

INVITATION TO BID
AND
SPECIFICATIONS
FOR

12.47kV Pole-Mount Capacitor Banks

CITY OF ST. CHARLES
ILLINOIS
2013

SPECIFICATION #130103
BID OPENING: January 3, 2013

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SPECIFICATION # 130103

BID OPENING : January 3, 2013

SECTION I

NOTICE TO BIDDERS

Sealed bids will be received at the City of St. Charles Purchasing Office, Two East Main Street, St. Charles, Illinois, **no later than 10:00 a.m., Thursday, January 3, 2013**, for 12.47kV Pole-Mount Capacitor Banks.

Bids will be opened publicly and read aloud in the Council Chambers at 10:00 a.m., Thursday, January 3, 2013.

All work under this contract shall comply with the Prevailing Wage Rate Act of the State of Illinois, Illinois Compiled Statutes, 1987, Chapter 820, par. 130/31, et. seq, and as amended by Public Acts 86-799 and 86-693 and our current City ordinance, with rates to be paid in effect at time work is performed. Contractors shall submit monthly certified payroll records to the city. Contractors shall submit acceptable insurance certificate to City prior to performing work.

Specifications and bidder information may be obtained at the Office of the Purchasing & Inventory Control Division Manager, City of St. Charles, 200 Devereaux Way, St. Charles, Illinois.

All sealed envelopes must be clearly marked for which proposal they pertain to.

CITY OF ST. CHARLES

Michael W. Shortall
Purchasing & Inventory Control Division Manager

RBW:cjb

bid information\Bidstart elctrcovrhd pole-mt.capacitorbank

SECTION II
INFORMATION TO BIDDERS

1. **GENERAL CONDITIONS:**

- A. Bids shall be submitted in a sealed envelope, inserted in a larger sealed envelope. Both envelopes shall be clearly marked with the word "Bid", and the name of the project or subject of the bid. (Sec. 2.33.200A of the St. Charles Municipal Code). The outer envelope shall be addressed "Purchasing Manager, City of St. Charles, Two East Main Street, St. Charles, IL 60174." Include a return address on both envelopes. Bids received after the specified time and date will be returned unopened. Bids shall be on City of St. Charles bid form and shall be returned attached to the original specification sheets. Copies are not acceptable. **All bids submitted are binding for sixty (60) calendar days following the date of the bid opening.**
- B. All bid proposals must be signed with the firm name and by an authorized officer or employee of the company. One bid per bidder is allowed.
- C. The award of bids shall be made, after determination of the successful bidder by the City Council, by issuance of a City purchase order from the City of St. Charles purchasing manager to the successful bidder.
- D. The City of St. Charles reserves the right to waive minor specification deviations and reject any or all bids, and to accept the bid, which is in the opinion of the City Council, the lowest conforming bid from a responsible bidder as defined by state law and Sec. 2.33.230 of the St. Charles Municipal Code.
- E. All bids must be quoted on the basis of delivery to the City storeroom, 200 Devereaux Way in St. Charles, IL. The price shall be stated in units and bids made on each item separately. In case of conflict, the unit price shall govern. The City reserves the right to award the bid in aggregate or on individual items.
- F. All taxes, storage, handling and delivery costs incurred prior to receipt of the material by the City must be assumed by the successful bidder.
- G. The City of St. Charles is exempt from paying Illinois Use Tax, Illinois Retailers Occupation Tax, Federal Excise Tax, and Municipal Retailer's Occupation Tax.

The City of St. Charles will supply a copy of its tax exempt. letter for the use of the successful bidder for purchases of goods related to this contract upon

request. Bidders should prepare their bid responses assuming that eligible goods will be free of sales tax liability.

The City of St. Charles reserves the right in its sole discretion to determine whether a supplier may utilize the City's tax exemption for purchases of goods.

Abuse of the City's tax exempt status to avoid sales tax liability on other contractor purchases shall not be tolerated and may disqualify the contractor from being awarded future City contracts or business. Additionally, the City reserves the right to pursue other remedies against the contractor to the full extent of the law and State regulations.

- H. Material is to be delivered on a flatbed trailer and ready to be unloaded from the side of the trailer without driving a forklift onto the trailer. Advance notice of 48 hours is required by calling 630-377-4421. Deliveries can be made to the City between the hours of 7:00 a.m. - noon and 12:30 p.m. - 3:30 p.m.
- I. Each bidder shall make an accurate statement in the proposal of the smallest number of calendar days in which delivery can be made after placement of the order.
- J. Any firm bidding this/these unit(s) must have a full service shop which includes parts and service mechanics capable of making any adjustments or repairs as may be required. The firm must also have service truck capabilities.
- K. Materials will be paid within 30 days of receipt/acceptance of same and receipt of invoice, or if a discount is allowed and is advantageous to the City, within five (5) days of receipt/acceptance of same and receipt of the invoice. Bids will be evaluated on both thirty (30) day and discount pricing.

REQUIRED _____ NOT REQUIRED X _____

- L. Travel time (incl. on-site repairs and/or pick up and delivery) is included within the labor or service warranty.

REQUIRED _____ NOT REQUIRED X _____

2. **MATERIALS:**

Only new, unused, first quality material and/or equipment shall be offered by the bidder.

3. **BID RESULTS:**

The bidder must supply a self-addressed, stamped envelope for obtaining bid results. **NO** bid results will be given by telephone.

4. **ADDENDUM**
Any interpretation of the specifications will be mailed to each bidder receiving a set of the bid documents. Bidders shall acknowledge receipt of such addendum by returning the addendum form.

5. **BID DEPOSIT**
A 10% bid deposit (certified check, cashiers check, or bank draft) or bid bond is required to accompany this bid. Failure to do so will eliminate the bid.

REQUIRED _____ NOT REQUIRED X _____

6. **PERFORMANCE BOND**
A performance bond in the amount of 100% of the bid submitted is required within ten (10) calendar days of acceptance of the bidder's proposal by the City.

The performance bond of the successful bidder shall have a minimum "A" rating as defined in Best's Key Rating Guide, be conditioned on the faithful performance of the requirements of the contract, and shall have as surety a corporate surety authorized to act as such in Illinois. The performance bond shall cover payment for all labor and material, and insure completion of the project. The bidder will be responsible for all claims for injuries to persons or damages to property or premises arising out of or in connection with his or her operations prior to the acceptance of the finished work or supplies, and that he or she will promptly make payments to all persons supplying him or her or them with labor or materials in the prosecution of the work provided for in the contract; and shall guarantee to indemnify and save the City and its officers and employees harmless from all costs, damages, and expenses arising out of or by reason of the bidder's failure to comply and perform the work and complete the contract in accordance with the specifications.

The performance bond shall be in conformance with the requirements of the Illinois Act in relation to bonds of bidders entering into contracts for public construction. (Illinois Compiled Statutes Ch. 30, Sec. 550/1, et seq.)

