ILLINOIS DEPARTMENT OF TRANSPORTATION

Request for Approval of Change in Consultant Contract

Date:	7/15/2021		Local Agency:	LAKE COL	JNTY	
Request:	No. 2		Name:	Quentin Ro	d Reconstruction	
To:	Lake County Division of Transportation		Section:	(08-00090-12-CH	
I recomme	nd that an addition be made to the above cons	sultant contract.	Consultant:		mpanies of Illinois, Ltd	
The estima	ated work is listed below				ntract amount s described:	\$2,334,894.88
				Sum of all change ord	previous contract ders:	\$233,256.00
Item #	Description				Additions	Deductions
1	Supplemental #2 request due to utility delays	i			\$296,595.00	
2						
3						
			TOTALS		\$296,595.00	\$0.00
			NET CHANGE		\$296,595.00	\$0.00
Net ADDIT	TON change to date \$529,851	.00 which is	22.69	% of the or	iginal contract amount	for services described
State fully	the nature and reason for change:				ontract amount	#0.004.74F.00
	Please see attached. Balance to what is actu	ally needed to f	inish Phase III (s described: Inspection for 2021.	\$2,864,745.88
the time of	net increase or decrease in the cost of the con completion is increased or decreased by 30 d tatements shall be checked.		·			
X	The undersigned determined that the circums were not reasonably foreseeable at the time			change		
	The undersigned has determined that the chasigned.	ange is german	e to the original	contract as		
	The undersigned determined that this change and is authorized by law.	e is in the best in	nterest of the lo	cal agency		
Project Ma	nager/Engineer	Date	e	_		
Departmer	nt Head	Dat	e	_		
Chief Acco	ounting Specialist	Date)	_		
Approved_	County Engineer	Dat	e	_		



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:

Milestone	Contractor As-Bid	Contractor As-Built
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

Page 2 of 2 Mr. Shane Schneider March 26, 2021

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 contact (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 Construction Schedule

						20	18						1					20	019									20	20			
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mac	Apr	May	June	July	Aug
Letting 4/27/2018													1										-									
Contract Excecution 6/13/2018	5																															
Pre-Stage - End 8/24/2018																			-				- 0				-	1			1	
Stage 1 - End 4/23/2019						1007		E AE																						1		
Stage 2 - End 9/16/2019																35 THE	1	25(3)		42.0		5										
Stage 3 - End 10/31/2019					-																100		1			-				400		
+ 20 Working Days																							TRUE BY									

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

As-Built/Ongoing Consruction Schedule

				-77			2018								7.7			21	019											20	20								100	20	21			61
	Jan	Feb	Mar	Apr	May	Jun	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	Ju	ly Au
Letting 4/27/2018				1000									100					1			-	100	100		(C)		0.00		1	-	-				1				1	7.5	100			
Contract Excecution 6/13/2018						SPINE																																				1		
Pre-Stage - End 12/19/2018						1		TELEVISION									5		1				01	- 13	J	. 5							-	-			1							
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)							1			1	Marie .									100					311	/ /	0.00			0 -									0			100		
Stage 2 - End 7/29/2020															-		T									RIDYNIII																		
Stage 3 - End 11/13/2020 (Est)												2000	(11)									100	- 0																1		Lane.		1	
+ 20 Working Days							4			100		0		7.		_							2 9		5 N		0				7		200	100	100	DE LAND							1	-

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

As-Bid Construction Schedule 505 Days
As-Bullt/Ongoing Consruction Schedule 834 Days
Difference 329 Days

Percent Increase 65.1%

EXHIBIT F.2

Original Estimated Hours

Quentin Road White Pine Road to IL 22

Assumptions

Bid Opening on 3/9/18

Construction Start 5/7/18

Substantial Construction Completion 11/27/19 Final Construction Completion 6/26/20

V3 Construction Engineering

Schedule of Manhours																	4 W	eek Pe	riod En	ding																
Classification	Role	2/5/18	3/5/18	4/2/18	4/30/18	5/28/18	6/25/18	7/23/18	8/20/18	9/17/18	10/15/18	11/12/18	12/10/18	1/7/19	2/4/19	3/4/19	4/1/19	4/29/19	6/27/19	8/24/19	7/22/19	8/19/19	9/16/19	10/14/19	11/11/19	12/9/19	1/6/20	2/3/20	3/2/20	3/30/20	4/27/20	5/25/20	8/22/20	7/20/20	8/17/20	Totals
Division Director	Project Mgmt	5	5	5	8	8	8	8	8	8	5	5	5	5	5	5.	5	8	8	8	6	8	8	5	5	5	5			5		5				17
Sr Project Manager	Mgmt/Doc/Insp	40	80	120	160	180	180	180	180	180	180	180	140	120	120	140	160	160	180	180	180	180	180	180	160	120	120	120	120	80	80	120	120	80	40	474
Senior Const Tech (SCT)	Inspection	1000			40	160	180	180	180	180	180	160	120	100	100	120	160	160	180	180	180	180	180	180	160	120	-	-				1	77111			338
Engineer III	Inspection	2-0-2	40	40	80	160	180	180	180	180	180	160	120	100	100	120	160	160	180	180	180	180	180	180	160	120	80	80	80	80	80	120	120	40	40	422
Construction Admin III	Documentation				20	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	20	20	20	20	20	20	20	20	106
Project Engineer I	Web Site		30	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	19
Survey Crew	Survey			120																					120											24
Project Surveyor	Survey CADD			60																-					60			7								12

