



December 21, 2017

Joseph La Margo  
Village Manager  
Village of Orland Park  
14700 Ravinia Avenue  
Orland Park, IL 60462

Re: Professional Services Proposal  
I-80 and Wolf Road – Interchange Concept Feasibility Study

Dear Mr. La Margo:

On behalf of V3, Ltd., we are pleased to submit this proposal for professional engineering services on the above-referenced project. If you find this proposal to be acceptable, the executed copies of this letter, together with the General Terms and Conditions and Billing Rate Schedule attached hereto, which sets forth the contractual elements of this agreement, will constitute the entire agreement between the Village of Orland Park (CLIENT) and V3 for services on this project.

### **PROJECT UNDERSTANDING**

It is our understanding that the CLIENT is interested in determining the feasibility of adding a new interchange at I-80 at Wolf Road. North of I-80 is within the Village of Orland Park's jurisdiction and south of I-80 is within the Village of Mokena's jurisdiction. With LaGrange Road being the only north-south major arterial connecting to I-80 in the vicinity, additional roadway capacity is needed to meet future travel demands. As stated in the Village's 2040 Transportation Plan, "*opening a Wolf Road/I-80 interchange is recommended as it would provide an alternate for north-south travel as well as reduce east-west travel demand west of LaGrange Road*". Plus, a new interchange would provide development opportunities along the I-80 corridor within the Village. This improvement is classified as a high priority project in the Village's plan but it is understood that it will be a long-term project moving forward.

This proposal is comprised of V3 services associated with the preparation of the concept feasibility study. Details of services that are to be provided by V3 can be found in Exhibit I that is attached to this proposal. It is important to note that this concept feasibility study scope of services does not follow the formal Access Justification Report (AJR) process and will most likely not be formally reviewed by IDOT or the FHWA. We will meet with IDOT prior to beginning the feasibility study to confirm our approach and methodology. Upon completion of the study we will meet with IDOT to review and incorporate any feedback provided. We anticipate that any work completed as part of the concept feasibility study will be utilized for future project development.



### V3 Experience

This project requires a firm that has both company and individual experience and qualifications for complex transportation planning and engineering for interchanges within IDOT District 1, understands the process for major transportation projects, and knows the drivers of value and success that an improvement of this nature would bring to a community.

In addition to our wide range of transportation experience on various projects throughout the Chicago metropolitan area, V3 has interstate experience from our work on the I-55 corridor developing the AJR and Phase I Design for the Illinois Route 126 and Airport Road interchange in Will County. This project requires coordination with multiple stakeholders – Romeoville, Plainfield, Bolingbrook, IDOT, and Will County not to mention the residents and businesses in the area. V3 also has specific experience on the I-80 corridor working with IDOT, the City of Joliet, Will County, and a private developer for a new interchange at I-80 and I-55.

In addition to the projects mentioned above, V3 has performed design and construction services for the Illinois Tollway, specifically for the I-90 corridor improvements and the I-355 extension to New Lenox.

### COMPENSATION

The following is a breakdown of the costs for the anticipated tasks required to complete the concept feasibility study. This work will be invoiced monthly on an hourly basis not to exceed the total amount.

Task	Scope Exhibit	Fee – Hourly Not To Exceed
A. Data Collection & Review	I	\$ 4,000
B. Determination of Impacts	I	\$ 10,000
C. Alternative Analysis	I	\$ 7,500
D. Schematic Maps	I	\$ 5,000
E. Feasibility Report	I	\$ 10,000
F. Next Steps	I	\$ 1,000
G. Meetings	I	\$ 4,000
Reimbursable Expenses		\$ 1,000 (Budgeted)
<b>Total</b>		<b>\$ 42,500</b>



**Miscellaneous Exhibits**

**Scope of Services – Exhibit I**

**Extent of Agreement – Exhibit II**

**V3 Standard Billing Rate Schedule – Exhibit III**

**General Terms and Conditions – Exhibit IV**

If Additional Services are required, they will be the subject of a separate agreement.