REQUIRED _____ NOT REQUIRED X _____

7. **GENERAL GUARANTY**
The bidder agrees to (a) hold the City, its agents, and employees harmless from liability of any nature or kind for the use of any copyrighted or uncopyrighted composition, secret process, patented or unpatented, invention, article, or appliance furnished or used in the performance of the contract in which the bidder is not the patentee, assignee, licensee, or owner; (b) protect the City against latent defective material or workmanship and to repair or replace any damages or

marring occurring in transit or delivery; (c) pay for all permits, licenses, and fees and give all notices and comply with all laws, ordinances, and rules of the City and State of Illinois; (d) indemnify City against all claims for personal injury, death, and/or property damage arising out of the project.

8. **ASSIGNMENT**

Assignment of this contract or any part thereof, or any funds to be received thereunder by the bidder shall be subject to the approval of the City of St. Charles.

9. **DEFAULT**

The contract may be cancelled or annulled by the purchasing manager in whole or in part by written notice of default to the bidder upon nonperformance or violation of contract terms. An award may be made to the next lowest bidder, or articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting bidder (or his surety) shall be liable to the City for costs to the City in excess of the defaulted contract prices. The bidder shall continue the performance of this contract to the extent not terminated under the provisions of this clause. Failure of the bidder to deliver materials or services within the time stipulated on his or her bid, unless extended in writing by the purchasing manager, shall constitute contract default.

10. **INSURANCE**

Detailed insurance requirements are included under City of St. Charles Insurance Requirements for Bidders.

The bidder **shall** secure and maintain in effect at all times, at his or her expense, insurance of the following kinds and limits to cover all locations of the bidder's operations in connection with work on his or her company's projects, naming the City of St. Charles as an additional insured. The bidder shall furnish Certificates of Insurance to the City before starting construction or within 10 days after the execution of the contract, whichever date is reached first. All insurance policies shall include a non-cancellation clause provision preventing cancellation without 30 days written prior notice to the City. In case of insurance cancellation, bidder shall obtain a new insurance policy in compliance with this paragraph prior to the effective date of cancellation.

Certificates of insurance must be completed on the ACCORD 25-S form, with the cancellation clause revised and revisions initialed. An example is enclosed.

REQUIRED X _____ NOT REQUIRED _____

For this specific project, the City of St. Charles is requiring a liability umbrella of \$ 5,000,000 (aggregate for this project).

REQUIRED X _____ NOT REQUIRED _____

11. **CERTIFICATE OF COMPLIANCE**

All bidders are required to complete the Certificate of Compliance (attached) as per the Illinois Compiled Statutes Ch. 65, Sec. 11-42.1-1, which will be returned with the bid.

12. **HEALTH AND SAFETY ACT**

All work under this contract shall comply with the Occupational Safety and Health Act (OSHA) of 1975, and all other federal, state or local statutes, rules or regulations affecting the work done under the contract.

13. **PREVAILING WAGE RATE**

All work under this contract shall comply with the Prevailing Wage Rate Act of the State of Illinois, Illinois Compiled Statutes Ch. 820, par. 130/31, et seq. and as amended by Public Acts 86-799 and 86-693 and our current City of St. Charles Ordinance with rates to be paid, in effect at the time work is performed. Successful bidder is responsible for posting and issuing current rates to its employees and subcontractors. Current rates are available through the Illinois Department of Labor (217/762-1710 or www.state.il.us/agency/idol).

The successful bidder and each subcontractor shall submit monthly, in person, by mail, or electronically, a certified payroll to the City of St. Charles. The certified payroll shall consist of records of all laborers, mechanics, and other workers employed by them on the project. The records shall include each worker's name, address, telephone number (when available), social security number, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, and the starting and ending times of work each day. The certified payroll shall be accompanied by a statement signed by the bidder or subcontractor which avers that:

- A. Such records are true and accurate;
- B. The hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required; and
- C. The bidder or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class B misdemeanor.

The City of St. Charles is required to keep the certification records submitted for a period of not less than three years. Furthermore, these records, except an employee's address, telephone number, and social security number, shall be made available in accordance with the Freedom of Information Act.

REQUIRED X _____ NOT REQUIRED _____

14. **EXECUTION OF CONTRACT, INSURANCE AND PERFORMANCE BOND**
The successful bidder, within ten (10) business days after acceptance of the bidder's offer by the City, shall execute all requested contract documents, supply satisfactory evidence of required insurance, and furnish a satisfactory performance bond when required by the bid documents. In the event that the bidder fails to furnish required documents, insurance, and performance bond within ten (10) business days after acceptance of the bidder's offer by the City, then the City's acceptance of the offer shall automatically terminate, and the bid deposit of the bidder shall be retained by the City as reimbursement for administrative costs.
15. **RELEASE OF BID DEPOSITS**
Within a reasonable time after the bid opening, bid deposits of all except the three lowest responsible bidders will be released. The remaining deposits will be released after the successful bidder has executed the contract documents and furnished evidence of the insurance and bonds required by the bid documents.
16. **EQUAL OPPORTUNITY EMPLOYER**
The City of St. Charles is an equal opportunity employer, and all bidders are required to be equal opportunity bidders as defined by all applicable state and federal laws and regulations.
17. **VETERANS PREFERENCE**
The City of St. Charles, per Illinois Compiled Statutes Ch. 330, par. 55/1-55/3, gives preference to veterans for public works contracts, should a tie bid arise between local OR non-local bidders.
18. **CERTIFICATE OF NON-DISQUALIFICATION**
All bidders are required to submit a completed Certificate of Non-Disqualification (attached), as required under Illinois Compiled Statutes, Ch. 720, Sec. 33 E-11.
19. **PROVISIONS OF ST. CHARLES MUNICIPAL CODE**
All bids and contracts shall be in accordance with Title 2, Ch. 2.33 of the City of St. Charles Illinois Municipal code, as from time to time amended, which shall take precedence over and control all aspects of this contract, and which are incorporated herein by reference.
20. **SURVIVAL**
The provisions hereof shall survive and shall not merge with the resulting purchase order or contract awarded to the successful bidder, but shall be additional terms thereof; and the submission of a bid shall be deemed as acceptance of these terms.
21. **CERTIFICATE OF COMPLIANCE WITH SAFETY STANDARDS**
All bidders are required to submit a completed Certificate of Compliance with Safety Standards (attached).
22. **CERTIFICATE OF COMPLIANCE WITH PUBLIC ACT 87-1257 OF THE ILLINOIS HUMAN RIGHTS ACT**

All bidders are required to submit a completed Certificate of Compliance with Public Act 87-1257 of the Illinois Human Rights Act (attached).

