

Memorandum Department of Public Works



TO: Michael O. Geisel, P.E.
City Administrator

FROM: James A. Eckrich, P.E. *JAE*
Public Works Dir. / City Engineer

DATE: June 7, 2023

RE: Electric Charging Stations

As you may recall, in 2022 the Planning and Public Works Committee directed Staff to pursue proposals to install electric charging stations on City properties. On June 14, 2022 I issued a Request for Proposals (RFP), from which two proposals were received. After reviewing the proposals I initially chose the submittal from Red E Charging as the most beneficial to the City of Chesterfield. Red E Charging indicated that it would install charging stations on City property at no cost to the City, with Red E Charging recouping their costs through Ameren incentives and charges to the users. While this sounded “too good to be true” to me, I did check references who indicated that Red E Charging had in fact done this in their city. Accordingly, I worked with Red E Charging for several months in an attempt to move this project forward. Ultimately, on April 25, 2023 Red E Charging notified the City of Chesterfield that it was walking away from this project.

Once negotiations with Red E Charging were terminated I contacted IBP who had provided the second proposal. I have had several productive conversations and site meetings with IBP, resulting the in the three proposals attached. Specifically, these are as follows:

	# of charging stations	# of charging ports	Proposed Cost	Estimated Incentive	Estimated Net Cost
City Hall	3	6	\$100,159	\$30,000	\$70,159
CVAC	3	6	\$84,709	\$30,000	\$54,709
Central Park	3	6	\$97,809	\$30,000	\$67,809

As you can see, the proposals provided include a total of 18 charging ports throughout three City properties at a total net cost of \$192,677. These charging stations would be “pay” stations, and we would expect to recoup all electric and operation / maintenance costs through the fees paid by the user.


In addition to charging stations, I have investigated whether the City should begin incorporating electric vehicles into its fleet. Through Ameren, I was able to secure an Electrification Fleet Assessment (EFA) at no cost. The EFA shows that it is not technically feasible to convert a large portion of our fleet to electric vehicles at this time, primarily because the technology is not available (large trucks) or the electrification is impractical (PD vehicles that are used 24 hours per day). There are some vehicles which are both technically feasible and economically justifiable (such as parks vehicles, inspector vehicles, and pool vehicles). That said, I am reticent to recommend any implementation of electric vehicles at this time due to limited savings, the upfront cost of charging stations, and logistic difficulties associated with charging.

After reviewing this matter at length it is my recommendation that we do NOT move forward with electric vehicles or electric charging stations at this time. While the current Ameren incentive (\$5,000 per port or \$90,000 total) is substantial, I cannot justify the remaining expenditure (\$192,677) at this time.

Action Recommended

This matter should be forwarded to the Planning and Public Works Committee of City Council for its consideration. Should PPW concur with Staff's recommendation it should take no action. Should PPW determine that either electric charging stations or electric vehicles should be pursued further, it should direct Staff accordingly.

Please forward to the PPW for review and further direction.

 2023-6-7



City of Chesterfield, MO - City Hall

Quote created: June 6, 2023 Reference: 20230606-100120684

City of Chesterfield, MO
690 Chesterfield Parkway West
Chesterfield, MO 63017
United States

Jim Eckrich
jeckrich@chesterfield.mo.us
+16365374764

Comments

This is your cost. No further discounts apply.

Applicable freight and taxes will be added if they aren't already included in this quote.

Terms: Net 30

Chad Corbett - Sales Manager Industrial Battery Products



Products & Services

Base Bid Scope of Work: 690 Chesterfield Pkwy W. Chesterfield MO 63017 1 x \$81,850.00

Collins and Hermann to provide the following:

- Directional bore a total of 460lf and pull back (1) 4" HDPE conduit.
- Excavate 20 lf X 12" wide X 30" deep (Ameren x-former to Service)
- Excavate 30 lf X 12" wide X 24" deep (61" PVC conduits for chargers)
- Excavate, granular bed and set (1) pull box for Ameren's primary high voltage line. This will be at the corner of the streets.
- Excavate (3) holes 12" dia 2' deep and provide concrete backfill for panel supports. Supports

provide by EC.

- Form and pour (1) concrete pad 4' X 4' X 6" thick with welded wire fabric.
- Install (3) charger bases 18" dia, 3' BFG, 2' AFG with 4-#4 rebar verticals, no grout, no paint.
- Remove spoils from site
- Seed and straw restoration.
- Provide premium time for switch over to tie into the existing transformer.

Kaemmerlen Electric to provide the following:

- Work with Collins and Hermann to get (1) 4" bore pipe from the existing transformer to the new pad mount transformer that will feed the new 400 amp 277/480 volt service.
- We will need to install a Ameren approved pull box at the corner of the street and there will need to be a planned outage so Ameren can pull the existing pad mount transformer to install a new type and we will need to get the new bore pipe under the existing transformer.
- Install new Ameren transformer pad at the new service.
- Provide and install (1) mule tape in the new bore conduit.

Provide and install (3) 4" galvanized rigid vertical post, concrete filled with a uni-strut rack.

Provide and install the following:

- (1) Ameren Meter
- (1) Ameren approved CT cabinet with PT side cabinet.
- (1) 277/480 volt 3 phase 4 wire main breaker panel NEMA3R with (1) 200 amp breaker to feed the 150 KVA transformer.
- (1) 150 KVA pad mount transformer with rain guard and rodent shield. This will be installed on a concrete 6" thick pad.
- (1) 120/208 3 phase 4 wire main breaker panel. This will have (6) 50 amp 2 pole breakers
- Provide and install (1) 4" PVC from the pad mount transformer to the 277/480 volt panel with a expansion fitting.
- Provide and install parallel 250 MCM Aluminum conductors.
- Provide and install (6) runs of 1" PVC out from the 120/208 panel to the (3) EV chargers.
- Install customer provided (6) EVESCO Level 2 chargers. This will be (2) chargers on one pedestal for a total of (3) pedestals and (6) single port chargers.
- We will verify power to the chargers.
- Provide and install labels on the chargers and panel schedule.
- Complete test out and clean up.
- Permit will be pulled for this install.
- Work will be scheduled between 7:00am – 3:30 pm Monday through Friday

Exclusions:

- No data or Communication work
 - Exclude rock excavation, obstruction removal and rubble removal
 - All chargers will be supplied by IBP.
 - City of Chesterfield is handling/applying for the Ameren Rebate paperwork.
-

EVAC-9i-NA

6 x \$2,595.00

9.6 kW AC charger, 40A, OCPP, embedded meter, RFID, 208 / 240V single-phase, 25' type 1 charging cable. Charger software is an extra cost.

PMD-10R

3 x \$913.00

ProMountDuo Universal Pedestal for EVSE, Ruggedized

One-time subtotal \$100,159.00

Total **\$100,159.00**

Signature

Signature

Date

Printed name

Countersignature

Countersignature

Date

Printed name

This quote expires on July 6, 2023

Purchase terms

STANDARD FORM PROPOSAL AND CONTRACT

Wherever the words "Electrical Contractor" and "Customer" may appear hereafter they shall refer to the respective parties named on the reverse side hereof and signatory hereto.

1. This proposal is in accordance with our understanding of the requirements of the project and from verbal information which we received from the Customer, or its agents, and if written plans and specifications are furnished by Customer, the Electrical Contractor's interpretation of them. The Electrical Contractor assumes no responsibility as to the accuracy of such plans and specifications. It is further understood and agreed that this proposal and contract does not include any labor or materials not specifically mentioned herein. Unless otherwise provided in the plans and specifications, the Electrical Contractor shall have the right to select all materials. When specified materials are unavailable, the Electrical Contractor shall have the right to substitute for such specified materials other materials of equal or better quality. On remodeling or relocation jobs, the Electrical Contractor shall have the right to use any existing materials if suitable and to keep any materials that have been replaced by new materials.

2. Terms and amount of payment shall be those specified on the reverse side hereof. Payment shall be made on completion of this contract where the work is completed within a period of 30 days. Where a work continues beyond a period of 30 days, or is delayed for reasons beyond the control of the Electrical Contractor, monthly progress payments shall be paid in an amount equal to 90% of the first 50% of the job covered by this contract and 100% of the last 50% of the job covered by this contract. Payment shall be made to the Electrical Contractor by the 10th of the month following the date of any billing. The Electrical Contractor shall not be required to proceed with the installation of the work if the payments applying on same have not been made as specified in the contract. In the event suit is filed by the Electrical Contractor to collect any monies due hereunder or to enforce any other provisions of the contract, the Customer agrees to pay all costs, and the attorney's fees incurred, together with interest on all unpaid balance at the rate of 10% per annum.

3. Alterations or additional work ordered by Customer or his agent shall constitute an addition to this proposal, and shall be charged for on a time and material basis in accordance with the current prices shown in the Biddle Trade Bureau Price Book, or similar locally recognized standard, in effect at time of billing. If any additions to the contract are ordered, the amount to be paid for the same shall be determined by the Customer and the Electrical Contractor at the time that they are ordered, and if they do not agree upon an amount to be paid, then the Customer shall pay a reasonable price therefore. If the change requested by the Customer shall reduce the amount of labor or material, or both, that the Electrical Contractor shall furnish to the project, then the Customer and the Electrical Contractor shall agree at the time that the change is requested on the amount of credit that shall be given by the Electrical Contractor to the Customer, and if they do not agree upon an amount of credit then the reasonable value of the labor and material shall be credited to the customer. The Electrical Contractor shall receive written orders for all additional work or changes signed by an authorized person before proceeding with such additions or changes. However, if such written orders are not received this shall not affect the right of the Electrical

Contractor to receive payment as outlined above for said labor and materials so furnished. Payments for additions or changes shall be made under the same terms and conditions as are embodied in the original proposal and contract.

