



CHRISTOPHER B. BURKE ENGINEERING, LTD.

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October 19, 2018

Village of Orland Park
15655 Ravinia Avenue
Orland Park, Illinois 60462

Attention: John Ingram – Director of Public Works

Subject: Proposal for Professional Engineering Services related to the Grasslands Regional Flood Control Facility

Dear Mr. Ingram,

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit this proposal to the Village of Orland Park (Village) for professional engineering services associated with the design of the Grasslands Regional Flood Control Facility. This proposal includes our Understanding of the Assignment, Scope of Services, and Fee Estimate.

UNDERSTANDING OF ASSIGNMENT

CBBEL understands that the Village has received funding from the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) for the construction of the Grasslands Regional Flood Control Facility and would like assistance managing the project, updating the plans, preparing bid specifications and other project related documents to meet the MWRDGC's requirements.

CBBEL understands that the Village would also like a proposal to be submitted for Phase III construction engineering services for observation and inspection of the construction of this project. CBBEL will submit the Phase III proposal under separate cover.

SCOPE OF SERVICES

GRASSLANDS REGIONAL FLOOD CONTROL FACILITY PHASE II SERVICES

Task 1 – Field Reconnaissance and Survey: CBBEL intends to utilize existing survey data for the proposed dam construction project. Because a significant amount of time has passed since the original survey, CBBEL will make site visits to verify existing conditions of the improvement area, perform supplemental topographic survey as needed, and take field measurements as needed. This data will be used in the updating and completion of the plans.

Task 2 – Utility Coordination: CBBEL previously sent a location map to all known utility companies requesting their atlases or plans of their facilities within the project limits. CBBEL will coordinate with the utilities as needed to verify that the plans do not conflict with the utility company's existing facilities.

Task 3 – Pre-Final Plans and Specifications: Based on the previously prepared engineering plans reviewed and approved by the Illinois Department of Natural Resources – Office of Water Resources (IDNR-OWR) and the United States Army Corps of Engineers (USACOE), CBBEL will review, evaluate and update the engineering plans as needed for conformance to current standards and practices. The review will include recent updates to the Village's Land Development Code and the MWRDGC's Watershed Management Ordinance, as well as any updates or changes by the Illinois Department of Transportation (IDOT), IDNR-OWR and USACOE. CBBEL will use IDOT standard pay items or Village standard special provisions where applicable. Otherwise, project specific special provisions will be written as needed and the update will also amend the plans and specifications as needed to meet the MWRDGC's Procurement Act, MPLA, Affirmative Action and other specified conditions/requirements. Upon completion, the plans and special specifications will be submitted to the Village for review.

Task 4 – Cost Estimate: Upon completion of the Task 3, CBBEL will prepare an engineer's estimate of probable cost based on the updates and modifications to the existing engineering plans.

Task 5 – Agency Coordination/Permit Updates: CBBEL will coordinate with all permitting authorities for the project as needed. Current permits include a IDNR-OWR Dam Construction Permit and the USACOE Regional Permit. CBBEL will prepare additional submittals to the Illinois Environmental Protection Agency (IEPA) National Pollutant Discharge Elimination System (NPDES) or others as needed. Approval from the Will-South Cook Soil and Water Conservation District was achieved as part of the USACOE permit process.

Task 6 – Final Plans, Specifications, and Estimates: Once the Pre-Final Plan have been updated, reviewed and vetted by all utilities and permitting authorities, CBBEL will revise and finalize the plans, contract documents and cost estimate. During this task the bidding timeframe will be determined and an estimated construction schedule will be provided.

Task 7 – Bid Documents: Upon the completion of Task 6, CBBEL will work with the Village to prepare the appropriate bid documents based on specific Village and MWRDGC requirements.

Task 8 – Project Management: CBBEL will coordinate with the Village, MWRDGC, IDNR-OWR, USACOE and other entities as needed to finalize the plans and prepare the project for construction.

FEE ESTIMATE

TASK	DESCRIPTION	FEE
1	Field Reconnaissance and Survey	\$ 8,500
2	Utility Coordination	\$ 2,500
3	Pre-Final Plans and Specifications	\$ 7,500
4	Cost Estimate	\$ 1,000
5	Agency Coordination/Permit Updates	\$ 8,500
6	Final Plans, Specifications and Cost Estimate	\$ 2,500
7	Bid Documents	\$ 3,200
8	Project Management	\$ 14,200
	SUBTOTAL	\$ 47,900
	Direct Costs	\$ 1,500
	TOTAL	\$ 49,400

We will bill you at the hourly rates specified in the Professional Engineering Services Master Agreement including previously agreed upon Schedule of Charges and General Terms and Conditions. These General Terms and Conditions are expressly incorporated into and are an integral part of this contract for professional services. It should be emphasized that any requested meetings or additional services are not included in the preceding fee estimate and will be billed at the previously accepted Schedule of Charges.

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.

Very truly yours,



Christopher B. Burke, PhD, PE, D.WRE, Dist.M.ASCE
President

THIS PROPOSAL ACCEPTED FOR THE VILLAGE OF ORLAND PARK:

BY: _____
TITLE: _____
DATE: _____