23. **WAIVERS OF MECHANICS LIEN**

- A. With each application for payment, submit waivers of mechanics liens from the bidder, subcontractors, and suppliers for the construction period covered by the current application. Payment will not be released until the bidder has supplied the City with the waiver of liens.
1. Submit partial waivers on each item for the amount requested, prior to deduction for retainage, on each item.
 2. When an application shows completion of an item, submit final or full waivers.
 3. The City reserves the right to designate which entries involved in the work must submit waivers.
 4. Waiver Delays: submit each application for payment with the bidder's waiver of mechanics lien for the period of construction covered by the application.
- A. Initial application for payment: administrative actions and submittals, that must precede or coincide with submittal of the first application for payment, include the following:
1. List of subcontractors.
 2. List of principal suppliers and fabricators.
 3. Schedule of values.

REQUIRED _____ NOT REQUIRED X _____

/cjb



Illinois Department of Revenue

Office of Local Government Services
Sales Tax Exemption Section, 3-520
101 W. Jefferson Street
Springfield, IL 62702
217 782-8881

January 2, 2010

CITY OF ST CHARLES
DIRECTOR OF FINANCE
TWO EAST MAIN ST
ST CHARLES IL 60174

Effective January 1, 2010, we have renewed your governmental exemption from payment of the Retailers' Occupation Tax, the Service Occupation Tax (both state and local), the Use Tax, and the Service Use Tax, as required by Illinois law.

We have issued the following new tax exemption identification number:

to
CITY OF ST CHARLES
of
ST CHARLES, IL

The terms and conditions governing use of your exemption number remain unchanged.

Office of Local Government Services
Illinois Department of Revenue

Issued To: _____
Company: _____
Date Issued: _____
Project: _____
Dates Valid: _____

Christopher A. Minick, Director of Finance

**CERTIFICATE OF COMPLIANCE OF
ILLINOIS COMPILED STATUTES, CH. 65, SEC. 11-42.1-1**

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that _____
_____ (bidder) is not currently delinquent in the payment of any tax administered by or owed to the Illinois Department of Revenue, or otherwise in default upon any such tax as defined under Ch. 65, Sec. 11-42.1-1, Illinois Compiled Statutes.

Name of Bidder

By: _____

State of _____),

ss.

County of _____)

Subscribed and sworn to
before me this _____ day
of _____, _____.

Notary Public



City of St. Charles Certificate of Insurance Requirements

All Contractors, Manufacturers/Distributors, and Suppliers shall be required to carry and evidence insurance coverage with a standard Acord Certificate of Insurance with minimum limits applicable. Sample attached.

1. Minimum Insurance Requirements and Limits

	<i>Coverage</i>		<i>Limits</i>
A.	Automobile Liability	\$1,000,000	Combined single limit
B.	Commercial General Liability	\$1,000,000	Per occurrence
		\$2,000,000	General aggregate

All Commercial General Liability policies must include Blanket Contractual coverage and Broad Form Vendors' Liability coverage.

C.	Workers' Compensation	\$500,000	Per accident
	(Employers' Liability)	\$500,000	Disease limit
		\$500,000	Each Disease
D.	Umbrella Liability	\$5,000,000	Limit

2. Cancellation or Alteration

The policies of insurance required by this exhibit shall provide that they cannot be cancelled or altered in any way changing coverage except after 30 days' prior written notice by certified mail to owner.

3. Workers' Compensation and General Liability Waiver of Subrogation in favor of the City.

4. Insurance Certificates

- Must be submitted ten (10) days prior to any work being performed to allow review of certificates.
- Certificates not meeting requirements must be revised and resubmitted within fifteen (15) days or the subcontractor will not be allowed on the jobsite.

5. Additional Insured and Broad Form Vendors' Liability in favor of the City.

The City must be named as an Additional Insured with the following wording appearing on the Certificate of Insurance: "The City of St. Charles and any official, trustee, director, officer, or employee of the City (plus any holder or mortgage as designated by the City) as to any and all projects, as an Additional Insured for the Commercial General Liability as respects any and all projects for any work being performed and this coverage will be primary and noncontributory."

6. Minimum Insurance Carrier

All contractors, manufacturers/distributors, and suppliers' insurance carriers must comply with the minimum A.M Best rating of A-VI for all insurance carriers.

City of St. Charles, Illinois

Ordinance No. 2012-M-33

**Ordinance Ascertaining Prevailing Wages in the City of
St. Charles for Kane and DuPage Counties**

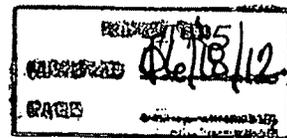
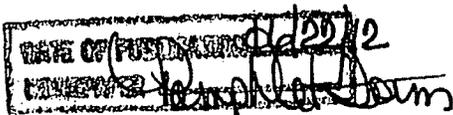
**Adopted by the
City Council
of the
City of St. Charles
June 18, 2012**

**Published in pamphlet form by
authority of the City Council
of the City of St. Charles,
Kane and Du Page Counties,
Illinois, June 22, 2012**

Nancy Garrison

City Clerk





**City of St. Charles, Illinois
Ordinance 2012-M- 33**

**An Ordinance Ascertainning Prevailing Wages
In The City of St. Charles for Kane and DuPage Counties**

WHEREAS, in 1941, the General Assembly of the State of Illinois enacted the Prevailing Wage Act (820 ILCS 130/0.01 *et seq.*); and

WHEREAS, the Act requires that all Illinois governmental entities, including home rule units of local government, either accepts the prevailing wages determined by the Illinois Department of Labor or investigate and ascertain the prevailing rate of wages as defined in the Act for workers employed in performing work on public works construction projects in the locality in which the locality in which the work is performed; and

WHEREAS, the Illinois Department of Labor has not provided specific prevailing rates of wages for landscape industry positions needed for public works construction projects; and

NOW, THEREFORE, BE IT ORDAINED THE CITY COUNCIL OF THE CITY OF ST. CHARLES, Kane and DuPage Counties, Illinois, in exercise of its home rule powers, as follows:

SECTION 1: To the extent required by the Prevailing Wage Act, the general prevailing rate of wages in this locality for laborers, mechanics and other workers engaged in construction of public works coming under the jurisdiction of the City is hereby ascertained to be, except as provided in Section 2 herein, the same as the prevailing rate of wages for construction work in the Kane and DuPage County area as determined by the Department of Labor of the State of Illinois as of May of the current year, a copy of that determination being attached hereto as Exhibit A and Exhibit B. As required by the Act, any and all revisions of the prevailing rate of

wages by the Illinois Department of Labor shall supersede the Department's May determination and apply to any and all public works construction undertaken by the City of St. Charles. The definition of any terms appearing in this Ordinance, which are also used in the Act, shall be the same as in the Act.

SECTION 2: Nothing in this Ordinance shall be construed to apply the general prevailing rate of wages to any work or employment except public works construction of the City of St. Charles to the extent required by the Act.

SECTION 3: The City Clerk is hereby authorized and directed to publicly post or keep available for inspection by any interested party in the main office of the City of St. Charles this determination or any revisions of such prevailing rate of wages. A copy of this determination or of the current revised determination of prevailing rate of wages then in effect shall be attached to contract specifications as required by the Act, or, if permitted by the Act, shall be referenced in the contract specifications.