4. All prices quoted herein are firm upon acceptance of this proposal, and are subject to correction prior to acceptance. All written proposals are conditioned upon acceptance within time limit specified on face of this proposal. Verbal quotations are subject to immediate acceptance and terminate the day they are made.

5. Where this proposal covers the connection of machinery and equipment, it is based upon one point of wiring attachment to each machine, unless plans and specifications clearly set forth in detail any wiring which is to be installed on such equipment or machine, or where specifically set forth and included in this proposal.

6. It is a condition of this proposal that all materials or devices which are supplied by the Electrical Contractor for installation will be of a type that is approved for the purpose. It is further stipulated that the Customer will assume the same responsibility for any material or equipment not furnished by the Electrical Contractor, including the adequacy and approval of all existing services, feeders, panels, control devices or other facilities which are to be utilized in this installation, and the Customer will assume responsibility for any changes in connection therewith which may be required by inspection authorities, or for any other reason, unless otherwise specifically set forth in this proposal.

7. This proposal including any plans, specifications, drawings or engineering data are furnished by the Electrical Contractor to Customer in trust for determining the scope of the work to be performed and shall remain the property of the Electrical Contractor. They shall be immediately returned to the Electrical Contractor in the event he is not awarded the contract to perform such work. If such plans, specifications or other data are used for the purpose of obtaining other bids or in connection with the installation, the Customer shall pay the Electrical Contractor for all expense in preparing such plans or other data on an engineering fee basis.

8. Any bonds required by Customer shall be furnished by the Electrical Contractor, and the cost thereof added to and become a part of this proposal, unless otherwise provide in this proposal. It is hereby stipulated that the Electrical Contractor shall not be held responsible or liable for any loss, damage or delay caused by fire, strikes, accident or any other cause beyond his control. Electrical Contractor's liability is expressly limited to the cost of replacing any defective electrical workmanship or materials furnished by him and shall not extend to any consequential damages of Customer. Any claim hereunder must be made within six months of the date of installation. Public Liability, Workmen's Compensation, Property Damage and Automobile Liability Insurance are carried by the Electrical Contractor and certificates will be delivered upon request. Fire, Extended Coverage Insurance will be provided by the Customer covering all improvements at the job site. Such insurance will cover the interest of the Electrical Contractor, if any. If Customer is tenant of the premises he shall indemnify and hold Electrical Contractor free and harmless from any claims of the owner, or other third parties, arising by reason of any electrical work done as directed by Customer and from any claims arising from trade in of electrical materials.

9. Where a controversy arises concerning union labor jurisdiction covering any portion of the Electrical Contractor's work, proper allowances will be made for such work awarded to others, and not performed by the Electrical Contractor. The Electrical

Contractor will be reimbursed for additional work not originally included in this proposal which is added by reason of any jurisdictional award.

10. Unless otherwise provided herein, the amount of any present or future sales or other tax, Federal, State or City, which we now, or hereafter shall be required to pay, either on our own behalf or on behalf of the Customer, or otherwise, with respect to any labor or material covered by this proposal shall be added to the prices quoted herein and paid by the Customer in the same manner and with the same effect as if originally added hereto.

11. If the Customer shall enter into a sale or shall sell all or any part of the premises herein involved, the full amount remaining unpaid on this contract becomes due and payable within 48 hours after date of such sale or agreement of sale at the option of the Electrical Contractor. Title to any of the material sold or installed hereunder by the Electrical Contractor shall remain in the Electrical Contractor until all the terms hereof have been complied with, and in the event such materials are affixed to realty, it is expressly understood and agreed that they shall remain personal property subject to removal by the Electrical Contractor. The owner, buyer and Customer hereby waives any and all claims for damage to said realty or buildings caused by the removal of said materials or any part thereof.

12. The price has been determined on the basis of straight time and normal work week. No overtime will be worked unless ordered by Customer or his representative. In the event overtime is worked, the overtime premium rates plus Electrical Contractor's regular mark-up for overhead and profit will be paid as an extra.

13. Upon acceptance, it is understood and agreed that this contract cannot be cancelled except by mutual consent, and then only after payment to the Electrical Contractor for all labor, material and job costs plus his regular mark-up for overhead and profit.

14. Authorization to proceed with the work or issuance of purchase orders by Customer to Electrical Contractor accepting any or all parts of this proposal shall be subject to the foregoing conditions.