Direct Costs

								_																									
Vehicles (Day)	5 15 30	40	75	75	75	75	75	75	75	55	55	55	60	65	75	75	75	75	75	75	75	80	55	30	30	30	20	20	25	25	20	10	1775
	1/2 SCT hrly rate times hrs over 40	1	75 20	20	20	20	20	20						20	20	20	20	20	20	20	20												280

S.T.A.T.E. Testing

Schedule of Manhours

,																								 		 						
Principal Engr	STATE OF STREET	Date		611		100	- / III	W 1	1000			Section 1		100	Section 1													 				0
Associate Engr																																0
Matis Tester HMA	(companies by the many	Sasati	TO THE	Y Tue	900		12571.0	The state of	100	V	W	3	01100	the same		en-is				in Grand				0.70	NATE:	50.00	0.50	11,200		Sunta	2000	0
Matts Tester PCC				Ž	January			11-17-1-			Same S				1000							2000						 			2	0
Matts Tester Soils/MSE Wall					75	60	60	40	40	60	40	40			40	40	40	50	80	40	40	40	40						1			825

Direct Costs

Phones (Month)	The state of the s				V							1	8	200	2 - 01						12.3		100	0.00	2/11/19	1	100	 			and the latest of
Phones (Month) Vehicles (Day)					10	5	10	5	10	10	5	5		5	5	5	10	10	5	5	5	5									11
OT Premium (Hr)	A Three Property		2000	in the	2		ent i	2		2	4		2000		Č., mari			2			2	100	 	100	52000	Santa S		5. (1)	2, 11	5-1-1	
HMA Lab Tests (Each)																												 			
PCC Lab Tests (Each)											_															-					
Agg Lab Tests (Each)	100000						4			4			Jan 18		1	4	- 11	2		2		2							200	200	27
OT Premium (Hr) HMA Lab Tests (Each) PCC Lab Tests (Each) Agg Lab Tests (Each) Soils Lab Tests (Each)					4	4	4	4	4	4	4	4		5		4	4	4	4	4	4	4								7	6

EXHIBIT F.3

Supplement Schedule of Manhours and Costs Quentin Road White Pine Road to IL 22

V3 Construction Engineering

Estimated Schedule of Ma	nhours					4 W	eek Pei	riod En	ding					
Classification	Role	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	Totals
Division Director	Project Mgmt	2	1	1				1		1				6
Sr Project Manager	Mgmt/Doc/Insp	160	160	120	120	120	160	120	120	160	120	40		1400
Engineer III	Inspection	160	160	120	120	120	160	120	120	160	120	40		1400
Senior Const Tech (SCT)	Inspection	140	60	50										250
Project Engineer I	Web Site	2	2	2		1		1		1		1		10
Project Surveyor	Survey CADD	10		<u></u>							N. C. Company			10
Survey Crew	Survey	50										-		50

Direct Costs

Vehicles (Day)		65	50	30	25	25	35	25	25	35	25	10	350
Premium Overtime	1/2 SCT hrly rate	25											 25

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

			IDOT Pavroll	Escalated	1						Me	onth Endir	g								
Classification	Role		Rate	Rate	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	Total Hours	Total Costs (Rounded)
V3 Construction Engineer	ing																				
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	
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		1		10	\$435.00
Survey Crew	Survey		\$30.55	\$30.80					50											50	
Project Surveyor	Survey CADD		\$32.61	\$32.88					10											10	\$329.00
																				V3 Direct Labor to Complete:	\$171,423.00
		IDO	Γ Escalation Factor	0.83%																V3 IDOT Overhead Rate:	159.00%
																				V3 Overhead to Complete:	\$272,562.00
																				V3 Direct Labor and Overhead Total:	\$443,985.00
				Rate	1																3
Vehicles (Day)				\$65.00				65	50	30	25	25	35	25	25	35	25	10		350	\$22,750.00
Premium Overtime	SCT IDOT Payro	oll Rate (\$43.74) *	0.5	\$21.87				15	10											25	\$546.75
									-			•	-							V3 Direct Cost to Complete:	\$23,297.00

| DOT Fixed Fee | (0.33 + Complexity Rate) * Direct Labor + *Sub DL Complexity Rate | Complexity Rate

	(A)	(B)	(C)	(D) = (A) + (B) + (C)	(E)	(F) = (E) - (B)	(G) = (A) + (C) + (E)
				Change	Total to		
	Original Contract	Lake County	IDOT Supplement	Order/Supplement	Complete/IDOT	Lake County	Total Contract
	Value	Change Order #01		to Date	Supplement #02	Change Order #02	
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