CHRISTOPHER B. BURKE ENGINEERING, LTD.
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May 13, 2025

Village of Orland Park
Department of Recreation and Parks
14600 South Ravinia Avenue
Orland Park, IL 60462

Attention: Mr. Ray Piattoni
Director of Recreation and Parks

Subject: Proposal Supplement #1 for Design Engineering Services
Doogan Park

Dear Mr. Piattoni:

Christopher B. Burke Engineering, Ltd. (CBBEL) is submitting this proposal supplement, as requested, to provide additional Design Engineering Services for the Doogan Park Project. Below is our Understanding of the Assignment, Scope of Services and Estimate of Fee.

UNDERSTANDING OF THE ASSIGNMENT

The Village of Orland Park (Village) is seeking to supplement ongoing design services for the Doogan Park Project in Orland Park, Illinois as related to the results of a geotechnical investigation as performed by Testing Service Corporation, that has determined structurally poor and unstable soils within the project limits as well as work that has been completed on the project that either has been bid as an alternate or completed out of scope. The engineering consultant will make revisions to the plans and specifications, construction cost estimates, and obtain the necessary permits.

Based on the information discussed with the Village, we anticipate the following additional scope of future work:

- The proposed Pickleball courts will require the construction of 4" pipe underdrain to provide drainage for the aggregate base under these courts. The underdrains will deposit into a sewer structure, which will carry this water into the proposed detention basin at the south side of the park. Additional detention basin resizing will be required. Coordination and approval with The Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) will be required for a Watershed Management Ordinance (WMO) permit.
- The proposed sections of new parking lot that are to be placed at the north and south sides of the park will be redesigned for a thicker aggregate subbase, from a proposed 8" to 12".
- The proposed shelter will be redesigned by TRIA architects and their structural team, so that the proposed footings for the shelter lay on the nearest layer of stiff clay, which is reported to be approximately 8' below grade in the February 25, 2025 geotechnical report.

SCOPE OF SERVICES

Alternate Task A – $10,625.00 - Additional Lighting (Soccer & Baseball & Parking Lot): This task consisted of the design of a Single Phase Lighting System, as needed for the expansion of the proposed Parking Lots. This Alternate excluded the Soccer and Baseball Field and, therefore, took a partial fee from the original Alternate A in the project proposal.

Alternate Task B – $4,080.00 - Stormwater Analysis: This item consisted of several tasks required to meet the stormwater requirements for the project. It included Site Discovery and previous MWRD Permits, involving research into the site's history to identify any prior MWRD permitting, detention requirements, or other associated conditions. The On-site Stormwater Analysis involved a detailed evaluation of the site to determine the stormwater runoff requirements specific to the proposed development. Off-site Stormwater Analysis assessed the tributary area outside the project boundary to determine the flow rate that needed to be routed through or around the site. This task also included the development of alternatives for conveying off-site flow through the proposed development. A Village Stormwater Analysis and Report was prepared to summarize the design approach and ensure compliance with local stormwater regulations. The Detention Analysis involved multiple iterations of the site layout to determine the required detention volume and to design an appropriate detention facility. This scope also included meetings and coordination necessary to advance and finalize the stormwater design.

Alternate Task C – $13,880.00 - Detailed Design (Drainage Imp. For Watershed): This task involved making revisions to the engineering plans, project specifications, and the Engineer's Opinion of Probable Cost specifically related to the design of the detention basin and associated on-site sewer work. It included coordination with the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) to obtain approval under the Watershed Management Ordinance (WMO) permit. The scope also covered analysis to ensure compliance with MWRD permitting requirements, including preparation of all necessary worksheets and the detailed design of both detention and volume control measures. In addition, grading and drainage plans were reviewed and modified as needed to meet the requirements of both the Village and MWRD.

Alternate Task D – $10,025.00 - Design Alternates Cost Estimates & Coordination: This task included the development and coordination of design alternate cost estimates completed during the site layout alternates phase. This effort involved multiple iterations and delivery formats outside of conventional estimate templates to meet evolving project needs and facilitate decision-making. Coordination efforts under this task also included additional project management support from February through the present, as well as attendance at public meetings.

In addition, this task covered the evaluation and coordination of geotechnical recommendations specifically regarding the proposed pickleball court underdrain system and parking lot subbase improvements. Ultimately, as the geotechnical engineer indicated these items were enhancements rather than requirements (since the current site conditions already functioned under the originally designed configuration), their incorporation into the project was requested.

Alternate Task E – $5,690.00 - Shelter and Restroom Design: This task will consist of making revisions to the engineering plans, specifications, and an Engineer's opinion of probable cost as related to the additional foundation work for the proposed shelter. The Plans, Specifications, and an Engineer's Estimate of Probable Cost will be prepared by our subconsultant, TRIA Architects, and provided to the Village for review and comment.

FEE ESTIMATE

Based on the above Scope of Services, our Estimate of Fee of $44,300.00 is detailed further in the attached CBBEL Work Effort.

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

Encl. Work Effort and Fee Structure

THIS PROPOSAL, WORK EFFORT AND FEE STRUCTURE ACCEPTED FOR THE VILLAGE OF ORLAND PARK:

BY: _____

TITLE: _____

DATE: _____

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VILLAGE OF ORLAND PARK
Doogan Park Design
WORK EFFORT AND FEE STRUCTURE
05/07/2025 Supplement #1

Base

	Engineer				Survey					CAD	Sub	Total Hours	Total Cost
Classification	V	IV	III	I/II	V	IV	III	II	I	Manager			
Rate ($/hr)	$235.00	$200.00	$175.00	$155.00	$240.00	$220.00	$200.00	$160.00	$135.00	$210.00	$1.00		
Phase II - Design Engineering													
Alternate Task A - Additional Lighting (Soccer & Baseball & Parking Lot)	15		14	30								59	$ 10,625.00
Alternate Task B - Stormwater Analysis (Watershed)		8		16								24	$ 4,080.00
Alternate Task C - Detailed Design (Drainage Imp. For Watershed)	8	60										68	$ 13,880.00
Alternate Task D - Design Alternates Cost Estimates & Coordination	15		15	25								55	$ 10,025.00
Alternate Task E - Shelter and Restroom Foundation Design	2	8		4							3000	14	$ 5,690.00
												Subtotal Cost =	**$ 44,300.00**
Subtotals	40	76	29	75	0	0	0	0	0	0		220	
Percentage of Hours	18.2%	34.5%	13.2%	34.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		100.0%	
Total Personnel Cost	$9,400.00	$15,200.00	$5,075.00	$11,625.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,000.00	**Running Cost =**	**$ 44,300.00**
												Direct Cost =	**$ -**
												TOTAL COST =	**$ 44,300.00**