NOTICE TO OWNER

FAILURE OF THIS CONTRACTOR TO PAY THOSE PERSONS SUPPLYING MATERIAL OR SERVICES TO

COMPLETE THIS CONTRACT CAN RESULT IN THE FILING OF A MECHANIC'S LIEN ON THE PROPERTY WHICH IS THE SUBJECT OF THIS CONTRACT PURSUANT TO CHAPTER 429, RSmo. TO AVOID THIS RESULT YOU MAY ASK THIS CONTRACTOR FOR LIEN WAIVERS FROM ALL PERSONS SUPPLYING MATERIALS OR SERVICES FOR THE WORK DESCRIBED IN THIS CONTRACT. FAILURE TO SECURE LIEN WAIVERS MAY RESULT IN YOUR PAYING FOR LABOR AND MATERIAL TWICE.

Questions? Contact me



Chad Corbett

Sales Manager

chad.corbett@ibpmidwest.com

+14029793074

Industrial Battery Products

1250 Ambassador Blvd.

St. Louis MO 63132

United States



City of Chesterfield, MO - Athletic Fields

Quote created: June 6, 2023 Reference: 20230606-102242098

City of Chesterfield, MO
690 Chesterfield Parkway West
Chesterfield, MO 63017
United States

Jim Eckrich
jeckrich@chesterfield.mo.us
+16365374764

Comments

This is your cost. No further discounts apply.

Applicable freight and taxes will be added if they aren't already included in this quote.

Terms: Net 30

Chad Corbett - Sales Manager Industrial Battery Products



Products & Services

Base Bid Scope of Work - 17925 North Outer 40

1 x \$66,400.00

Collins and Hermann to provide the following:

- Excavate 30 lf X 12" wide X 36" deep ((1) 4" for primary, pole to pad)
- Excavate 20 lf X 12" wide X 30" deep ((1) 4" PVC conduit. Secondary pad to service)
- Pick up, granular bed and set (1) precast transformer pad.
- Excavate (3) holes 12" dia 2' deep and provide concrete backfill for panel supports.

Supports provide by EC.

- Install (3) each chargers bases 18" dia, 3' BFG, 2' AFG, 4 #4 vertical, #3 ties at 12" on centers. No paint, no grout
- Form and pour (1) concrete pad 4' X 4' X 6" thick with welded wire fabric.
- Install (3) charger bases 18" dia, 3' BFG, 2' AFG with 4-#4 rebar verticals, no grout, no paint.
- Install a total of (9) bollards 4" dia, 3' BFG, 4' AFG concrete filled, painted yellow. This will be (2) at each of the charger stations and (3) in front of the pad mount transformer.
- Remove spoils from site
- Seed and straw restoration.

Kaemmerlen Electric to provide the following:

- Work with Collins and Hermann to get (1) 4" PVC from the new Ameren pole that Ameren will install. This will go from pole to the new pad mount transformer.
- Install new Ameren transformer pad at the new service.
- Provide and install (1) mule tape in the new PVC conduit.
- Provide and install (3) 4" galvanized rigid vertical post, concrete filled with a uni-strut rack.
- This is what will provide support to the new service.

Provide and install the following:

- (1) Ameren Meter
- (1) Ameren approved CT cabinet with PT side cabinet.
- (1) 277/480 volt 3 phase 4 wire main breaker panel NEMA3R with (1) 200 amp breaker to feed the 150 KVA transformer.
- (1) 150 KVA pad mount transformer with rain guard and rodent shield. This will be installed on a concrete 6" thick pad.
- (1) 120/208 3 phase 4 wire main breaker panel. This will have (6) 50 amp 2 pole breakers
- Provide and install (1) 4" PVC from the pad mount transformer to the 277/480 volt panel with a expansion fitting.
- Provide and install parallel 250 MCM Aluminum conductors.
- Provide and install (6) runs of 1" PVC out from the 120/208 panel to the (3) EV chargers.
- Install customer provided (6) EVESCO Level 2 chargers. This will be (2) chargers on one pedestal for a total of (3) pedestals and (6) single port chargers.
- We will verify power to the chargers.
- Provide and install labels on the chargers and panel schedule.
- Complete test out and clean up.
- Permit will be pulled for this install.
- Work will be scheduled between 7:00am – 3:30 pm Monday through Friday.

Exclusions:

- No data or Communication work
- Exclude rock excavation, obstruction removal and rubble removal

-
- All chargers will be supplied by IBP.
 - If there is startup of the chargers this will be handled by IBP.
 - City of Chesterfield is handling/applying for the Ameren Rebate paperwork.
-

EVAC-9i-NA

6 x \$2,595.00

9.6 kW AC charger, 40A, OCPP, embedded meter, RFID, 208 / 240V single-phase, 25' type 1 charging cable. Charger software is extra.