SECTION 4: The City Clerk is hereby authorized and directed to mail a copy of this determination to any employer and to any association of employers and to any person or association of employees who have filed their names and addressed requesting copies of any determination stating the particular rates and the particular class of workers whose wages will be affected by such rates.

SECTION 5: The City Clerk is hereby authorized and directed to promptly file a certified copy of this Ordinance with both the Index Division of the Secretary of State and the Department of Labor of the State of Illinois.

SECTION 6: The City Clerk is hereby authorized and directed to cause to be published in a newspaper of general circulation within the area notification of passage of this Ordinance. The notice of passage of this Ordinance shall mention the availability for viewing of the Ordinance in the Office of the City Clerk. The publication shall constitute notice that the determination is effective and that this is the determination of this public body.

SECTION 7: This Ordinance shall be effective upon its passage and approval according to law.

PRESENTED to the City Council of the City of St. Charles, Illinois this 18th day of June 2012.

PASSED by the City Council of the City of St. Charles, Illinois this 18th day of June 2012.

APPROVED by the Mayor of the City of St. Charles, Illinois this Illinois this 18th day

of June 2012.


ATTEST
Nancy Gorman
City Clerk

Donald P. DeWitte

Donald P. DeWitte, Mayor

COUNCIL VOTE:

Ayes: 9
Nays: 0
Absent: 1
Abstain:

Kane County Prevailing Wage for May 2012

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	*M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
=====	===	===	=	=====	=====	=====	===	===	=====	=====	=====	=====
ASBESTOS ABT-GEN		ALL		35.200	35.700	1.5	1.5	2.0	12.18	8.820	0.000	0.450
ASBESTOS ABT-MEC		BLD		32.850	0.000	1.5	1.5	2.0	10.82	10.66	0.000	0.720
BOILERMAKER		BLD		43.450	47.360	2.0	2.0	2.0	6.970	14.66	0.000	0.350
BRICK MASON		BLD		39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
CARPENTER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.26	0.000	0.530
CEMENT MASON		ALL		41.550	43.550	2.0	1.5	2.0	9.250	12.51	0.000	0.250
CERAMIC TILE FNSHER		BLD		33.600	0.000	2.0	1.5	2.0	9.200	6.680	0.000	0.580
COMMUNICATION TECH	N	BLD		35.770	37.870	1.5	1.5	2.0	12.07	9.370	0.000	0.450
COMMUNICATION TECH	S	BLD		36.390	38.490	1.5	1.5	2.0	10.02	10.19	0.000	1.090
ELECTRIC PWR EQMT OP		ALL		35.400	48.110	1.5	1.5	2.0	5.000	10.97	0.000	0.270
ELECTRIC PWR GRNDMAN		ALL		27.380	48.110	1.5	1.5	2.0	5.000	8.490	0.000	0.210
ELECTRIC PWR LINEMAN		ALL		42.390	48.110	1.5	1.5	2.0	5.000	13.14	0.000	0.320
ELECTRIC PWR TRK DRV		ALL		28.350	48.110	1.5	1.5	2.0	5.000	8.790	0.000	0.220
ELECTRICIAN	N	ALL		43.080	47.380	1.5	1.5	2.0	12.06	11.41	0.000	0.540
ELECTRICIAN	S	BLD		43.560	47.920	1.5	1.5	2.0	10.02	12.20	0.000	1.310
ELEVATOR CONSTRUCTOR		BLD		48.560	54.630	2.0	2.0	2.0	11.03	11.96	2.910	0.000
FENCE ERECTOR		ALL		44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
GLAZIER		BLD		38.500	40.000	1.5	2.0	2.0	11.49	14.64	0.000	0.840
HT/FROST INSULATOR		BLD		43.800	46.300	1.5	1.5	2.0	10.82	11.86	0.000	0.720
IRON WORKER		ALL		44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
LABORER		ALL		35.200	35.950	1.5	1.5	2.0	11.97	9.030	0.000	0.450
LATHER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.26	0.000	0.530
MACHINIST		BLD		43.160	45.160	1.5	1.5	2.0	7.980	8.950	0.000	0.000
MARBLE FINISHERS		ALL		29.100	0.000	1.5	1.5	2.0	9.300	11.17	0.000	0.660
MARBLE MASON		BLD		39.030	42.930	1.5	1.5	2.0	9.300	11.17	0.000	0.730
MATERIAL TESTER I		ALL		25.200	0.000	1.5	1.5	2.0	11.97	9.030	0.000	0.450
MATERIALS TESTER II		ALL		30.200	0.000	1.5	1.5	2.0	11.97	9.030	0.000	0.450
MILLWRIGHT		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.26	0.000	0.530
OPERATING ENGINEER		BLD 1		45.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD 2		43.800	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD 3		41.250	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD 4		39.500	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD 5		48.850	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD 6		46.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD 7		48.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY 1		43.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY 2		42.750	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY 3		40.700	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY 4		39.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY 5		38.100	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY 6		46.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY 7		44.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
ORNAMNTL IRON WORKER		ALL		44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
PAINTER		ALL		40.180	42.180	1.5	1.5	1.5	8.950	8.200	0.000	1.250
PAINTER SIGNS		BLD		33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIIVER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.26	0.000	0.530
PIPEFITTER		BLD		41.000	43.000	1.5	1.5	2.0	10.75	14.59	0.000	1.660
PLASTERER		BLD		39.250	41.610	1.5	1.5	2.0	10.60	10.69	0.000	0.550
PLUMBER		BLD		41.000	43.000	1.5	1.5	2.0	10.75	14.59	0.000	1.660
ROOFER		BLD		37.650	40.650	1.5	1.5	2.0	8.380	6.820	0.000	0.430
SHEETMETAL WORKER		BLD		41.660	43.660	1.5	1.5	2.0	9.540	11.57	0.000	0.780
SIGN HANGER		BLD		26.070	27.570	1.5	1.5	2.0	3.800	3.550	0.000	0.000

SPRINKLER FITTER	BLD	49.200	51.200	1.5	1.5	2.0	9.750	8.200	0.000	0.450
STEEL ERECTOR	ALL	44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
STONE MASON	BLD	39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
TERRAZZO FINISHER	BLD	35.150	0.000	1.5	1.5	2.0	9.200	9.070	0.000	0.430
TERRAZZO MASON	BLD	39.010	42.010	1.5	1.5	2.0	9.200	10.41	0.000	0.510
TILE MASON	BLD	40.490	44.490	2.0	1.5	2.0	9.200	8.390	0.000	0.640
TRAFFIC SAFETY WRKR	HWY	28.250	29.850	1.5	1.5	2.0	4.896	4.175	0.000	0.000
TRUCK DRIVER	ALL 1	32.550	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER	ALL 2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER	ALL 3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER	ALL 4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TUCKPOINTER	BLD	39.950	40.950	1.5	1.5	2.0	8.180	10.57	0.000	0.790

Legend:

RG (Region)
 TYP (Trade Type - All, Highway, Building, Floating, Oil & Chip, Rivers)
 C (Class)
 Base (Base Wage Rate)
 FRMAN (Foreman Rate)
 M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.)
 OSA (Overtime (OT) is required for every hour worked on Saturday)
 OSH (Overtime is required for every hour worked on Sunday and Holidays)
 H/W (Health & Welfare Insurance)
 Pensn (Pension)
 Vac (Vacation)
 Trng (Training)

Explanations

KANE COUNTY

ELECTRICIANS AND COMMUNICATIONS TECHNICIAN (NORTH) - Townships of Burlington, Campton, Dundee, Elgin, Hampshire, Plato, Rutland, St. Charles (except the West half of Sec. 26, all of Secs. 27, 33, and 34, South half of Sec. 28, West half of Sec. 35), Virgil and Valley View CCC and Elgin Mental Health Center.

