

CLERK'S CONTRACT and AGREEMENT COVER PAGE

Legistar File ID#: 2020-0487

Innoprise Contract #: C20-0126

Year: 2020-2025

Amount:

Department: EP&S - Khurshid Hoda

Contract Type: Master Agreement Professional Engineering Services

Contractors Name: Christopher B Burke Engineering LTD

Contract Description: Professional Engineering Services (projects are attached as Exhibit B)
Exhibit B - C21-0028 143rd Street - Compensatory Storage Site Evaluation
Exhibit B - C21-0029 - Structural Review of Wireless Communication Facilities
Exhibit B - C21-0037 - Silver Lake West Water Main Replacement
Exhibit B - C21-0053 - STP Improvements 151st Street Resurfacing
Exhibit B - C21-0092 - Fernway Subdivision Road and Drainage Improvements
Exhibit B - C21-0105 - Stormwater Master Plan
Exhibit B - C21-0127 - Tank No. 7 Rehab Engineering Oversight
Exhibit B - C21-0128 - Tank No. 4 Rehab Engineering
Exhibit B - C21-0129 - Tank No. 6 Rehab Engineering



Exhibit B

CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520

September 17, 2021

Village of Orland Park
Public Works Department
15655 Ravinia Avenue
Orland Park, IL 60462

Attention: Mr. Kenneth Dado
Utility Operations Manager

Subject: Proposal for Design, Bidding, and Construction Engineering Services
Painting and Improvements to Elevated Tank #4

Dear Mr. Dado:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit this proposal to provide Design, Bidding, and Construction Engineering Services for the Painting and Improvements to Elevated Tank #4. Below is our Understanding of the Assignment, Scope of Services and Estimated Fee.

UNDERSTANDING OF THE ASSIGNMENT

The Village of Orland Park is seeking an engineering consultant to perform design, bidding, and construction engineering services related to the painting and improvements for Elevated Tank #4 located at 14605 88th Avenue in Orland Park, Illinois. The engineering consultant will prepare plans and specifications, construction cost estimates, obtain the necessary permits and perform Phase III construction engineering services.

SCOPE OF SERVICES

Task 1 – Preliminary Analysis: CBBEL will utilize our subconsultant, Nelson Tank Engineering and Consulting (NTEC), to perform a remote operation vehicle (ROV) maintenance inspection for the interior of the tower, and review of the tower's coating system, mechanical and electrical systems and provide the Village with a full report of items that require rehabilitation while the tank is out of service (during the coating system work). CBBEL anticipates 3 meetings with the Village. The first meeting will be on site to review existing conditions with Village staff. The second meeting will be to discuss the information provided in the preliminary assessment conducted by NTEC and included in the Preliminary Design Memorandum (PDM) prepared by CBBEL that will identify the proposed scope of work including logo design. The third meeting will be a review meeting to discuss the pre-final Contract Documents prior to bidding.

Task 2 – Project Design: Based on the information provided in the PDM prepared by CBBEL, and the proposed scope of work that has been approved by the Village, the PDM will act as the basis of the Contract Document preparation and establishment of the Engineer's Opinion of Probable Construction Cost. CBBEL will prepare Contract Documents consisting of bidding documents, contract agreement, technical specifications and design drawings for the project as described in the Understanding of the Assignment.

Task 2A – Railing and Fall Protection Barrier: The intent of the new railing system is to provide a fall protection barrier creating a safer work environment. The relocation of telecommunication antennas to the railing system is also planned to create a greater separation and less interference between communication equipment. The diameter of the railing system will be maximized to allow for future carriers to mount equipment. Final railing diameter will be determined after discussion with the Village. The railing will provide mounting attachments for inspectors and painter's rigging and equipment. CBBEL will subcontract with a structural designer to visit the site, climb to the top of the tank and perform water tank mapping as required to document existing tank top layout and create existing equipment inventory. This task requires that the tank top is free of water, ice, and snow. Prepare structural analysis report for the design of the railing ring. Overall tank stability and foundation capacity analysis are not part of this scope of work. It is our opinion that relocation of existing pod mounted telecommunication equipment to the proposed railing ring and removing of the pod mount will likely reduce the lateral load on the water tank. Prepare structural design drawings for installation of the proposed railing ring. Attend one virtual review meeting with the Village and address all comments and recommendations. Submit final construction documents for the proposed railing ring as part of the overall bidding documents.

Task 2B – New Water Tower Electric Service and Standby Emergency Generator Design: The drawings will include a site plan, plan view and sections detailing the work to be performed. The drawings will also include a one-line diagram of the standby generator, automatic transfer switch (ATS) and controls, and details of site specific equipment including new ComEd electric service drop to the tower and connected to the ATS. Technical specifications will be prepared for all equipment to be included in the project. CBBEL will prepare an opinion of probable construction cost for the generator improvements.

Task 3 – Coordination with Cellular Equipment Companies and Review of Lease Agreements: Under this task CBBEL will review the Village's current lease agreements with companies which have existing equipment currently installed on the water tower. CBBEL will send out written Notifications of Intent (NOI) to the antenna companies and cellular providers as to the Village's intent to rehabilitate the tower. Once the notifications have been coordinated, CBBEL will identify options for the Village to have this equipment removed in a timely manner to facilitate the tank painting, and coordinate a plan with the cellular companies to erect temporary facilities on site for the temporary relocation of the antennas. CBBEL will work with the cellular companies to identify the equipment that will need to be installed back on the tower once the water tower rehabilitation is complete so that the new railing will best meet the needs and requirements of both the Village and cellular companies.

Task 4 – Bidding Assistance: CBEL will prepare an Advertisement for Bids on behalf of the Village. CBEL will then notify qualified contractors regarding this project. CBEL will conduct a pre-bid meeting and respond to contractor questions during the bidding process and provide addenda as necessary. CBEL will assist the Village and attend the bid opening, perform reference checks, provide bid evaluation and tabulation, and provide a letter of recommendation to the Village for the most responsive contractor.

NOT TO EXCEED FEE

Engineering Scope of Services		Eng VI	Eng V	Eng Tech IV	Structural	Structural	NTEC	Estimated
Task	Description	\$210/hr	\$173/hr	\$137/hr	\$210/hr	Consultant		Fee
Design Engineering								
1	Preliminary Analysis	4	2	32			\$3,840	\$9,410
2	Project Design	2	8	110	8	\$9,050	\$1,080	\$28,684
3	Coordination with Cellular Companies and Review of Lease Agreements		4	48				\$7,268
4	Bidding Assistance			32				\$4,384
Subtotal Design Engineering Fee								\$49,746

We will establish our contract in accordance with the Master Agreement and associated rates attached for the Village of Orland Park.

Please sign and return one copy of this agreement as an indication of acceptance and notice to proceed. Please feel free to contact us anytime.

Sincerely,



Michael E. Kerr, PE
President

THIS PROPOSAL ACCEPTED FOR VILLAGE OF ORLAND PARK:

BY:

TITLE:

DATE:



