

April 14, 2020

Mr. Thomas P. Somodji Project Manager Lake County Division of Transportation 600 West Winchester Road Libertyville, IL 60048

Project: Illinois Route 120

Knight Avenue to Illinois Route 131

Section: 12-00999-31-WR

County: Lake Permit: 049-57261

Subject: Contract Supplement Request

Dear Mr. Somodji:

We are forwarding Contract Supplement #3 for this project in the amount of \$21,883. This supplement includes additional out of scope work that has been required throughout the course of project development. These tasks are:

- Plan Revisions As part of the permit review by IDOT for this project, it was requested that Maintenance of Traffic plans be provided before permit approval can be granted. Also, IDOT is undertaking a project at the IL 120/IL 131 intersection and effort is required to review, compare and remove this work from the LCDOT contract. (\$18,946)
- Utility Coordination As part of the IDOT permit review for the individual utility permits, additional comments were received that has resulted in the need for additional utility coordination to determine the proposed locations for the utility relocations required. (\$1,803)
- Administration and QA/QC Additional administration and QA/QC effort is required for the above scope of work. (\$1,134)

Please review the attached materials and advise us if they are acceptable for further processing. If you have questions or need additional information, please contact me at (630) 795-7468 or jcebulski@patrickco.com.

Sincerely,

PATRICK ENGINEERING INC.

Jarrod J. Celulatin

Jarrod J. Cebulski, P.E. Director of Transportation

**Enclosures** 

## PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME
PRIME/SUPPLEMENT
Prepared By

Patrick Engineering Inc.
IL 120 Phase II Supp. #3
Patrick Engineering Inc.

DATE 12/11/19 PTB-ITEM# 0

CONTRACT TERM	2
START DATE	12/1/2019
RAISE DATE	1/1/2020

OVERHEAD RATE 158.06%
COMPLEXITY FACTOR 0
% OF RAISE 3%

**END DATE** 1/31/2020

## **ESCALATION PER YEAR**

year	First date	Last date	Months % of Contract	t
0	12/1/2019	1/1/2020	1 50.00%	
1	1/2/2020	2/1/2020	1 51.50%	

**MONTHS** 

The total escalation = 1.50%

## **PAYROLL RATES**

**DATE** 

FIRM NAME
PRIME/SUPPLEMENT
PTB-ITEM #

Patrick Engineering Inc.
IL 120 Phase II Supp. #3
0

12/11/19

## **ESCALATION FACTOR**

1.50%

Note: Rates should be capped on the AVG 1 tab as necessary

1		1
CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Principal	\$70.00	\$71.05
Project Manager	\$70.00	\$71.05
Project Engineer 3/4	\$59.64	\$60.53
Project Engineer 1/2	\$44.06	\$44.72
Staff Engineer 3	\$37.62	\$38.18
Staff Engineer 2	\$36.95	\$37.50
Admin Assistant	\$24.15	\$24.51

# COST PLUS FIXED FEE COST ESTIMATE OF CONSULTANT SERVICES

FIRM Patrick Engineering Inc.

Prepared By: Consultant 12/11/19

DATE 12/11/19

PTB-ITEM #	0	OVERHEAD RATE	158.06%
PRIME/SUPPLEMENT	IL 120 Phase II Supp. #3	COMPLEXITY FACTOR	0

DBE				OVERHEAD			SERVICES			% OF
DROP	ITEM	MANHOURS	PAYROLL	&	DIRECT	FIXED	BY	DBE	TOTAL	GRAND
BOX				FRINGE BENF	COSTS	FEE	OTHERS	TOTAL		TOTAL
		(A)	(B)	(C)	(D)	(E)	(G)	(H)	(B-G)	
	Contract Plans	164	6,379	10,082	125	2,360		-	18,946	86.58%
	Meetings/Coordination	16	611	966		226		-	1,803	8.24%
	Permits		-	-		-		-	-	0.00%
	Utilities		-	-		-		-	-	0.00%
	Survey		-	-		-		-	-	0.00%
	QA/QC	4	211	333		78		-	622	2.84%
	Post-Contract Coord.		-	-		-		-	-	0.00%
	Admin & Management	4	170	269	10	63		-	512	2.34%
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	Subconsultant DL					0			- [	
	TOTALS	188	7,371	11,650	135	2,727	-	-	21,883	100.00%

19,021

**DBE 0.00%** 

#### **AVERAGE HOURLY PROJECT RATES**

**FIRM** Patrick Engineering Inc. PTB-ITEM# 0 PRIME/SUPPLEMENT IL 120 Phase II Supp. #3

**DATE** 12/11/19

SHEET

1 OF 5

PAYROLL AVG TOTAL PROJ. RATES Contract Plans Meetings/Coordination Permits Utilities Survey HOURLY Hours % Wgtd Hours % Wgtd Hours Wgtd Hours % Wgtd Hours % Wgtd Hours % Wgtd **CLASSIFICATION RATES** Part. Avg Part. Avg Part. Avg Part. Avg Part. Avg Part. Avg Principal 70.00 0.0 Project Manager 2.0 70.00 1.06% 0.74 1.22% 0.85 2 Project Engineer 3/4 60.53 4.0 2.13% 1.29 Project Engineer 1/2 44.72 18.0 9.57% 4.28 16 9.76% 4.36 Staff Engineer 3 38.18 86.0 45.74% 17.47 70 42.68% 16.30 16 100.00% 38.18 Staff Engineer 2 37.50 76.0 40.43% 76 46.34% 17.38 15.16 Admin Assistant 24.51 2.0 1.06% 0.26 0.0 **TOTALS** 164.0 0%

188.0

100%

\$39.20

100.00%

\$38.89

16.0

100%

\$38.18

0.0

\$0.00

0.0

0%

\$0.00

0.0

0%

\$0.00

## **AVERAGE HOURLY PROJECT RATES**

FIRM Patrick Engineering Inc.

