



CHRISTOPHER B. BURKE ENGINEERING, LTD.

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April 25, 2019

Lake County Stormwater Management Commission
500 West Winchester Road
Libertyville, IL 60048

Attention: Michael Warner, PE - Executive Director

Subject: Proposal for Professional Engineering Services
Foxconn Development Follow-Up Services
(CBBEL Project 18-324)

Dear Mr. Warner:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to present this proposal for professional engineering services for follow-up work related to the technical review of the proposed Foxconn Development based on feedback from the March 2019 Lake County Stormwater Management Commission (SMC) meeting. Included in this proposal are our Understanding of the Assignment, Scope of Services and Fee Estimate.

UNDERSTANDING OF THE ASSIGNMENT

It is our understanding that SMC would like several follow-up items completed based on feedback from the presentation at the March 2019 SMC meeting. This includes assistance with response to the recently received comments from the Southeastern Wisconsin Regional Planning Commission (SEWRPC) and a buildable area analysis completed based on the State of Wisconsin detention requirements versus Lake County requirements considering the updated Illinois State Water Survey (ISWS) Bulletin 70 rainfall. Additionally, SMC would like additional analysis with the Des Plaines River watershed models and meetings with other stakeholders in the watershed.

SCOPE OF SERVICES

Based on our recent discussion, we are proposing the following Scope of Services.

Task 1 – Assistance with Response to Public Comment: CBBEL will assist SMC staff with responses to the SEWRPC comments on the draft technical memorandum. It is our understanding that SMC will address the remaining comments, which were not technical in nature.

Task 2 – Buildable Area Analysis: A net buildable area analysis will be completed for three (3) stormwater detention scenarios that include: Current Des Plaines River release rates and rainfall, current WDO release rates and rainfall, and current WDO release rates and the updated ISWS Bulletin 70 rainfall. Based on a relationship of stormwater detention storage required per acre of land developed, a conceptual site layout will be analyzed and a net buildable area calculated for each of the three (3) scenarios given a fixed Normal Water Level (NWL) and High Water Level (HWL) bounce for the detention basin.

Task 3 – Des Plaines River Hydrologic Model Sensitivity Analysis: Based on the results of the recently completed sensitivity analysis for the Des Plaines River hydrology to upstream development in the State of Wisconsin, we will evaluate another scenario that includes development of all agricultural areas within the watershed that are outside of riverine floodplain areas. This will be completed using GIS information previously provided by SMC for agricultural land use and Federal Emergency Management Agency (FEMA) floodplain information. The 100-year flood flows and flood elevations for the Des Plaines River in Lake and Cook County will be simulated assuming this buildout of the watershed in the State of Wisconsin.

Task 4 – Agency Meetings: It is assumed meetings with SMC and other stakeholders will be required. This assumes (4) meetings with one or two CBBEL staff, depending on meeting attendees.

FEE ESTIMATE

TASK	DESCRIPTION	FEE
1	Assistance with response to public comment	\$ 1,000
2	Buildable Area Analysis	\$ 2,500
3	Hydrologic Model Sensitivity Analysis – Full Buildout Condition	\$ 4,500
4	Agency Meetings	\$ 4,000
	TOTAL	\$12,000

We will bill you at the hourly rates previously specified and in accordance with our previously agreed upon General Terms and Conditions. Direct costs for blueprints, photocopying, mailing, overnight delivery, messenger services and report compilation are not included in the fee estimate. 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 additional services are not included in the preceding fee estimate and will be billed at the attached hourly rates. The contract not-to-exceed limit will govern the ultimate expenditure of time. Once billings reach the 80% limit, a task coordination meeting will be held with SMC to determine end of contract needs, or if a contract extension is to be pursued.

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,



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

Encl. Schedule of Charges,
General Terms and Conditions

THIS PROPOSAL, SCHEDULE OF CHARGES AND GENERAL TERMS AND
CONDITIONS ACCEPTED FOR LAKE COUNTY STORMWATER MANAGEMENT
COMMISSION:

BY: _____
TITLE: _____
DATE: _____