In addition to the professional services fees set forth above, V3 shall be compensated for 100% of reimbursable expenses such as printing, postage, messenger service, travel, and other similar project-related items.

**PROJECT SCHEDULE**

Upon a notice to proceed, V3 will coordinate a project initiation meeting with IDOT. We anticipate the project to be completed within 4-6 months after our initial meeting with IDOT.

**SUMMARY**

V3 will initiate its services promptly upon receipt of CLIENT's acceptance of this proposal and receipt of all requested information to be provided by the CLIENT.

If the CLIENT or other interested parties request a computer disk of the technical memorandum and schematic maps, V3 shall be indemnified from any claims arising out of the accuracy, misuse or reuse by others of the data delivered in disk form.

This agreement, together with the Scope of Services, Billing Rate Schedule and General Terms and Conditions attached hereto, represents the entire understanding between the Client and V3. If the terms of this agreement are found to be satisfactory, please sign this agreement in the space provided and return one signed copy to our office. Receipt of the signed authorization will serve as our Notice to Proceed for this work.

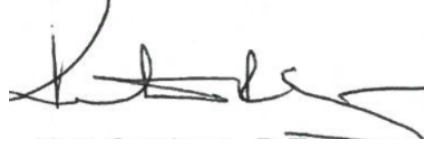
We appreciate the opportunity to present this proposal and look forward to working with you on this project.



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Joseph La Margo  
Village of Orland Park  
December 21, 2017

Sincerely,  
V3 COMPANIES OF ILLINOIS, LTD.

Accepted For:  
VILLAGE OF ORLAND PARK



BY \_\_\_\_\_  
Authorized Signature

Kurt Corrigan, P.E.  
Municipal Market Leader

PRINTED \_\_\_\_\_



TITLE \_\_\_\_\_

Vincent J. Del Medico, P.E.  
Director of Transportation and Municipal  
Engineering

DATE \_\_\_\_\_

Attachments



## EXHIBIT I SCOPE OF SERVICES

V3 will serve as the Village of Orland Park's consultant throughout the concept feasibility study process being conducted for a new I-80 interchange with Wolf Road. V3's responsibilities will include the following services.

### **A. Data Collection & Review**

V3 will obtain, collect and review the following data, information, and documents necessary for preparing the feasibility study.

- Aerial photography
- Any available reports and information previously obtained or prepared by the Village for the new interchange
- Any known plans for new development in the vicinity
- Existing or as-built roadway/bridge plans for Wolf Road
- Existing utility information from Village GIS database
- Available existing traffic counts (daily, peak hour, classifications, etc.)
- 2040 traffic projections from CMAP
- 2' contours from Will County and Cook County GIS database
- Available right-of-way information
- FIRM mapping, NWI maps, USGS atlases, and soil maps
- Summarize the above information in the report

V3 will perform a site visit to photograph and document the existing conditions and prepare aerial base maps that will be utilized for the conceptual layouts.

### **B. Determination of Impacts**

**Hydraulic and drainage analysis:** The hydraulic and drainage analysis will include a description of the existing and potential proposed drainage systems, identification of potential outfall locations and their adequacy based on Cook County and Will County requirements, and an evaluation of any floodplain and floodway encroachments.

**Environmental:** A Special Waste Assessment will be performed, in general accordance with IDOT requirements, to screen the I-80 and Wolf Road corridors in the general vicinity for inventoried sites (e.g., CERCLIS, RCRA, SRP, LUST and UST) and historical land use to determine whether there is a potential for contaminated sites.

**Threatened and Endangered Species:** V3 will submit an EcoCat Request to the Illinois Department of Natural Resources to identify any state listed species of concern. We will also perform the US Fish & Wildlife Section 7 Consultation process, which involves in the field habitat evaluation to determine whether federal species of concern listed for Cook County and Will County may live in the identified habitats.



**Soils:** A soil survey will be performed to identify the types of soil within the project boundaries.

**Wetland Site Investigation:** A formal wetland delineation is not proposed to be completed. However, a site investigation to visually evaluate the location and quality of existing wetlands will be performed.