PMD-10R

3 x \$913.00

ProMountDuo Universal Pedestal for EVSE, Ruggedized

One-time subtotal \$84,709.00

Total **\$84,709.00**

Signature

Signature

Date

Printed name

Countersignature

Countersignature

Date

Printed name

This quote expires on July 6, 2023

Purchase terms

STANDARD FORM PROPOSAL AND CONTRACT

Wherever the words "Electrical Contractor" and "Customer" may appear hereafter they shall refer to the respective parties named on the reverse side hereof and signatory hereto.

1. This proposal is in accordance with our understanding of the requirements of the project and from verbal information which we received from the Customer, or its agents, and if written plans and specifications are furnished by Customer, the Electrical Contractor's interpretation of them. The Electrical Contractor assumes no responsibility as to the accuracy of such plans and specifications. It is further understood and agreed that this proposal and contract does not include any labor or materials not specifically mentioned herein. Unless otherwise provided in the plans and specifications, the Electrical Contractor shall have the right to select all materials. When specified materials are unavailable, the Electrical Contractor shall have the right to substitute for such specified materials other materials of equal or better quality. On remodeling or relocation jobs, the Electrical Contractor shall have the right to use any existing materials if suitable and to keep any materials that have been replaced by new materials.

2. Terms and amount of payment shall be those specified on the reverse side hereof. Payment shall be made on completion of this contract where the work is completed within a period of 30 days. Where a work continues beyond a period of 30 days, or is delayed for reasons beyond the control of the Electrical Contractor, monthly progress payments shall be paid in an amount equal to 90% of the first 50% of the job covered by this contract and 100% of the last 50% of the job covered by this contract. Payment shall be made to the Electrical Contractor by the 10th of the month following the date of any billing. The Electrical Contractor shall not be required to proceed with the installation of the work if the payments applying on same have not been made as specified in the contract. In the event suit is filed by the Electrical Contractor to collect any monies due hereunder or to enforce any other provisions of the contract, the Customer agrees to pay all costs, and the attorney's fees incurred, together with interest on all unpaid balance at the rate of 10% per annum.

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Contractor to receive payment as outlined above for said labor and materials so furnished. Payments for additions or changes shall be made under the same terms and conditions as are embodied in the original proposal and contract.

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6. It is a condition of this proposal that all materials or devices which are supplied by the Electrical Contractor for installation will be of a type that is approved for the purpose. It is further stipulated that the Customer will assume the same responsibility for any material or equipment not furnished by the Electrical Contractor, including the adequacy and approval of all existing services, feeders, panels, control devices or other facilities which are to be utilized in this installation, and the Customer will assume responsibility for any changes in connection therewith which may be required by inspection authorities, or for any other reason, unless otherwise specifically set forth in this proposal.

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8. Any bonds required by Customer shall be furnished by the Electrical Contractor, and the cost thereof added to and become a part of this proposal, unless otherwise provide in this proposal. It is hereby stipulated that the Electrical Contractor shall not be held responsible or liable for any loss, damage or delay caused by fire, strikes, accident or any other cause beyond his control. Electrical Contractor's liability is expressly limited to the cost of replacing any defective electrical workmanship or materials furnished by him and shall not extend to any consequential damages of Customer. Any claim hereunder must be made within six months of the date of installation. Public Liability, Workmen's Compensation, Property Damage and Automobile Liability Insurance are carried by the Electrical Contractor and certificates will be delivered upon request. Fire, Extended Coverage Insurance will be provided by the Customer covering all improvements at the job site. Such insurance will cover the interest of the Electrical Contractor, if any. If Customer is tenant of the premises he shall indemnify and hold Electrical Contractor free and harmless from any claims of the owner, or other third parties, arising by reason of any electrical work done as directed by Customer and from any claims arising from trade in of electrical materials.

9. Where a controversy arises concerning union labor jurisdiction covering any portion of the Electrical Contractor's work, proper allowances will be made for such work awarded to others, and not performed by the Electrical Contractor. The Electrical

Contractor will be reimbursed for additional work not originally included in this proposal which is added by reason of any jurisdictional award.

10. Unless otherwise provided herein, the amount of any present or future sales or other tax, Federal, State or City, which we now, or hereafter shall be required to pay, either on our own behalf or on behalf of the Customer, or otherwise, with respect to any labor or material covered by this proposal shall be added to the prices quoted herein and paid by the Customer in the same manner and with the same effect as if originally added hereto.

