with main boom and jib 400', 300', or 220' or longer.

GROUP 2: Crane operator with main boom and jib 140' or longer, tower crane, gantry crane, whirley derrick

GROUP 3: Concrete Pump; Crane; Highlift; Hoist; Loader; Roller; Scraper; Stiff Leg Derrick; Trencher

GROUP 4: Bobcat/Skid Loader; Broom/Sweeper; Fork Truck (over 20' lift)

GROUP 5: Boom Truck (non-swinging)

GROUP 6: Fork Truck (20' lift and under for masonry work)

GROUP 7: Oiler

-----  
IRON0025-001 06/01/2014

	Rates	Fringes
IRONWORKER		
REINFORCING.....	\$ 28.30	24.60
STRUCTURAL (Excluding Metal Building Erection)....	\$ 33.78	26.97

-----  
LAB00499-012 10/01/2014

	Rates	Fringes
LABORER		
Common or General; Grade Checker; Mason Tender - Brick; Mason Tender - Cement/Concrete; Pipelayer; Sandblaster.....	\$ 22.29	12.75

-----  
PAI N0845-001 11/01/2014

	Rates	Fringes
PAINTER: Brush, Roller, Spray and Paperhanging.....	\$ 22.14	11.97
PAINTER: Drywall Finishing/Taping.....	\$ 24.00	12.89

-----  
PLAS0016-011 04/01/2014

Rates	Fringes
-------	---------

CEMENT MASON/CONCRETE FINISHER... \$ 24.64 12.88

\* PLUM0333-006 06/01/2014

	Rates	Fringes
PIPEFITTER, Includes HVAC Pipe and Unit Installation.....	\$ 33.19	19.78
PLUMBER, Excludes HVAC Pipe and Unit Installation.....	\$ 33.19	19.64

FOOTNOTE:

Paid Holidays: Memorial Day, Independence Day and Labor Day,  
if the employee works the work day preceding and following  
the holiday unless proven illness or injury prevents the  
employee from working.

ROOF0070-003 06/01/2014

	Rates	Fringes
ROOFER.....	\$ 26.63	13.22

SFMI 0669-001 07/01/2013

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 31.25	17.12

SHEE0007-004 05/01/2014

	Rates	Fringes
SHEET METAL WORKER (Including HVAC Duct Installation; Excluding HVAC System Installation).....	\$ 27.82	19.55

SUMI 2011-009 02/01/2011

	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 18.48	7.93
LABORER: Landscape & Irrigation.....	\$ 8.00	0.00
METAL BUILDING ERECTOR.....	\$ 16.92	6.32
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 21.34	7.57
OPERATOR: Bulldozer.....	\$ 20.63	8.21
OPERATOR: Grader/Blade.....	\$ 22.00	6.29
OPERATOR: Tractor.....	\$ 19.10	8.48
TRUCK DRIVER: Dump Truck.....	\$ 16.00	7.26

TRUCK DRIVER: Lowboy Truck.....	\$ 14.50	0.44
TRUCK DRIVER: Tractor Haul Truck.....	\$ 13.57	1.18

-----

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

-----

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which

these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

---

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====  
END OF GENERAL DECISION