



January 31, 2011

Mr. Ed Wilmes  
Director, Public Works and Engineering  
Village of Orland Park  
15655 Ravinia Avenue  
Orland Park, IL 60462

Re: Professional Engineering Services  
143<sup>rd</sup> St. & LaGrange Rd. Intersection Improvement - Resident Engineering

Dear Mr. Wilmes,

At your request, we are including here our estimated engineering costs to complete the 143<sup>rd</sup> Street & LaGrange Road Intersection Improvement project.

A tabulation of the proposed fees is attached. The fee estimate is higher than was originally proposed and approved. Increased staffing and hours are necessary for the following reasons:

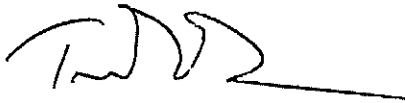
- Construction management of public utility relocations to eliminate conflicts with roadway improvements. The scope of work for utility relocations is extensive and includes ComEd, AT&T, Nicor, Comcast and installation of a conduit system to carry a future use fiber optic system. The value of this utility work exceeds \$3.5M in value.
- Added construction management staff and more experienced staff added to our team to accommodate the following:
  - A higher level of communication with area businesses and residences put in place during watermain construction and to continue during roadway improvements. This service includes email blasts, newsletters and 24 hour response to stakeholder concerns.
  - Management and documentation of contaminated soils to be disposed of during roadway improvements. The presence of contaminated soils was unknown at the time the original fee estimate was submitted and approved.
  - Construction management of significant components of work added to the project since the original fee estimate was submitted and approved. The added work includes many detail oriented items such as streetscape style improvements, landscaping and lighting.
- Design support services during construction by V3 and Norris Design to review and approve aesthetic components of work.
- Added environmental engineering professional services to assist with contaminated soil disposal procedures manage soil testing and oversee removal of an "orphaned" underground storage tank discovered during watermain installation.

Page 2 of 2  
Mr. Ed Wilmes  
January 31, 2011

This fee estimate offers a team at a level of effort which we feel will meet the needs of the Village of Orland Park and all the stakeholders on the project. The total estimated fee for our services is not to exceed \$1,135,113.17. A supplement to the current Village Purchase Order in the amount of \$531,813.17 will be required. These services will be provided under the terms of our original contract for Professional Engineering Services – 143<sup>rd</sup> Street & LaGrange Road – Construction Oversight dated February 18, 2009.

We look forward to working with the Village of Orland Park on the next phase of this project. Please contact me if you have questions regarding this proposal.

Sincerely,  
V3 Companies of Illinois, LTD.

A handwritten signature in black ink, appearing to read 'Tom R. Valaitis', with a long horizontal line extending to the right.

Tom R. Valaitis, P.E.  
Division Director, Construction Engineering

**Resident Engineering Fee Estimate**

143rd Street & LaGrange Road

**Resident Engineering Fee - ROADWAY/SOILS/ENVIRONMENTAL/UTILITIES**

Role	HOURS per Period Ending												Total Hours	Hourly Rate	Direct Labor	TOTAL w/ 2.8 DLM											
	12/3/2010	12/31/2010	1/28/2011	2/25/2011	3/25/2011	4/22/2011	5/20/2011	6/17/2011	7/15/2011	8/12/2011	9/9/2011	10/7/2011					11/4/2011	12/2/2011	12/30/2011	1/27/2012	2/24/2012	3/23/2012	4/20/2012	5/18/2012	6/15/2012	7/13/2012	
Division Director	1	1	4	4	4	8	8	8	8	8	8	8	8	8	8	4	4	4	4	4	8	8	4	126	\$ 74.04	\$ 9,329.04	\$ 26,121.31
Sr. Project Mng.	36	36	40	40	40	40	40	40	40	40	40	40	40	40	40	20	20	20	20	20	20	20	20	732	\$ 50.70	\$ 37,112.40	\$ 103,914.72
Resident Engr.	108	112	120	160	160	180	180	180	180	180	180	180	180	180	180	160	160	160	160	160	160	160	160	3560	\$ 38.00	\$ 135,280.00	\$ 378,784.00
Project Engr.					160	180	180	180	180	180	180	180	180	180	180	160	160	160	160	160	160	160	160	2520	\$ 30.00	\$ 75,600.00	\$ 211,680.00
Technician /U/					160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	1600	\$ 27.00	\$ 43,200.00	\$ 120,960.00
Intern Tech.					180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	1780	\$ 16.50	\$ 29,370.00	\$ 82,236.00
Surv. (1 man robotic)					80	40	16	8	8	8	8	8	8	8	8	16	40							336	\$ 52.92	\$ 17,781.12	\$ 49,787.14
																										\$ 973,483.17	

ESTIMATED REIMBURSABLE EXPENSES											
vehicle days	phones months	QA material testing	total	rate							
10	10	14	20	46							
1	1	1	2	4							
1	1	1	2	4							
4	4	4	4	4							
4	4	4	4	4							
18	18	18	18	18							
34	34	34	34	34							
2	2	2	2	2							
2	2	2	2	2							
1	1	1	1	1							
1015	1015	1015	1015	45.00							
56.5	56.5	56.5	56.5	70.00							
1	1	1	1	53,000.00							

1) Various utilities will be completely relocated by March 2011.

2) Contractor may be able to begin some work in the winter of 2011 and substantial completion will occur by 11/11/2011.

3) The schedule for the main roadway contract will have the following target dates:

Advertisement: December 2010  
 Bid Opening: January 2011  
 Award: 2/21/2011  
 NTP: 3/15/2011  
 Substantial Completion: 11/11/2011  
 Final Completion: 6/01/2012

Environmental Services (soils assistance + tank removal) = \$ 24,000.00

Design Support During Construction = \$20,000 (V3) + \$15,000 (Norris) = \$ 35,000.00

Grand Total: \$ 1,135,113.17

Original Purchase Order of \$835,700 less engineering fee to date \$232,400 = purchase order available: \$ 603,300.00

Fee Supplement Requested: \$ 531,813.17