



February 15, 2012

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

Re: Professional Engineering Services
143rd St. & LaGrange Rd. Intersection Improvements - Resident Engineering

Dear Mr. Wilmes,

At your request, we are including here our estimated engineering costs to complete the 143rd Street & LaGrange Road Intersection Improvements 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 these reasons:

- Added services to our current design and construction scope including the following:
 - Provided design support during construction to accommodate changes required by IDOT during the on-going IDOT Permit application process.
 - Coordinated the Village's Intersection Improvement Project with the adjacent IDOT projects within the LaGrange Road corridor.
 - Modified contract documents to include revised streetscape and other aesthetic improvements (such as the super crosswalk) that will be used throughout the IDOT corridor.
 - Re-issued contract plans and specifications to include areas of work adjacent to the newly acquired Orland Plaza property, Olde Orland Centre, Foot and Ankle Clinic and the properties at 9661, 9771/3 & 9775 143rd Street.
- New scope of work not in our previous agreement including the following:
 - Contracted with Applied Research Associates to evaluate and report on the structural capacity and durability of the concrete banded brick paver crosswalks to gain IDOT acceptance of this feature.
 - Collected survey data for existing conditions and staked proposed work for Village negotiations with various property owners regarding easements and property acquisitions. Prepared several exhibits to document conditions and accompany written property agreements.

- Provided environmental engineering & reporting, site & laboratory soils testing and coordination with the Illinois Environment Protection Agency to remove special waste off site and also to verify which impacted soils were allowed to remain on site in accordance with State regulations.

This fee estimate offers a team at a level of effort which we feel will continue to meet the needs of the Village of Orland Park and all stakeholders in the project. The current estimated fee for our services is not to exceed \$1,367,513.17. A supplement to the current Village Purchase Order in the amount of \$135,000.00 will be required to complete this project. These services will be provided under the terms of our original contract for Professional Engineering Services – 143rd Street & LaGrange Road – construction Oversight dated February 18, 2009.

Please feel free to contact me to discuss this proposal.

Sincerely,
V3 Companies of Illinois, LTD.

A handwritten signature in black ink, appearing to read "Tom R. Valaitis" with a stylized flourish at the end.

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

Monitor Report

**143rd Street & LaGrange Road
Resident Engineering**

Prepared: 12/9/2011
Invoices thru: 11/26/2011

Role	4 week period ending												Total Hours	Hourly Rate	Direct Labor	TOTAL w/ 2.8 DLM
	9/24/2011	10/22/2011	11/19/2011	12/17/2011	1/14/2012	2/11/2012	3/10/2012	4/7/2012	5/5/2012	6/2/2012	6/30/2012	7/14/2012				
Division Director				6	4	4	4	4	4	4			26	\$ 70.00	\$ 1,820.00	\$ 5,096.00
Sr. Project Mang.				2	2	2	2	2	2	2			12	\$ 50.70	\$ 608.40	\$ 1,703.52
Resident Engr.				180	120	160	160	160	160	120			1060	\$ 40.00	\$ 42,400.00	\$ 118,720.00
Project Engr.				12									12	\$ 34.50	\$ 414.00	\$ 1,159.20
Technician I/II				170	40	160	160	160	160	80			930	\$ 30.00	\$ 27,900.00	\$ 78,120.00
Intern Tech.				150									150	\$ 16.00	\$ 2,400.00	\$ 6,720.00
Technician I/II				12									12	\$ 22.50	\$ 270.00	\$ 756.00
Design PM				8	8	8	8	8	8				48	\$ 70.00	\$ 3,360.00	\$ 9,408.00
Design Engineer				16	16	16	16	16	16				96	\$ 35.00	\$ 3,360.00	\$ 9,408.00
																\$ 231,090.72