11. If the Customer shall enter into a sale or shall sell all or any part of the premises herein involved, the full amount remaining unpaid on this contract becomes due and payable within 48 hours after date of such sale or agreement of sale at the option of the Electrical Contractor. Title to any of the material sold or installed hereunder by the Electrical Contractor shall remain in the Electrical Contractor until all the terms hereof have been complied with, and in the event such materials are affixed to realty, it is expressly understood and agreed that they shall remain personal property subject to removal by the Electrical Contractor. The owner, buyer and Customer hereby waives any and all claims for damage to said realty or buildings caused by the removal of said materials or any part thereof.

12. The price has been determined on the basis of straight time and normal work week. No overtime will be worked unless ordered by Customer or his representative. In the event overtime is worked, the overtime premium rates plus Electrical Contractor's regular mark-up for overhead and profit will be paid as an extra.

13. Upon acceptance, it is understood and agreed that this contract cannot be cancelled except by mutual consent, and then only after payment to the Electrical Contractor for all labor, material and job costs plus his regular mark-up for overhead and profit.

14. Authorization to proceed with the work or issuance of purchase orders by Customer to Electrical Contractor accepting any or all parts of this proposal shall be subject to the foregoing conditions.

NOTICE TO OWNER

FAILURE OF THIS CONTRACTOR TO PAY THOSE PERSONS SUPPLYING MATERIAL OR SERVICES TO

COMPLETE THIS CONTRACT CAN RESULT IN THE FILING OF A MECHANIC'S LIEN ON THE PROPERTY WHICH IS THE SUBJECT OF THIS CONTRACT PURSUANT TO CHAPTER 429, RSMo. TO AVOID THIS RESULT YOU MAY ASK THIS CONTRACTOR FOR LIEN WAIVERS FROM ALL PERSONS SUPPLYING MATERIALS OR SERVICES FOR THE WORK DESCRIBED IN THIS CONTRACT. FAILURE TO SECURE LIEN WAIVERS MAY RESULT IN YOUR PAYING FOR LABOR AND MATERIAL TWICE.

Questions? Contact me



Chad Corbett

Sales Manager

chad.corbett@ibpmidwest.com

+14029793074

Industrial Battery Products

1250 Ambassador Blvd.

St. Louis MO 63132

United States



City of Chesterfield, MO - Pool Complex

Quote created: June 6, 2023 Reference: 20230606-111012920

City of Chesterfield, MO

690 Chesterfield Parkway West
Chesterfield, MO 63017
United States

Jim Eckrich

jeckrich@chesterfield.mo.us
+16365374764

Comments

This is your cost. No further discounts apply.

Applicable freight and taxes will be added if they aren't already included in this quote.

Terms: Net 30

Chad Corbett - Sales Manager Industrial Battery Products



Products & Services

Base Bid Scope of Work - 16365 Lydia Hill Dr.

1 x \$79,500.00

Collins and Hermann to provide the following:

- Directional bore a total of 313lf and pull back (1) 4" HDPE conduit.
- Excavate 20 lf X 12" wide X 30" deep ((1) 4" for secondary)
- Excavate 20 lf X 12" wide X 24" deep ((6) 1" PVC conduits for chargers)
- Excavate (3) holes 12" dia 2' deep and provide concrete backfill for panel supports.

Supports provide by EC.

- Form and pour (1) concrete pad 4' X 4' X 6" thick with welded wire fabric.
- Install (3) charger bases 18" dia, 3' BFG, 2' AFG with 4-#4 rebar verticals, no grout, no paint.
- Remove spoils from site
- Seed and straw restoration.
- Provide premium time for switch over to tie into the existing transformer.

Kaemmerlen Electric to provide the following:

- Work with Collins and Hermann to get (1) 4" bore pipe from the existing transformer to the new pad mount transformer that will feed the new 400 amp 277/480 volt service.
- We will need to schedule a planned outage so Ameren can pull the existing pad mount transformer to install a new type and we will need to get the new bore pipe under the existing transformer.
- Install new Ameren transformer pad at the new service.
- Provide and install (1) mule tape in the new bore conduit.
- Provide and install (3) 4" galvanized rigid vertical post, concrete filled with a uni-strut rack. This is what will provide support to the new service.

Provide and install the following:

- (1) Ameren Meter
- (1) Ameren approved CT cabinet with PT side cabinet.
- (1) 277/480 volt 3 phase 4 wire main breaker panel NEMA3R with (1) 200 amp breaker to feed the 150 KVA transformer.
- (1) 150 KVA pad mount transformer with rain guard and rodent shield. This will be installed on a concrete 6" thick pad.
- (1) 120/208 3 phase 4 wire main breaker panel. This will have (6) 50 amp 2 pole breakers
- Provide and install (1) 4" PVC from the pad mount transformer to the 277/480 volt panel with a expansion fitting.
- Provide and install parallel 250 MCM Aluminum conductors.
- Provide and install (6) runs of 1" PVC out from the 120/208 panel to the (3) EV chargers.
- Install customer provided (6) EVESCO Level 2 chargers. This will be (2) chargers on one pedestal for a total of (3) pedestals and (6) single port chargers.
- We will verify power to the chargers.
- Provide and install labels on the chargers and panel schedule.
- Complete test out and clean up.
- Permit will be pulled for this install.
- Work will be scheduled between 7:00am – 3:30 pm Monday through Friday.