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical

systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

Construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video), telephone, security systems, fire alarm systems that are a component of a multiplex system and share a common cable, and data inside wire, interconnect, terminal equipment, central offices, PABX and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all

material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators; Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches; Bobcats (up to and including 3/4 cu yd.) .

Class 4. Bobcats and/or other Skid Steer Loaders (other than bobcats

up to and including $\frac{3}{4}$ cu yd.); Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types; Creter Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dowell Machine with Air Compressor; Dredges; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Hydraulic Backhoes; Backhoes with shear attachments; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Trenching Machine; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; All Locomotives, Dinky; Off-Road Hauling Units (including articulating)/2 ton capacity or more; Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Scoops - Tractor Drawn; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper; Scraper - Prime Mover in Tandem (Regardless of Size); Tank Car Heater; Tractors, Push, Pulling Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender;

Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Fireman on Boilers; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Hydro- Blaster; Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Tractaire; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. Bobcats (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Gradall and machines of like nature.

TRAFFIC SAFETY - work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted

crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

Du Page County Prevailing Wage for May 2012

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	*M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
=====	==	===	=	=====	=====	=====	=====	=====	=====	=====	=====	=====
ASBESTOS ABT-GEN	ALL			35.200	35.700	1.5	1.5	2.0	12.18	8.820	0.000	0.450
ASBESTOS ABT-MEC	BLD			32.850	0.000	1.5	1.5	2.0	10.82	10.66	0.000	0.720
BOILERMAKER	BLD			43.450	47.360	2.0	2.0	2.0	6.970	14.66	0.000	0.350
BRICK MASON	BLD			39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
CARPENTER	ALL			40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
CEMENT MASON	ALL			38.000	40.000	2.0	1.5	2.0	8.950	16.35	0.000	0.380
CERAMIC TILE FNSHER	BLD			33.600	0.000	2.0	1.5	2.0	9.200	6.680	0.000	0.580
COMMUNICATION TECH	BLD			32.650	34.750	1.5	1.5	2.0	9.250	14.46	0.400	0.610
ELECTRIC PWR EQMT OP	ALL			35.400	48.110	1.5	1.5	2.0	5.000	10.97	0.000	0.270
ELECTRIC PWR GRNDMAN	ALL			27.380	48.110	1.5	1.5	2.0	5.000	8.490	0.000	0.210
ELECTRIC PWR LINEMAN	ALL			42.390	48.110	1.5	1.5	2.0	5.000	13.14	0.000	0.320
ELECTRIC PWR TRK DRV	ALL			28.350	48.110	1.5	1.5	2.0	5.000	8.790	0.000	0.220
ELECTRICIAN	BLD			36.200	39.820	1.5	1.5	2.0	9.250	16.27	4.380	0.680
ELEVATOR CONSTRUCTOR	BLD			48.560	54.630	2.0	2.0	2.0	11.03	11.96	2.910	0.000
FENCE ERECTOR	NE ALL			32.660	34.660	1.5	1.5	2.0	12.42	10.00	0.000	0.250
FENCE ERECTOR	W ALL			44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
GLAZIER	BLD			38.500	40.000	1.5	2.0	2.0	11.49	14.64	0.000	0.840
HT/FROST INSULATOR	BLD			43.800	46.300	1.5	1.5	2.0	10.82	11.86	0.000	0.720
IRON WORKER	E ALL			40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
IRON WORKER	W ALL			44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
LABORER	ALL			35.200	35.950	1.5	1.5	2.0	12.18	8.820	0.000	0.450
LATHER	ALL			40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
MACHINIST	BLD			43.160	45.160	1.5	1.5	2.0	7.980	8.950	0.000	0.000
MARBLE FINISHERS	ALL			29.100	0.000	1.5	1.5	2.0	9.300	11.17	0.000	0.660
MARBLE MASON	BLD			39.030	42.930	1.5	1.5	2.0	9.300	11.17	0.000	0.730
MATERIAL TESTER I	ALL			25.200	0.000	1.5	1.5	2.0	12.18	8.820	0.000	0.450
MATERIALS TESTER II	ALL			30.200	0.000	1.5	1.5	2.0	12.18	8.820	0.000	0.450
MILLWRIGHT	ALL			40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
OPERATING ENGINEER	BLD 1			45.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 2			43.800	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 3			41.250	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 4			39.500	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 5			48.850	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 6			46.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 7			48.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	HWY 1			43.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
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OPERATING ENGINEER	HWY 7			44.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
ORNAMNTL IRON WORKER E	ALL			40.200	42.700	2.0	2.0	2.0	12.67	15.61	0.000	0.500
ORNAMNTL IRON WORKER W	ALL			44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
PAINTER	ALL			40.180	42.180	1.5	1.5	1.5	8.950	8.200	0.000	1.250
PAINTER SIGNS	BLD			33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIVER	ALL			40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
PIPEFITTER	BLD			41.000	43.000	1.5	1.5	2.0	10.75	14.59	0.000	1.660
PLASTERER	BLD			39.360	41.720	1.5	1.5	2.0	9.300	11.72	0.000	0.780
PLUMBER	BLD			41.000	43.000	1.5	1.5	2.0	10.75	14.59	0.000	1.660
ROOFER	BLD			37.650	40.650	1.5	1.5	2.0	8.380	6.820	0.000	0.430
SHEETMETAL WORKER	BLD			41.660	43.660	1.5	1.5	2.0	9.540	11.57	0.000	0.780

SPRINKLER FITTER		BLD	49.200	51.200	1.5	1.5	2.0	9.750	8.200	0.000	0.450
STEEL ERECTOR	E	ALL	40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
STEEL ERECTOR	W	ALL	44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
STONE MASON		BLD	39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
TERRAZZO FINISHER		BLD	35.150	0.000	1.5	1.5	2.0	9.200	9.070	0.000	0.430
TERRAZZO MASON		BLD	39.010	42.010	1.5	1.5	2.0	9.200	10.41	0.000	0.510
TILE MASON		BLD	40.490	44.490	2.0	1.5	2.0	9.200	8.390	0.000	0.640
TRAFFIC SAFETY WRKR		HWY	28.250	29.850	1.5	1.5	2.0	4.896	4.175	0.000	0.000
TRUCK DRIVER		ALL 1	32.550	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER		ALL 2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER		ALL 3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER		ALL 4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TUCK POINTER		BLD	39.950	40.950	1.5	1.5	2.0	8.180	10.57	0.000	0.790

