



Village Manager's Office

MAR 26 2010

VILLAGE OF ORLAND PARK

**CHRISTOPHER B. BURKE** ENGINEERING, LTD.  
9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX(847) 823-0520

March 25, 2010

Village of Orland Park  
14700 Ravinia Avenue  
Orland Park, IL 60462

Attention: Paul Grimes

Subject: Professional Services Agreement  
151<sup>st</sup> Street and 80<sup>th</sup> Avenue Traffic Signal Modification  
Orland Park, Illinois

Dear Mr. Grimes:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit this proposal for professional engineering services related to the proposed traffic signal modifications at the intersection of 151<sup>st</sup> Street and 80<sup>th</sup> Avenue in Orland Park, Illinois. Our proposal includes our Understanding of the Assignment, Scope of Services, and Estimate of Fee.

#### UNDERSTANDING OF THE ASSIGNMENT

The project will involve the preparation of traffic signal modification plans to add an eastbound right-turn overlap indication at the intersection and an emergency vehicle preemption light detector across from Orland Fire Protection District Station 2. It is our understanding the 80<sup>th</sup> Avenue is under the jurisdiction of the Cook County Highway Department (CCHD) south of 151<sup>st</sup> Street. The proposed improvement has been discussed with CCHD and they have indicated that they will consider approving the proposed traffic signal modifications upon receipt of engineering plans. It is anticipated that the CCHD will require a permit to construct these improvements.

We will prepare the construction plans and specifications for the traffic signal modifications in accordance with CCHD standards current at the time said plans are prepared.

#### SCOPE OF BASIC SERVICES

The Scope of Services has been broken down into the following tasks.

**Task 1 – Data Collection:** CBBEL will utilize existing signal plan information to be obtained from the Village and CCHD to develop the traffic signal modification plans.

This data will be supplemented by a field reconnaissance of the intersection to verify existing conditions.

**Task 2 – Topographic Survey:** We will conduct a horizontal alignment survey of the intersection of 151<sup>st</sup> Street and 80<sup>th</sup> Avenue. This information will be used to develop the traffic signal modification plans. The survey information will include horizontal alignment of 151<sup>st</sup> Street and 80<sup>th</sup> Avenue, lane usage and traffic signal equipment. The survey limits will include the following:

- A. 151<sup>st</sup> Street: 250 feet east and west of the centerline of 80<sup>th</sup> Avenue;
- B. 80<sup>th</sup> Avenue: 250 feet north and south of the centerline of 151<sup>st</sup> Street;

It is expected that previous control points established by CBEL and the Village of Orland Park will be used to conduct the survey.

**Task 3 – Traffic Modification Plans:** Upon completion of Tasks 1 and 2 we will proceed with the development of traffic signal modification plans for the project.

**Task 3.1 – Base Sheet Preparation:** We will prepare base sheets at a scale of 1" = 20' for the traffic signal modification plans using the data collected in Task 1.

**Task 3.2 – Traffic Signal Modification Plans:** We will prepare the traffic signal modification plans using the base sheet information from Task 3.1. The traffic signal modification plans will be developed based on CCHD standards current at the time said plans are prepared. The traffic signal modification plans will include the following:

- a. Traffic Signal Modification Plans.
- b. Cable Plan.
- c. Phase Designation Diagram.
- d. Summary of Quantities.
- e. Pavement Marking Details.
- f. Technical specifications employing CCHD special provisions, to the extent they apply, will be assembled.

**Task 3.3 – Estimate of Cost:** An engineer's opinion of probable construction cost will be prepared for the project based on the final plans.

**Task 3.4 – Coordination with Local Agencies:** We will meet with CCHD staff to clarify specific design criteria and to review design comments. We will attend up to two meetings for this task.

**Task 4 – Consultation During the Design Process:** We will provide consultation including attendance at design group meetings to properly advise the Village as to engineering concerns. We will attend up to two meetings for this task.

## **SECTION II - SUPPLEMENTAL SERVICES**

### **SUPPLEMENTAL SERVICES**

Normal and customary engineering services do not include service in respect to the following categories of work, which are usually referred to as SUPPLEMENTAL SERVICES. If Client shall so advise Engineer and Engineer shall perform or obtain from others such services, Engineer will be paid on an hourly basis or based on subsequent proposal/contract agreements, at the option of Client. Additional Supplemental Services for the project include, but are not limited to, the following:

- Services due to major changes in general scope of the project.
- Preparing submittal package.
- Changes to land plan or building changes; structural engineering; wetland assessment, delineation or mitigation; flood plain fill determination or associated hydraulic calculations or permit submittals; landscape design; revisions due to phasing of construction; construction phase services
- Revising studies, reports, and design documents previously approved by the Client and/or State, or other government agencies.
- Providing engineering design and construction services for unusual or unanticipated improvements, and for additional off-site improvements requested by the Client, municipality, other government agencies, or necessary to the project development beyond that being included under BASIC SERVICES herein.
- Attendance at and preparation of exhibits for public involvement meetings, Plan Commission and Board meetings and hearings, and other project coordination meetings not included under BASIC SERVICES. We can not accurately estimate the time and cost of this due to the nature of these meetings.
- Conducting additional data collection tasks or collecting data at additional locations not included under BASIC SERVICES.
- Giving testimony as an expert witness for the Client in litigation or other court proceedings involving this project.
- Development, distribution, collection, or analysis of personal response surveys of any type, including driver surveys and resident surveys.

- Environmental Assessment and Wetland Mitigation plans or preparation of permit application and documents.
- Location Drainage Study

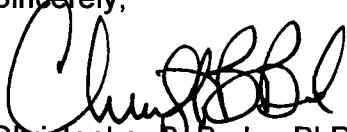
**SECTION III - FEES**

Task 1 – Data Collection	\$ 500.00
Task 2 – Topographic Survey	\$ 2,250.00
Task 3 – Traffic Signal Modification Plans	\$ 5,750.00
Task 4 – Consultation	\$ 500.00
Direct Costs	<u>\$ 500.00</u>
Total	\$ 9,500.00

We will bill on an hourly basis to you at the rates specified in our Master Agreement with the Village. We have established our contract with the General Terms and Conditions that are included in our Master Agreement with the Village, which are expressly incorporated into and are an integral part of this contract for professional services. Supplemental Services will be performed as requested and billed on a time and materials basis.

If this proposal meets with your approval, please sign both copies and return one to us for our files.

Sincerely,



Christopher B. Burke, PhD, PE, D.WRE  
President

Encl. Schedule of Charges

THIS PROPOSAL AND SCHEDULE OF CHARGES ACCEPTED FOR VILLAGE OF ORLAND PARK.

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_