**Tree Survey:** It is not anticipated that a formal tree survey will be required. However, the locations of trees will be noted as part of the concept exhibits.

Based on conceptual engineering, V3 will assess the potential impacts of the items previously discussed to further understand and define the permitting scenarios with regulatory agencies. The report will summarize the results and any implications related to project feasibility.

### **C. Alternative Analysis**

V3 will prepare up to three (3) alternative interchange concepts which will be based on the collaboration with Village staff, IDOT, other stakeholders, and planned improvements to Wolf Road to minimize the potential utility, right-of-way, and environmental impacts. The alternatives will be presented as colored conceptual graphic images in plan view. The layout will be in accordance to guidelines and requirements of FHWA and IDOT's BDE Manual.

The horizontal alignment of Wolf Road will be based on 2050 traffic projections. The basis of these projections will be the current CMAP 2040 projections escalated 1.5-2% for 10 years. It is assumed that additional lanes will not be required on I-80. The geometric layout of the roadways will be designed in accordance with IDOT's design criteria. Conceptual cross sections at critical locations will be prepared for the bridges over I-80 and I-80 ramps to determine the right-of-way and easements that may be needed for the project.

A conceptual estimate of the probable construction cost for each alternative interchange layout will be prepared based on 2018 construction pricing. The cost will be based on high level quantity takeoffs, labor costs, typical production rates, equipment rates, and material costs.

### **D. Schematic Maps**

V3 will prepare schematic plan exhibits on aerial photos for each alternative interchange layout that show the proposed interchange and include the identification of all proposed rights-of-way, permanent easements, and temporary construction easements. The exhibits will also identify potential stormwater detention areas, wetland impacts, and impacts to any parks, recreation, floodplain areas.

The plan exhibits will be presented and submitted to the Village for review and revised based on Village staff comments. Additionally, V3 will submit to and coordinate with IDOT Geometrics regarding the conceptual layout review and receiving comments. Their review will be documented in the report.

### **E. Feasibility Report**

V3 will prepare a technical report that summarizes our findings for the feasibility of a new interchange at I-80 and Wolf Road. The following is brief outline of the tasks that will be necessary for the preparation of the report.



- Compile exhibits, maps, graphs and tables, etc.
- Analyze alternatives/alternates
- Write report, proof read, and edit
- Print, bind, and deliver to the Village (10)

The memorandum will be revised based on comments received from the Village staff, IDOT, and other stakeholders. A disposition of comments will be prepared with each submittal. It is anticipated that three (3) submittals will be required to obtain Village and IDOT concurrence on the concept feasibility study.

#### **F. Next Steps**

V3 will develop an outline of the next steps that the Village should consider to move the project forward. The outline will be discussed with the Village and included in the report. This outline will include a brief summary of funding opportunities and potential partnerships.

#### **G. Meetings**

V3 will coordinate with the Village and attend meetings as required throughout the duration of the project. The meetings will include, but not be limited to:

- Project and progress meetings with Village staff (3)
- IDOT coordination meetings (2)
- Village Board/Committee meetings (2)
- Other stakeholder meetings (2)

A maximum of eight (9) meetings have been budgeted for this task.



## EXHIBIT II

### EXTENT OF AGREEMENT

This agreement is for professional services for determining the feasibility of an interchange at I-80 and Wolf Road as described herein. Should additional services be required, they will be the subject of a separate agreement. Furthermore, this agreement excludes services for:

- Social and economic analyses for a new interchange;
- Topographic or land surveying services;
- Wetland delineation services;
- Design services, modeling, or permitting associated with work in an existing floodplain, floodway, or wetlands;
- Design services, modeling, or permitting associated with stormwater detention facilities;
- Landscaping, irrigation or geotechnical consulting services;
- Traffic Impact Studies or detailed traffic analyses;
- Preparation of Construction Documents;
- Permitting, fees, bonds, etc.; and
- Construction Engineering Services.

**Please note that V3 can provide these services outlined above should they be required.**

