

ILLINOIS DEPARTMENT OF TRANSPORTATION

Request for Approval
of Change in Consultant Contract

Date: 7/15/2021

Local Agency: LAKE COUNTY

Request: No. 2

Name: Quentin Rd Reconstruction

To: Lake County Division of Transportation

Section: 08-00090-12-CH

Consultant: V3 Companies of Illinois, Ltd

I recommend that an addition be made to the above consultant contract.

The estimated work is listed below

Original contract amount for services described:	\$2,334,894.88
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Sum of all previous contract change orders:	\$233,256.00
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Item #	Description	Additions	Deductions
1	Supplemental #2 request due to utility delays	\$296,595.00	
2			
3			
TOTALS		\$296,595.00	\$0.00
NET CHANGE		\$296,595.00	\$0.00

Net ADDITION change to date \$529,851.00 which is 22.69 % of the original contract amount for services described

State fully the nature and reason for change:

Revised contract amount for services described:	\$2,864,745.88
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Please see attached. Balance to what is actually needed to finish Phase III Construction Inspection for 2021.

When the net increase or decrease in the cost of the contract is \$10,000 or more, or the time of completion is increased or decreased by 30 days or more, one of the following statements shall be checked.

☒ The undersigned determined that the circumstances which necessitated this change were not reasonably foreseeable at the time the contract was signed.

☐ The undersigned has determined that the change is germane to the original contract as signed.

☐ The undersigned determined that this change is in the best interest of the local agency and is authorized by law.

Project Manager/Engineer _____ Date _____

Department Head _____ Date _____

Chief Accounting Specialist _____ Date _____

Approved _____ Date _____

County Engineer



March 26, 2021

Mr. Shane Schneider
Director of Transportation – County Engineer
Lake County Division of Transportation
600 West Winchester Road
Libertyville, Illinois 60048

EXHIBIT F

RE: **Quentin Road – White Pine Road to Illinois Route 22**
IDOT Contract 61E22
Request for Engineering Supplement

Dear Mr. Schneider,

V3 Companies respectfully requests a supplement to our construction engineering agreement with Lake County DOT on the Quentin Road project. We request the upper limit of compensation be increased by \$529,851.00 from \$2,334,894.88 to \$2,864,745.88.

The Quentin Road project has been delayed by several factors during construction for which three time extensions have been granted to the contractor. The contractor has submitted a fourth request for extension of time which is currently being reviewed by IDOT. The factors that contributed to the delays include extensive utility conflicts and winter slow down periods. While significant contract work and utility relocation work was accomplished during 2018 and 2019, major items of work were pushed into the 2020 construction season.

The as-bid and as-built milestones are summarized below:

<u>Milestone</u>	<u>Contractor As-Bid</u>	<u>Contractor As-Built</u>
Construction Start	June 13, 2018 (Exec. Date)	August 2, 2018
Pre-stage completion	August 24, 2018	December 19, 2018
Stage 1 completion	April 23, 2019	November 5, 2019
Stage 2 completion	September 16, 2019	July 29, 2020
Stage 3 completion	October 31, 2019 +20 WD	November 13, 2020 +20 WD*

*Current approved substantial completion date is August 8, 2020. The requested revised contract completion date submitted is November 13 2020 plus 20 working days.

Exhibit F.1 (attached) shows the as-bid and as-built schedules.

The three time extensions that have been approved to date resulted in more than 9 months being added to the contract completion date. The contractor has submitted a fourth 3 month extension for

added concrete culvert lining work, continuing utility delays and additional traffic staging work required to complete noise wall construction. In total, the contract completion date will be extended nearly 12.5 months. This represents a 65% increase in the contract duration.

This request for a supplement includes hours for the extra work added to the contract (listed below) and for landscaping work that cannot be completed until 2021.

- Dewatering of Buffalo Creek and application of a structural lining to an existing 78" pipe culvert.
- Additional maintenance of traffic substage and inspection time to complete construction of Noise Abatement Wall C.
- Modifications to Noise Abatement Wall D to address sight distance concerns.
- Time to review and negotiate anticipated compensable contractor claims of increased labor and material costs due to project delays.

Our request for a \$529,851.00 supplement represents a 22.7% increase in the engineering fee. We have worked diligently during the construction phase and will continue to do so during the closeout phase to manage the engineering fee as efficiently as possible. Our request for a 22.7% increase in fee due to a 65% increase in construction duration is a testament to that effort.

Exhibit F.2 (attached) is the original exhibit for estimated hours for the construction engineering scope on this project. This exhibit established our original fee of \$2,334,894.88. Exhibit F.3 (attached) breaks down our estimated hours and costs to complete the project.

Thank you for your consideration of this request. Please contact me at 630.688.2723 or tvalaitis@v3co.com if you have any questions.

Sincerely,
V3 Companies



Tom R. Valaitis, P.E.
Executive Vice President
V3 Companies, Ltd.

Copy: Glenn Petko, Lake County DOT
Scott Aho, Lake County DOT
Chris Hoffman, V3 Companies, Ltd.