Legend:

RG (Region)
 TYP (Trade Type - All, Highway, Building, Floating, Oil & Chip, Rivers)
 C (Class)
 Base (Base Wage Rate)
 FRMAN (Foreman Rate)
 M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.)
 OSA (Overtime (OT) is required for every hour worked on Saturday)
 OSH (Overtime is required for every hour worked on Sunday and Holidays)
 H/W (Health & Welfare Insurance)
 Pensn (Pension)
 Vac (Vacation)
 Trng (Training)

Explanations

DUPAGE COUNTY

IRON WORKERS AND FENCE ERECTOR (WEST) - West of Route 53.

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

TRAFFIC SAFETY - work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal

of temporary road signs.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

Low voltage installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone,

granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators; Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches; Bobcats (up to and including ¾ cu yd.) .

Class 4. Bobcats and/or other Skid Steer Loaders (other than bobcats up to and including ¾ cu yd.); Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall .

Class 7. Mechanics.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dowell Machine with Air Compressor; Dredges; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Hydraulic Backhoes; Backhoes with shear attachments; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Trenching Machine; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; All Locomotives, Dinky; Off-Road Hauling Units (including articulating)/2 ton capacity or more; Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Scoops - Tractor Drawn; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper; Scraper - Prime Mover in Tandem (Regardless of Size); Tank Car Heater; Tractors, Push, Pulling Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.;

Fireman on Boilers; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Hydro- Blaster; Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Tractaire; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. Bobcats (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Gradall and machines of like nature.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

State of Illinois)
)
) ss.
Counties of Kane and DuPage)

Certificate

I, NANCY GARRISON, certify that I am the duly elected and acting Municipal City Clerk of the City of St. Charles, Kane and DuPage Counties, Illinois.

I further certify that on June 18, 2012, the Corporate Authorities of such municipality passed and approved Ordinance No. 2012-M-33, entitled

"Ordinance Ascertaining Prevailing Wages in the City
of St. Charles for Kane and DuPage Counties,"

which provided by its terms that it should be published in pamphlet form.

The pamphlet form of Ordinance No. 2012-M-33, including the Ordinance and a cover sheet thereof was prepared, and a copy of such Ordinance was posted in the municipal building, commencing on June 22, 2012, and continuing for at least ten days thereafter. Copies of such Ordinance were also available for public inspection upon request in the office of the municipal clerk.

DATED at St. Charles, Illinois, this 18th day of June 2012.



Nancy Garrison
Municipal Clerk

SECTION III
SPECIFICATIONS

CITY OF ST. CHARLES, IL
12.47kV POLE-MOUNT CAPACITOR BANKS

A. PROJECT DESCRIPTION AND SCOPE

1. Owner

For the purposes of these specifications, the terms “Owner,” “Buyer,” “Purchaser,” and “City” may be regarded as interchangeable and they refer to the City of St. Charles, the Project’s owner.

2. Bidder

For the purposes of these specifications, the terms “Bidder,” “Manufacturer”, “Supplier” and “Vendor” may be regarded as interchangeable and they refer to the Party or Agency responding to the Owner’s request for bids under this project

3. Scope

- a. Providing a comprehensive set of approval drawings to the City Engineers for approval prior to manufacture of the first unit of any type/combination. The City Engineers will have two (2) weeks to review and return approval drawing with all required corrections or revisions.
- b. Manufacture of eight (8) **new** outdoor shunt connected overhead pole-mount capacitor banks, 60Hz, grounded wye, with all appurtenances as described in the accompanying technical specifications. Equipment shall comply with all current industry standards.
- c. Performing all the specified factory tests on the equipment, as described in the accompanying technical specifications, or as defined by current industry standards and practices.
- d. Shipping all equipment included in the accompanying technical specifications to the City by the most reliable and economic method. All equipment provided shall be clearly identified with the equipment tag number, the purchase order number, and an item list.
- e. Delivering of the equipment to the City of St. Charles PW Facility, with all appurtenances. This shall be included in the price of each capacitor bank. The Vendor shall coordinate the date and time of delivery of each unit with the City.
- f. Providing two (2) comprehensive set of final “as-built” drawings and other documents, as required by the accompanying technical specifications, at the time of delivery of the first unit. In addition, one complete set of standard/typical drawings, including all control wiring, shall be provided in an agreed computer file format. CAD drawings shall be in **AutoCAD Version 14** files. Supplier shall also supply a maintenance manual with all recommended maintenance procedures and schedule of each maintenance task.

B. GENERAL SPECIFICATIONS

1. Product shall be manufactured in accordance with the latest issue **ASTM, NEMA, IEEE** and **ANSI** specifications.

2. Upon inspection of incoming material, the Purchaser reserves the right to refuse product shipments and to determine the acceptability and rejectability of the product received. The Supplier shall be liable for shipment and handling cost incurred for product that is rejected.
3. Prior to any changes to the Supplier's approved designs, quality routines, or inspection procedures, the Purchaser shall be notified in writing for approval before proceeding.

C. ELECTRICAL SPECIFICATIONS – General

1. All capacitor bank assemblies shall include phase and ground switches, frame for pole mounting including hardware, enclosure, protective equipment, and completed wiring. All bank assemblies shall be mounted on a common frame or enclosed in a common housing for handling, transportation, and operation as a single unit.
2. Capacitor assemblies shall be designed to provide safe operating clearances per **CL-1 Outdoor Electrical Clearances**, latest revision.
3. All assemblies shall be designed to resist corrosion, overheating, and wildlife entry.
4. Capacitor unit tank shall be made using grade **409** Stainless Steel.
5. The tank shall be prepared for surface coating and primed with an epoxy primer having a nominal thickness of one mil. The capacitor unit tank shall be spray painted a urethane finish paint with a nominal thickness of one mil. The color of the finish coat shall be **Munsell Color Code 5BG7.0/0.4** light gray. The coating system shall meet requirements of **ANSI C57.12.31 - Pole Mounted Equipment Standard** and **ANSI C57.12.29 - Coastal Pole Mounted Equipment Standard**. The capacitor unit shall be provided with stainless steel mounting brackets with industry standard 15.62 inch mounting centers.
6. The underside of each bracket shall not be painted to assure positive grounding.
7. Each capacitor unit shall have a stainless steel nameplate containing data required by applicable standards.
8. The capacitor unit shall be supplied with a blue non-PCB decal on the capacitor tank to provide quick and easy identification.
9. Capacitor unit bushings shall be light gray, wet process porcelain. They shall be glazed for high strength and durability, and shall be hermetically, solder sealed to the capacitor tank. Capacitor units shall be supplied with two bushings. The detailed specification shall indicate the number of bushings required.
10. Each terminal shall be supplied with parallel-groove terminals that accommodate copper or aluminum conductors from **No. 8** solid to **No. 1** stranded.
11. The ratings of the capacitor bushings shall have the following characteristics:
 - a. For the **95 kV-BIL** capacitors, the bushings shall have a minimum creepage distance of **10.38** inches, and a minimum strike distance of **6.25** inches.
12. The capacitor units shall have, at a minimum, meet the following:
 - a. Definite (non-probability) capacitor unit tank rupture curve.
 - b. 10,000 amp fault current handling capability.
 - c. Internal pack construction shall be extended foil, mechanically crimped.
 - d. Constructed of polypropylene film and laser cut foil for maximum PDIV. Paper film type dielectric capacitors will not be considered. The PDIV ratio to operating stress shall not be less than **180%** at room temperature.