Exclusions:

- No data or Communication work
- Exclude rock excavation, obstruction removal and rubble removal
- All chargers will be supplied by IBP.

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- If there is startup of the chargers this will be handled by IBP.
 - City of Chesterfield is handling/applying for the Ameren Rebate paperwork.
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EVAC-9i-NA 6 x \$2,595.00

9.6 kW AC charger, 40A, OCPP, embedded meter, RFID, 208 / 240V single-phase, 25' type 1 charging cable. Charging software is extra.

PMD-10R 3 x \$913.00

ProMountDuo Universal Pedestal for EVSE, Ruggedized

One-time subtotal \$97,809.00

Total **\$97,809.00**

Signature

Signature

Date

Printed name

Countersignature

Countersignature

Date

Printed name

This quote expires on July 6, 2023

Purchase terms

STANDARD FORM PROPOSAL AND CONTRACT

Wherever the words "Electrical Contractor" and "Customer" may appear hereafter they shall refer to the respective parties named on the reverse side hereof and signatory hereto.

1. This proposal is in accordance with our understanding of the requirements of the project and from verbal information which we received from the Customer, or its agents, and if written plans and specifications are furnished by Customer, the Electrical Contractor's interpretation of them. The Electrical Contractor assumes no responsibility as to the accuracy of such plans and specifications. It is further understood and agreed that this proposal and contract does not include any labor or materials not specifically mentioned herein. Unless otherwise provided in the plans and specifications, the Electrical Contractor shall have the right to select all materials. When specified materials are unavailable, the Electrical Contractor shall have the right to substitute for such specified materials other materials of equal or better quality. On remodeling or relocation jobs, the Electrical Contractor shall have the right to use any existing materials if suitable and to keep any materials that have been replaced by new materials.

2. Terms and amount of payment shall be those specified on the reverse side hereof. Payment shall be made on completion of this contract where the work is completed within a period of 30 days. Where a work continues beyond a period of 30 days, or is delayed for reasons beyond the control of the Electrical Contractor, monthly progress payments shall be paid in an amount equal to 90% of the first 50% of the job covered by this contract and 100% of the last 50% of the job covered by this contract. Payment shall be made to the Electrical Contractor by the 10th of the month following the date of any billing. The Electrical Contractor shall not be required to proceed with the installation of the work if the payments applying on same have not been made as specified in the contract. In the event suit is filed by the Electrical Contractor to collect any monies due hereunder or to enforce any other provisions of the contract, the Customer agrees to pay all costs, and the attorney's fees incurred, together with interest on all unpaid balance at the rate of 10% per annum.

3. Alterations or additional work ordered by Customer or his agent shall constitute an addition to this proposal, and shall be charged for on a time and material basis in accordance with the current prices shown in the Biddle Trade Bureau Price Book, or similar locally recognized standard, in effect at time of billing. If any additions to the contract are ordered, the amount to be paid for the same shall be determined by the Customer and the Electrical Contractor at the time that they are ordered, and if they do not agree upon an amount to be paid, then the Customer shall pay a reasonable price therefore. If the change requested by the Customer shall reduce the amount of labor or material, or both, that the Electrical Contractor shall furnish to the project, then the Customer and the Electrical Contractor shall agree at the time that the change is requested on the amount of credit that shall be given by the Electrical Contractor to the Customer, and if they do not agree upon an amount of credit then the reasonable value of the labor and material shall be credited to the customer. The Electrical Contractor shall receive written orders for all additional work or changes signed by an authorized person before proceeding with such additions or changes. However, if such written orders are not received this shall not affect the right of the Electrical

Contractor to receive payment as outlined above for said labor and materials so furnished. Payments for additions or changes shall be made under the same terms and conditions as are embodied in the original proposal and contract.

4. All prices quoted herein are firm upon acceptance of this proposal, and are subject to correction prior to acceptance. All written proposals are conditioned upon acceptance within time limit specified on face of this proposal. Verbal quotations are subject to immediate acceptance and terminate the day they are made.

5. Where this proposal covers the connection of machinery and equipment, it is based upon one point of wiring attachment to each machine, unless plans and specifications clearly set forth in detail any wiring which is to be installed on such equipment or machine, or where specifically set forth and included in this proposal.