ESTIMATED REIMBURSABLE & SUB EXPENSES												total	rate
vehicle days				56	19	35	35	35	35	10		225	\$ 45.00
phones months				2	2	2	2	2	2	0		12	\$ 70.00
QA material testing												1	\$ 5,000.00
Norris												1	\$ 7,500.00

Total Fee Required: \$ 254,555.72
Fee Remaining 11/26/11: \$ 128,724.18
Balance: \$ (125,831.54)



MEMORANDUM

DATE: February 10, 2012
TO: Ed Wilmes -- Village of Orland Park
FROM: Ed Herlihy
CC: Tom Valaitis
RE: LaGrange Road & 143rd Street Engineering Fee Supplement Recap

Ed:

The following is a summary of the scope and value for work added to the project for which V3 is requesting an increase in our fee.

<u>Scope Change</u>	<u>Added Cost</u>
DESIGN MODIFICATIONS	\$133,431.00
• Provided design support during construction to accommodate changes required by IDOT during the on-going IDOT Permit application process. • Coordinated the Village's Intersection Improvement Project with the adjacent IDOT projects within the LaGrange Road corridor. • Modified contract documents to include revised streetscape and other aesthetic improvements (such as the super crosswalk) that will be used throughout the IDOT corridor. • Re-issued contract plans and specifications to include areas of work adjacent to the newly acquired Orland Plaza property, Olde Orland Centre, Foot and Ankle Clinic and the properties at 9661, 9771/3 & 9775 143rd Street.	
SUPER CROSSWALK EVALUATION	\$5,861.00
• Contracted with Applied Research Associates to evaluate and report on the structural capacity and durability of the concrete banded brick paver crosswalks to gain IDOT acceptance of this feature.	
SURVEY WORK and EXHIBIT PREPARATION	\$4,864.00
• Collected survey data for existing conditions and staked proposed work for Village negotiations with various property owners regarding easements and property acquisitions. Prepared several exhibits to document conditions and accompany written property agreements.	
ENVIRONMENTAL SUPPORT SERVICES	\$6,248.00
• Provided environmental engineering & reporting, site & laboratory soils testing and coordination with the Illinois Environment Protection Agency to remove special waste off site and also to verify which impacted soils were allowed to remain on site in accordance with State regulations.	
<u>Total of Added Scope of Work Costs:</u>	<u>\$150,504.00</u>

As tabulated above, we will expend an additional \$150,504.00. However, due to internal staff modifications and strict cost control of our staff, we have been able to economize and save approximately \$15,500.00 of fee from our current engineering budget.

This results in the need for a fee supplement of \$135,000.00 to complete the project. This supplemental fee should be ample to complete all construction engineering and project closeout provided that the contractor completes all work by May 18, 2012 as their project schedule indicates. The contractor is currently on schedule to meet this completion date. If you need any additional information or documentation, please let me know.

Resident Engineerinig Fee Estimate

143rd Street & LaGrange Road

Resident Engineering

Prepared: 2/15/2012

Invoices thru: 1/31/2012

Role	4 week period ending										Total Hours	Hourly Rate	Direct Labor	TOTAL w/ 2.8 DLM	
	9/24/2011	10/22/2011	11/19/2011	12/17/2011	1/14/2012	2/11/2012	3/10/2012	4/7/2012	5/5/2012	6/2/2012					6/30/2012
Division Director						2	4	4	4	4		14	\$ 70.00	\$ 980.00	\$ 2,744.00
Sr. Project Mang.						1	2	2	2	2		7	\$ 50.70	\$ 354.90	\$ 993.72
Resident Engr.						64	160	160	160	120		664	\$ 40.00	\$ 26,560.00	\$ 74,368.00
Project Engr.												0	\$ 34.50	\$ -	\$ -
Technician I/II						64	160	160	160	80		624	\$ 30.00	\$ 18,720.00	\$ 52,416.00
Intern Tech.												0	\$ 16.00	\$ -	\$ -
Technician I/II												0	\$ 22.50	\$ -	\$ -
Design PM						8	8	8	8	8		32	\$ 70.00	\$ 2,240.00	\$ 6,272.00
Design Engineer						16	16	16	16	16		64	\$ 35.00	\$ 2,240.00	\$ 6,272.00
															\$ 143,065.72