- e. Non-PCB dielectric fluid must be used.
- f. Capacitor units shall have an internal discharge resistor to reduce the residual charge to 50 volts or less within 5 minutes.
- g. Capable of being operated in ambient temperature from **-40°** to **+46°** degrees C.
- h. Capable of being energized at **-40°** degrees C internal capacitor temperature.
- i. Compliant to **ANSI/IEEE** std.18 latest revision, and **NEMA CP-1** latest revision

13. Capacitor Rack Mounting Frame

- a. A pole mounted capacitor rack frame shall be provided to mount the capacitor units. The rack frame shall be made using lightweight, all-aluminum (**ASTM 6061-T6**) with the following features:
 - i. Pole mounting plate with **18-inch** mounting hole spacing for direct pole mounting. The pole mounting bracket shall be supplied with a grounding connector and with jump-proof lips. The pole mounting plate shall allow for mounting of the pole mounted capacitor rack to round wooden poles.
 - ii. Legs which allow the capacitor rack frame (with all accessories installed) to sit level on the ground.
 - iii. Four lifting eyes which provide for level lifting.
 - iv. When accessory equipment is required (such as control power transformers, surge arresters, etc.), then appropriate mounting brackets shall be supplied for mounting these devices.
- b. The pole mounted capacitor rack shall be supplied with:
 - i. No. 4 (**#4 awg.**) solid copper wire for wiring the capacitor units and all accessory equipment.
 - ii. Wildlife Protectors for capacitor units and switches when required.
 - iii. Birdguard protection (flexible tubing) between capacitor units.
 - iv. Stainless steel hardware for mounting capacitor units and required accessories.
 - v. Factory assembly of capacitor units and required accessories. If any component of the capacitor rack is to be shipped separately, then the quotation shall so indicate.
- c. The capacitor rack shall have proper electrical clearances for the voltage rating specified in the detail specification.
 - i. For **95 kV-BIL** applications, **7200V** phase to ground and **12,470V** phase to phase electrical clearances shall be maintained.
- d. Each pole mounted capacitor rack assemble shall be factory shipped on an appropriate wooden pallet or skid.
- e. The capacitor rack frame shall be an "in-line" type. It shall be sized to accommodate capacitor units as required by the detailed specification. Six unit frames shall be provided with sway braces.
- f. The rack frame shall be capable of mounting manufacturers **ANSI/NEMA** standard capacitor units without requiring multiple rack sizes for different size kVar units.

14. Capacitor Rack Switching

- a. In addition to the requirements mentioned previously, switched pole mounted capacitor racks shall be supplied with vacuum switches and a junction box.

- i. Switches shall be used to switch the pole mounted capacitor rack. The switches shall be manufactured and tested in accordance with the latest revision of **ANSI C37.66**. Vacuum switches shall be rated as follows:
 - 1. Distribution system voltage class - **15kV**
 - 2. Rated Impulse Withstand Voltage - **95kV BIL**
 - 3. Continuous current rating - **200A**
 - 4. Symmetrical current rating - **6,000A**
 - 5. Asymmetrical current rating - **9,000A**
 - 6. High frequency transient - **12,000A**
 - 7. Transient Inrush Frequency - **6,000Hz**
 - ii. Each switch shall include a **5-pin** receptacle for connection to the junction box. Each switch shall be factory assembled and wired to the pole mounted bank at the factory. One (1) vacuum switch shall be provided per phase. The switch control voltage shall be **120 Vac @ 60 Hz**.
 - iii. This specification covers a single-stage, switched, medium-voltage, three phase capacitor bank with a single-set of fuses on the incoming circuit and consisting of one (1) configuration:
 - 1. **600 kVAR**.
 - iv. The vacuum switches shall be mounted on the front angle away from the pole, or on the rear angle on the pole side. In the case of a **3-unit** rack frame with switches mounted on the rear angle, one of the three switches is to be end mounted on the rack due to physical clearances.
 - v. Each switch shall be provided with a manual open/close operator.
- b. Switches shall be a Maysteel Trinetics type UltraVac vacuum switch in solid dielectric insulation or an evaluated equivalent. Each switched pole mounted capacitor bank shall be supplied with an aluminum, weather-resistant junction box to terminate low voltage switch wiring. The junction box shall include control cables with a **5-pin** plug to connect to the oil switches. The junction box shall be mounted on the side of the rack near the rack pole mounting bracket.
- i. The junction box shall be supplied with a **8-point** terminal strip with the following designation:

1. Spare	"SP"
2. Line Current Signal High	"CSH"
3. Neutral Current Signal High	"NSH"
4. OPEN	"OPEN"
5. CLOSE	"CLOSE"
6. Neutral/Line Current Low	"NSL-CSL"
7. Line Voltage	"LINE"
8. Spare	"SP"
 - ii. The wire from the junction box to the switches shall be **3-conductor #16** cable (additional conductors may be required for any required switch accessories). The cable shall have the following color code:
 - 1. Common White
 - 2. Close Red
 - 3. Trip Green

- iii. The wire from the junction box to the CPT shall be 2-conductor #12 cable, and shall have the following color code:
 - 1. Line Black
 - 2. Common White
- iv. The wire from the junction box to the Current Sensors/Transformers shall be 3-conductor #12 cable, and shall have the following color code:
 - 1. Line Current High Orange
 - 2. Neutral Current High Blue
 - 3. Neutral/Line Current Yellow
- v. The control cable from the junction box to the vacuum switches shall be terminated with a 5-pin screw on plug that shall have the following pin designations:
 - 1. Pin A Not Used (switch accessories if needed)
 - 2. Pin B Ground
 - 3. Pin C Close
 - 4. Pin D Trip
 - 5. Pin E Not Used (switch accessories if needed)
- vi. The junction box shall be supplied with plug receptacles such that cables from the switches and the transformer can be plugged into the junction box. Cable entry entrance bushings facilitating hardwire connections shall not be permitted.
- vii. The junction box cover shall be supplied with a captive screw and chain.