As-Bid and As-Built Schedules
 Quentin Road White Pine Road to IL 22

EXHIBIT F.1

As- Bid Construction Schedule

	2018												2019												2020							
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Letting 4/27/2018																																
Contract Execution 6/13/2018																																
Pre-Stage - End 8/24/2018																																
Stage 1 - End 4/23/2019																																
Stage 2 - End 9/16/2019																																
Stage 3 - End 10/31/2019																																
+ 20 Working Days																																

Total Number of Days 6/13/2018 to 10/31/2019 505

As-Built/Ongoing Construction Schedule

	2018												2019												2020												2021							
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Letting 4/27/2018																																												
Contract Execution 6/13/2018																																												
Pre-Stage - End 12/19/2018																																												
Stage 1 - End 11/5/2019																																												
Stage 2 - End 7/29/2020																																												
Stage 3 - End 11/13/2020 (Est)																																												
+ 20 Working Days																																												

Total Number of Days 8/2/2018 to 11/13/2020 834

As- Bid Construction Schedule	505 Days
As-Built/Ongoing Construction Schedule	834 Days
Difference	329 Days
Percent Increase	65.1%

Quentin Road White Pine Road to IL 22

Bid Opening on 3/9/18
Construction Start 5/7/18
Substantial Construction Completion 11/27/19
Final Construction Completion 6/26/20

EXHIBIT F.2

Schedule of Manhours

[illegible][illegible]

Schedule of Manhours

[illegible][illegible]

EXHIBIT F.3**EXHIBIT F.3**

V3 Construction Engineering

4 Week Period Ending

[illegible]

Direct Costs

[illegible]

Exhibit 3 - Supplement Schedule of Estimated Manhours and Costs
Quentin Road White Pine Road to IL 22

Classification	Role		IDOT Payroll Rate	Escalated Rate	Month Ending																Total Hours	Total Costs (Rounded)	
					7/11/20	8/8/20	9/5/20	10/3/20	10/31/20	11/28/20	12/26/20	1/23/21	2/20/21	3/20/21	4/17/21	5/15/21	6/12/21	7/10/21	8/7/21				
V3 Construction Engineering																							
Sr Project Manager	Mgmt/Doc/Insp	Hoffman	\$68.51	\$69.08					160	160	120	120	120	160	120	120	160	120	40		1400	\$96,713.00	
Division Director	Project Mgmt	Valaitis	\$70.00	\$70.58					2	1	1				1		1				6	\$424.00	
Senior Const Tech (SCT)	Inspection	Rabiola	\$43.74	\$44.10					140	60	50										250	\$11,026.00	
Project Engineer I	Inspection	Poulter	\$43.18	\$43.54					160	160	120	120	120	160	120	120	160	120	40		1400	\$60,956.00	
Construction Admin III	Documentation	Tamme	\$50.37	\$50.79																	0	\$0.00	
Project Engineer I	Web Site	Leden	\$43.18	\$43.54					2	2	2		1				1		1		10	\$436.00	
Survey Crew	Survey		\$30.55	\$30.80						50											50	\$1,540.00	
Project Surveyor	Survey CADD		\$32.61	\$32.88						10											10	\$329.00	
			IDOT Escalation Factor	0.83%																	V3 Direct Labor to Complete:		\$171,423.00
																					V3 IDOT Overhead Rate:		159.00%
																					V3 Overhead to Complete:		\$272,562.00
																					V3 Direct Labor and Overhead Total:		\$443,985.00
				Rate																			
Vehicles (Day)			\$65.00					65	50	30	25	25	35	25	25	35	25	10			350	\$22,750.00	
Premium Overtime	SCT IDOT Payroll Rate (\$43.74) * 0.5		\$21.87					15	10												25	\$546.75	
																					V3 Direct Cost to Complete:		\$23,297.00

IDOT Fixed Fee	
Fixed Fee = (0.33 + Complexity Rate) * Direct Labor + %Sub DL	
Complexity Rate	0.035
Direct Labor	\$171,423.00
% Subcontractor Direct Labor	\$0.00
Fixed Fee	\$62,569.00
V3 Total to Complete (E):	\$529,851.00

	(A)	(B)	(C)	(D) = (A) + (B) + (C)	(E)	(F) = (E) - (B)	(G) = (A) + (C) + (E)
	Original Contract Value	Lake County Change Order #01	IDOT Supplement #01	Change Order/Supplement to Date	Total to Complete/IDOT Supplement #02	Lake County Change Order #02	Total Contract Value
V3 Companies	\$2,205,065.04	\$233,256.00	\$5,282.09	\$2,443,603.13	\$529,851.00	\$296,595.00	\$2,740,198.13
State Testing	\$129,829.84	\$0.00	(\$5,282.09)	\$124,547.75	\$0.00	\$0.00	\$124,547.75
Total	\$2,334,894.88	\$233,256.00	\$0.00	\$2,568,150.88	\$529,851.00	\$296,595.00	\$2,864,745.88