ESTIMATED REIMBURSABLE & SUB EXPENSES										total	rate
vehicle days						19	44	44	44	25	\$ 45.00
phones months						2	2	2	2	1	\$ 70.00
QA material testing										1	\$ 3,000.00
Norris										1	\$ 4,200.00

Total Fee Required: \$ 158,815.72

Fee Remaining 01/31/12: \$ 23,660.87

Balance: \$ (135,154.85)

SAY ==> \$135,000.00



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
143rd St. & LaGrange Rd. Intersection Improvement - Resident Engineering

Dear Mr. Wilmes,

At your request, we are including here our estimated engineering costs to complete the 143rd 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:

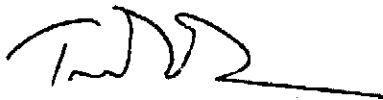
- Construction management of public utility relocations to eliminate conflicts with roadway improvements. The scope of work for utility relocations is extensive and includes ComEd, AT&T, Nicor, Comcast and installation of a conduit system to carry a future use fiber optic system. The value of this utility 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.

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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 – 143rd 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/SOIL/ENVIRONMENTAL/UTILITIES

Role	HOURS per Period Ending																								Total Hours	Hourly Rate	Direct Labor	TOTAL W/2.0 DLM
	12/3/2010	12/31/2010	1/28/2011	2/25/2011	3/26/2011	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	4	8	8	8	8	8	8	8	8	4	4	4	4	4	8	8	4	128	\$ 74.04	\$ 9,329.04	\$ 28,121.31		
Sr. Project Mng.	38	36	40	40	40	40	40	40	40	40	40	40	40	40	40	20	20	20	20	20	20	20	732	\$ 50.70	\$ 37,112.40	\$ 103,914.72		
Resident Engr.	108	112	120	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	3560	\$ 36.00	\$ 128,280.00	\$ 378,784.00		
Project Engr.						180	160	160	160	160	160	160	160	160	160				160	160	160	80	2520	\$ 30.00	\$ 75,600.00	\$ 211,680.00		
Technician III							160	160	160	160	160	160	160	160	160								1600	\$ 27.00	\$ 43,200.00	\$ 120,960.00		
Intern Tech.							160	160	160	160	160	160	160	160	160								1760	\$ 16.50	\$ 29,370.00	\$ 82,236.00		
Surv. (1 man robot)					80	40	16	8	8	8	8	8	8	8	8	16	80			16	40		336	\$ 62.92	\$ 17,811.12	\$ 49,787.14		
																									\$ 973,483.17			

ESTIMATED REIMBURSABLE EXPENSES																								total	rate
vehicle days	10	10	14	20	46	79	76	76	76	76	76	76	76	76	76	18	18	18	34	36		26	1015	\$ 46.00	\$ 46,676.00
pieces months	1	1	1	1	2	4	4	4	4	4	4	4	4	4	4	1.5	1.5	1.5	2	2		2	56.5	\$ 70.00	\$ 3,965.00
QA material testing																							1	\$53,000.00	\$ 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 1/1/2011.
- 3) The schedule for the main roadway contract will have the following target dates:

Advertisement: December 2010
 Award: January 2011
 Bld Opening: 2/21/2011
 NTP: 3/15/2011
 Substantial Completion: 1/1/2012
 Final Completion: 6/01/2012

Original Purchase Order of \$835,700 less engineering fee to date \$232,400 = purchase order available: \$ 603,300.00
 Fee Supplement Requested: \$ 637,873.17

Grand Total: \$ 1,135,113.17

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

Environmental Services (tools assistance + bank removal) = \$ 24,000.00