

CITY OF BATAVIA

DATE: September 20, 2019
TO: Committee of the Whole – Utilities (PU)
FROM: Rahat Bari, City Engineer
SUBJECT: Resolution 19-107-R: Authorizing Rays Electric Service to install underground conduit through directional boring from new northeast distribution substation to existing electrical infrastructures on Hubbard Avenue for an amount not to exceed \$30,888 which includes 10% contingency amount

Background:

In recent years, the City of Batavia Electric Department has experienced problems with the outdoor medium voltage switchgear buildings at Paramount Substation. Paramount has two transformers and two switchgear buildings. The older one was installed in the late 1980s and is over thirty years old. The newer one was installed in 2000 and is 18 years old. The older transformer and switchgear are nearing end of life however the newer ones are in good working condition. To replace the older near the end of life transformer, the City is currently constructing a new distribution substation within the premise of existing Northeast Substation. The new distribution substation construction started end of 2018 and is expected to be completed in 2019.

Discussion

New feeder lines need to be installed from the new distribution substation to the existing paramount feeder lines. Power System Engineering prepared plans and specifications for these feeder lines and invited bids from potential bidders. The bids were open on August 2, 2019. We received only one bid for that project and the bid amount was significantly higher than Engineer's estimate. As a result, the City Council rejected the bid through resolution 19-094-R.

Since then, the electric department reevaluated the project and looked at opportunity to save cost for this feeder installation. We concluded that we need to reduce the scope of the project a bit and break up the project in multiple projects to save money.

This is the first portion of the feeder installation which will install two underground conduit coming out of new distribution substation at Northeast Station and connecting to the existing feeder on Hubbard Avenue. The City invited quotes from 5 contractors and received the following quotes—

Contractor's Name	Quote Amounts
Ray's Electric and Boring Services	\$28,080.00
Pirtano Construction	\$31,383.50
Carlisle	\$40,488.78
Archon Construction	\$47,210.00
Pieper Line	\$67,994.51

The City has a good working relationship with Ray's Electric and Boring Services from Elgin, Illinois. Ray's electric is a responsive and responsible contractor. City utilized Ray's electric for similar work in the previous years and very satisfied with their performance. Once the underground conduit is installed, the City will proceed forward to install cable in those conduits. Staff is currently evaluating whether to use an outside contractor or in-house staff to perform that work. Staff is inviting quotes from contractors to weigh-in those options.

Staff is recommending-

1. Resolution 19-107-R Authorizing Rays Electric Service to install underground conduit through directional boring from new northeast distribution substation to existing electrical infrastructures on Hubbard Avenue for an amount not to exceed \$30,888 which includes 10% contingency amount.

**CITY OF BATAVIA, ILLINOIS
RESOLUTION 19-107-R**

**AUTHORIZING RAYS ELECTRIC SERVICE TO INSTALL UNDERGROUND CONDUIT THROUGH
DIRECTIONAL BORING FROM NEW NORTHEAST DISTRIBUTION SUBSTATION TO EXISTING
ELECTRICAL INFRASTRUCTURES ON HUBBARD AVENUE FOR AN AMOUNT NOT TO EXCEED
\$30,888 WHICH INCLUDES 10% CONTINGENCY AMOUNT**

WHEREAS, the City of Batavia owns and operates an electric utility whereby it purchases wholesale power and resells same to its citizens; and

WHEREAS, the City of Batavia owns and operates an electric transmission and distribution network; and

WHEREAS, the City of Batavia has identified the need to make certain improvements to the Northeast Substation; and

WHEREAS, the City of Batavia Municipal Electric Utility shall install underground conduits, vaults, and handholes associated with the connecting the new distribution substation to the existing feeder from Paramount substation; and

WHEREAS, request for quotes were sought and received from qualified contractor to provide the equipment, labor, and materials for installation by directional boring methods and restoring the land; and

WHEREAS, Rays Electric and Boring Service of Elgin, Illinois has submitted a quote in the amount of \$28,080 and is the lowest bidder for the project; and

WHEREAS, Rays Electric and Boring Service is qualified to perform the work;

NOW, THEREFORE, BE IT RESOLVED, by the Mayor and City Council of the City of Batavia, Kane and DuPage Counties, Illinois, as follows:

SECTION 1: That the Mayor and City Clerk are hereby authorized to execute an agreement with Rays Electric and Boring Services in the amount of \$30,888 which includes a ten percent contingency. The agreement is attached hereto as Exhibit "1".