6. It is a condition of this proposal that all materials or devices which are supplied by the Electrical Contractor for installation will be of a type that is approved for the purpose. It is further stipulated that the Customer will assume the same responsibility for any material or equipment not furnished by the Electrical Contractor, including the adequacy and approval of all existing services, feeders, panels, control devices or other facilities which are to be utilized in this installation, and the Customer will assume responsibility for any changes in connection therewith which may be required by inspection authorities, or for any other reason, unless otherwise specifically set forth in this proposal.

7. This proposal including any plans, specifications, drawings or engineering data are furnished by the Electrical Contractor to Customer in trust for determining the scope of the work to be performed and shall remain the property of the Electrical Contractor. They shall be immediately returned to the Electrical Contractor in the event he is not awarded the contract to perform such work. If such plans, specifications or other data are used for the purpose of obtaining other bids or in connection with the installation, the Customer shall pay the Electrical Contractor for all expense in preparing such plans or other data on an engineering fee basis.

8. Any bonds required by Customer shall be furnished by the Electrical Contractor, and the cost thereof added to and become a part of this proposal, unless otherwise provide in this proposal. It is hereby stipulated that the Electrical Contractor shall not be held responsible or liable for any loss, damage or delay caused by fire, strikes, accident or any other cause beyond his control. Electrical Contractor's liability is expressly limited to the cost of replacing any defective electrical workmanship or materials furnished by him and shall not extend to any consequential damages of Customer. Any claim hereunder must be made within six months of the date of installation. Public Liability, Workmen's Compensation, Property Damage and Automobile Liability Insurance are carried by the Electrical Contractor and certificates will be delivered upon request. Fire, Extended Coverage Insurance will be provided by the Customer covering all improvements at the job site. Such insurance will cover the interest of the Electrical Contractor, if any. If Customer is tenant of the premises he shall indemnify and hold Electrical Contractor free and harmless from any claims of the owner, or other third parties, arising by reason of any electrical work done as directed by Customer and from any claims arising from trade in of electrical materials.

9. Where a controversy arises concerning union labor jurisdiction covering any portion of the Electrical Contractor's work, proper allowances will be made for such work awarded to others, and not performed by the Electrical Contractor. The Electrical

Contractor will be reimbursed for additional work not originally included in this proposal which is added by reason of any jurisdictional award.

10. Unless otherwise provided herein, the amount of any present or future sales or other tax, Federal, State or City, which we now, or hereafter shall be required to pay, either on our own behalf or on behalf of the Customer, or otherwise, with respect to any labor or material covered by this proposal shall be added to the prices quoted herein and paid by the Customer in the same manner and with the same effect as if originally added hereto.

11. If the Customer shall enter into a sale or shall sell all or any part of the premises herein involved, the full amount remaining unpaid on this contract becomes due and payable within 48 hours after date of such sale or agreement of sale at the option of the Electrical Contractor. Title to any of the material sold or installed hereunder by the Electrical Contractor shall remain in the Electrical Contractor until all the terms hereof have been complied with, and in the event such materials are affixed to realty, it is expressly understood and agreed that they shall remain personal property subject to removal by the Electrical Contractor. The owner, buyer and Customer hereby waives any and all claims for damage to said realty or buildings caused by the removal of said materials or any part thereof.

12. The price has been determined on the basis of straight time and normal work week. No overtime will be worked unless ordered by Customer or his representative. In the event overtime is worked, the overtime premium rates plus Electrical Contractor's regular mark-up for overhead and profit will be paid as an extra.

13. Upon acceptance, it is understood and agreed that this contract cannot be cancelled except by mutual consent, and then only after payment to the Electrical Contractor for all labor, material and job costs plus his regular mark-up for overhead and profit.

14. Authorization to proceed with the work or issuance of purchase orders by Customer to Electrical Contractor accepting any or all parts of this proposal shall be subject to the foregoing conditions.

NOTICE TO OWNER

FAILURE OF THIS CONTRACTOR TO PAY THOSE PERSONS SUPPLYING MATERIAL OR SERVICES TO

COMPLETE THIS CONTRACT CAN RESULT IN THE FILING OF A MECHANIC'S LIEN ON THE PROPERTY WHICH IS THE SUBJECT OF THIS CONTRACT PURSUANT TO CHAPTER 429, RSMo. TO AVOID THIS RESULT YOU MAY ASK THIS CONTRACTOR FOR LIEN WAIVERS FROM ALL PERSONS SUPPLYING MATERIALS OR SERVICES FOR THE WORK DESCRIBED IN THIS CONTRACT. FAILURE TO SECURE LIEN WAIVERS MAY RESULT IN YOUR PAYING FOR LABOR AND MATERIAL TWICE.

Questions? Contact me



Chad Corbett

Sales Manager

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