15. Control Power Transformer (CPT)

- a. A CPT shall be supplied to operate the switches and the capacitor bank controller. The CPT shall be a minimum of 3 kVA with a transformer turns ratio (TTR) of 60:1. The secondary shall be rated 120 Vac @ 60 Hz.
 - i. The CPT shall be connected line to neutral. The CPT shall be supplied with one high voltage bushing, and one low voltage bushing terminal. Grounding of the CPT shall be done by a high voltage grounding lug on the transformer tank, and a low voltage grounding lug on the tank.
 - ii. The CPT shall have the following features:
 - 1. Wildlife protector(s) on the high voltage overhead terminal(s).
 - 2. An internal weak link fuse.
 - 3. Pressure safety valve
 - 4. Non-PCB label
 - 5. Standard NEMA pole mounting bracket
 - 6. Stainless steel hardware
 - 7. Finish coat of paint shall be sky gray (1 primer, 2 finish coats)
 - 8. BIL (kV) rating consistent with the application
 - 9. Bushing creepage shall be consistent with the application
 - iii. The CPT shall be mounted on the pole mounting rack in the "A" phase position prior to shipment from the factory. All necessary high voltage (including wildlife protection) shall be provided. A cable shall be supplied from the junction box to the CPT.

- b. Surge arresters to protect the **CPT** shall be provided for each transformer.
 - i. The pole mounted capacitor rack shall include one distribution class type **MOV** surge per phase. The surge arrester shall be mounted and wired on the pole mounted capacitor rack.
 - ii. The surge arrester shall be Cooper Power Systems UHS (polymer), or evaluated equivalent.
 - iii. The rating of the surge arrester shall be supplied as stated on the detailed specification, or at the discretion of the supplier.

16. Capacitors

- a. The bank shall be equipped with all-film power capacitor units manufactured by an approved supplier.
- b. Capacitor shall be of two-bushing per phase design and shall meet the requirements of the applicable **ANSI/IEEE** standard.
- c. The capacitors shall be equipped with an internal discharge resistor that will reduce the residual voltage to fifty (50) volts or less within five (5) minutes after the power is removed from the unit.
- d. The capacitor unit shall be accessible to allow replacement.
- e. The capacitors shall be **200kVar** units per phase for 600kVar capacitor banks.

17. Current Sensor

- a. The capacitor bank shall include Lindsey Line Post Current Sensors, or an approved equivalent. Instructions for installing on industry standard crossarms shall be included.
- b. The current sensor shall provide an input of **0–10 VAC** to the controller and be connected to the same phase as the Control Power Transformer (**CPT**).
- c. The current sensors shall be provided with a waterproof, corrosion resistant cable that is plugged into the junction box.

18. Current Transformer

- a. A current transformer (**CT**), with a transformer turns ratio of **100:5** amps, shall be included to provide current sensing for neutral current detection and to determine a switching operation failure or a blown fuse.
- b. The secondary terminals of the **CT** shall have provisions and cabling to plug into the junction box with all corresponding wiring complete.
- c. The **CT** shall provide secondary input rating of **0-5** amps to the capacitor control.

19. Metering Socket

- a. The metering socket shall be provided, separate of the capacitor bank, with the ability to plug-in an industry standard-sized electronic capacitor control.
- b. The metering socket shall include 20 feet of waterproof, corrosion resistant 7-conductor jacketed cable such that it can be conveniently located on the pole below the capacitor bank. A screw-on circular style 7-pin connector shall be provided on each end of the cable to connect the metering socket to the junction box.

- c. The metering socket shall be rated for 30 amps with a six (6) jaw terminal connected in a mounting/meter base "G" configuration. Wiring of the socket shall be as follows:
- i. Terminal 1: **LINE**
 - ii. Terminal 2: **Neutral, CSL-NSL**
 - iii. Terminal 3: **NSH**
 - iv. Terminal 4: **CSH**
 - v. Terminal 5: **OPEN**
 - vi. Terminal 6: **CLOSE**
- d. The meter socket shall be complete with all the necessary internal wiring from each of the six (6) jaw terminals to the plug-in receptacle with the cable entrance on the bottom.

D. SUPPORT, SERVICE and MAINTENANCE, and USER GROUP

1. **Installation** – The Utility will install all equipment associated with the Capacitor Control Systems. The capacitor control will be purchased separately and installed by the utility.
2. **Documentation** – The system shall not be considered complete until documentation has been delivered to the utility. The vendor shall furnish one (1) copy of all applicable instruction books, including system descriptions, equipment layouts and wiring diagrams. In addition, two (2) sets of instruction manuals, including installation, operation, maintenance and troubleshooting procedures, shall be supplied.
3. **Warranty** – All materials shall be warranted for a period of one year from date of installation or 18 months from the date of shipment or whichever comes first, against material defects and workmanship. The warranty shall include parts, shipping and labor to repair the defective component at the Supplier's facility.

E. ENVIRONMENTAL REQUIREMENTS

All equipment shall be of weatherproof design, capable of operation within an ambient temperature range of -40° to $+45^{\circ}$ Celsius and a relative humidity from **0%** to **95%**, noncondensing.

F. WORKLOAD

All equipment supplied under these contract documents shall be designed for a continuous operation, **24** hours per day.

G. TEST EQUIPMENT

The vendor shall describe in its proposal and shall furnish all necessary test equipment for the system.

H. SURGE WITHSTAND

The equipment shall meet a surge withstand capability (SWC) test in accordance with **ANSI C37.0a**.

I. INSTRUCTIONS FOR RESPONSE

All systems shall include the materials, tools, equipment, testing and miscellaneous services necessary to provide a complete and operable system. It is assumed that a computer is required for any system being proposed, and as a result, should be considered a mandatory requirement for each utility system. Bidders should indicate any components or services to be provided by the Utility.

SECTION IV

PROPOSAL FORM

I propose to furnish the City of St. Charles 12.47kV Pole-Mount Capacitor Banks described in the preceding section, in accordance with the attached conditions and specifications for the unit cost of \$ N/A /EA.

TOTAL COST \$ _____

UNIT COST IF CITY PAYS WITHIN 5 DAYS UPON RECEIPT/ACCEPTANCE
\$ NOT APPLICABLE /EA

TOTAL COST (IF PAID WITHIN 5 DAYS): \$ NOT APPLICABLE /EA

ALL PRICES ARE FIRM WITH NO ESCALATOR.

By submission of this bid I certify that the bid has been arrived at independently and has been submitted without collusion with any vendor of materials, supplies, or equipment of the type described in the preceding section.

Shipment can be made F.O.B. City of St. Charles _____ weeks after receipt of Purchase Order.

MANUFACTURER: NOT APPLICABLE

COMPANY

ADDRESS

CITY, STATE, ZIP

TELEPHONE

SIGNATURE OF AUTHORIZED AGENT

RBW:cjb