CITY OF BATAVIA, ILLINOIS RESOLUTION 19-107-R

PRESENTED to and **PASSED** by the City Council of the City of Batavia, Illinois, this 7th day of October, 2019.

APPROVED by me as Mayor of said City of Batavia, Illinois, this 7th day of October, 2019.

Jeffery D. Schielke, Mayor

Ward	Aldermen	Ayes	Nays	Absent	Abstain	Aldermen	Ayes	Nays	Absent	Abstain
1	O'Brien					Salvati				
2	Callahan					Wolff				
3	Meitzler					Chanzit				
4	Malay					Knopp				
5	Uher					Beck				
6	Cerone					Russotto				
7	McFadden					Miller				
Mayor Schielke										
VOTE:		Ayes	Nays	Absent	Abstentions					
Total holding office: Mayor and 14 aldermen										

ATTEST:

Ellen Posledni, City Clerk

RAYS ELECTRICAL & BORING SERVICE

37W904 US HIGHWAY 20

ELGIN, IL 60124

(847) 214-2944

lisa@rayselectrical.com

Estimate



ADDRESS
City of Batavia - 1900 Hubbard Ave. 200 N Raddant Rd Batavia, Il. 60510

ESTIMATE #	DATE
4607	09/16/2019

JOB SITE INFO

1900 Hubbard Ave., Batavia

CONTACT NAME

Mustafa Kahvedzic

CONTACT PHONE #

630-362-5495

DATE	DESCRIPTION	QTY	RATE	AMOUNT
09/16/2019	<p>12200 L - HDD/Underground **Scope of Work**</p> <ul style="list-style-type: none"> - Bore 100' and place qty (1) double 6" PE - Bore 100' and place qty (1) double 6" PE - Bore 200' and place qty (1) single 6" PE - Bore 310' and place qty (1) single 6" PE - Place qty (2) 75" x 45" x 18" fiberglass switch vaults - Place qty (1) 96" x 48" x 36" fibercast splicebox <p>*Note: PE, vaults, and splicebox to be furnished by owner</p>	1	28,080.00	28,080.00
09/16/2019	<p>Conditions Notes:</p> <ol style="list-style-type: none"> 1. We are not responsible for any open cuts if utilities are present in the streets. 2. Spoils required to be removed will be by other and paid by owner 3. Concrete pour and finishing and Sidewalk Removal will be by other and paid by owner if applicable 4. Barricades and Safe Offs must be provided and installed by other 5. This bid is based on soil containing clay or black dirt. Rock, Cobble, River rock, Quarry sandmix, Concrete or any unforeseen obstructions will be marked up as an extra and billed at \$85.00 per foot with 100' minimum. 6. No penetrations to buildings. 7. No tracer or wire in pipe 8. Any crack or humping in asphalt or concrete sidewalks and shifting of ground, we will not be held liable 9. Permits and Fees will be by other and paid by owner if applicable 10. Water must be available on site for the operation of the Directional Bore Machine 11. Any additional potholes located in asphalt, concrete or like areas will be marked as an extra at a rate of \$600.00 each, if applicable for 5" thickness. 12. Start date will be determined upon the conditions of the weather; Drilling weather conditions require a minimum 			

DATE	DESCRIPTION	QTY	RATE	AMOUNT
	temperature of 20 degrees for a period of 72 hours consistently 13. Frost Like Conditions will be marked up as an extra 14. Rays Electrical and Boring Service is not responsible for the purchase of the cable, the installation of the cable or the termination of the cable 15. Rays Electrical and Boring Service will not be responsible or held liable for any unmarked and/or private utilities. All private utility locates must be marked and the responsibility of owner 16. We will maintain a 24" to 36" burial depth, whenever possible. 17. This proposal is valid for 30 Days. 18. Julie will be notified prior to starting any underground work 19. In the event if equipment is damaged or lost underground, we have the right to open cut and retrieve lost equipment (restoration would be responsible of owner.) 20. We are not responsible for any landscape restoration, grass, shrubery, vegetation, mulch, etc. 21. Job cancellations less than 24 hours will be charged any prep fees, mobilization, material and labor fees acquired. 22. Payments are to be made in full at the time of service unless other payment terms have been agreed upon in writing. Client will be responsible for any additional fees accrued due to cost of payment collection. 23. Estimates are valid for 30 days.			

TOTAL

\$28,080.00

Accepted By

Accepted Date