PTB-ITEM#

0

PRIME/SUPPLEMENT IL 120 Phase II Supp. #3

DATE 12/11/19

SHEET <u>2</u> OF <u>5</u>

PAYROLL		QA/QC				ntract Coord.		Admin &	Managemen	nt									
		Hours			Hours	%	Wgtd	Hours			Hours		Wgtd	Hours			Hours		Wgtd
CLASSIFICATION	RATES	<u> </u>	Part.	Avg		Part.	Avg	<u> </u>	Part.	Avg	<u> </u>	Part.	Avg	<u> </u>	Part.	Avg		Part.	Avg
Principal	70.00		'	'		'	<u> </u>			<u> </u>			<u> </u>			'			
Project Manager	70.00		<u>4'</u> '	'		'	<u> </u>			<u> </u>									
Project Engineer 3/4	60.53	2	50.00%	30.27		'	'	2	50.00%	30.27									
Project Engineer 1/2	44.72	2	50.00%	22.36		'	'			'									
Staff Engineer 3	38.18		<u> </u>	<u> </u>		'	<u> </u>			<u> </u>			'			<u> </u>		<u></u>	
Staff Engineer 2	37.50		4'	<u></u> '		'	<u> </u>												
Admin Assistant	24.51			$\Box$ '				2	50.00%	12.26									
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TOTALS		4.0	100%	\$52.63	0.0	0%	\$0.00	4.0	100%	\$42.52	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00

Illinois Route 120 - Knight Avenue to Illinois Route 131 (Green Bay Road)

Section No.: 12-00999-31-WR

**Estimated Manhours** 

ITEM Contract Plan Preparation					
Contract Plan Preparation					
	<u>Sheets</u>		Manhours		
Summary of Quantities	1		2		
			Subtotal MH's		2
Schedule of Quantities	1		2		
			Subtotal MH's		2
Maintenance of Traffic Plans	Sheets		MHs		
Prepare TMP	-		6		
MOT Typical Sections	2		2		
MOT Plan Sheets (3 sheets (double view) x 3 stages)	9		12		
			Subtotal MH's		118
Quantity Calculations			MHs		
Update Quantity Calculations			6		
			Subtotal MH's		6
Special Provisions			MHs		
			6		
			Subtotal MH's		6
Plan Submittal			MHs		
			6		
			Subtotal MH's		30
			TOTAL MH'S =		164
	ESTIMA	ATED I			125
Materials and Reproduction				•	
			\$ 40		
			-		
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<b>,</b>			16		
Total Meeting	as / Field Checks	0			
			DINATION MH'S =		16
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 Permits			MHs		
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<u>mirol</u>			191113		
S S S S S S S S S S S S S S S S S S S	MOT Typical Sections  MOT Plan Sheets (3 sheets (double view) x 3 stages)  Quantity Calculations  Update Quantity Calculations  Update Special Provisions  Update Special Provisions  Plan Submittal  Revise Plans to Remove Work Proposed by IDOT  Prepare New Plan Submittal  Materials and Reproduction  Final Submittal  200 sheets of specs X 2 sets X \$0.10 per sheet = 170 plan sheets X 2 copies 1/4 size X \$0.25 per sheet = 170 plan sheets X 2 copies 1/4 size X \$0.25 per sheet = Meetings/Field Checks/Coordination  Additional Utility Coordination and Plan Review  Total Meetings	Prepare TMP  MOT Typical Sections  2  MOT Plan Sheets (3 sheets (double view) x 3 stages)  9  Quantity Calculations  Update Quantity Calculations  Update Special Provisions  Update Special Provisions  Update Special Provisions  Plan Submittal  Revise Plans to Remove Work Proposed by IDOT  Prepare New Plan Submittal  Prepare New Plan Submittal  200 sheets of specs X 2 sets X \$0.10 per sheet = 170 plan sheets X 2 copies 1/4 size X \$0.25 per sheet = 170 plan sheets X 2 copies	Prepare TMP  MOT Typical Sections  2  MOT Plan Sheets (3 sheets (double view) x 3 stages)  9  Quantity Calculations  Update Quantity Calculations  Update Special Provisions  Update Special Provisions  Update Special Provisions  Plan Submittal  Revise Plans to Remove Work Proposed by IDOT  Prepare New Plan Submittal  Prepare New Plan Submittal  ### S	Maintenance of Traffic Plans	Maintenance of Traffic Plans

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Rundate: 12/11/2019

## PATRICK ENGINEERING INC.

Illinois Route 120 - Knight Avenue to Illinois Route 131 (Green Bay Road)

Section No.: 12-00999-31-WR

**Estimated Manhours** 

6 0	se II Contract Plans	Mile	
	A/QC		
P	erform QA/QC Activities	4	
		TOTAL QA/QC MH'S =	4
		ESTIMATED DIRECT COSTS =	= \$ -
7 P	ost-Contract Coordination	MHs	
8 <u>A</u>	dministration and Management	### TOTAL ADMIN/MANAGEMENT MH'S =  ESTIMATED DIRECT COSTS = \$  \$ 10    Workhours   Direction	
		TOTAL ADMIN/MANAGEMENT MH'S	= 4
		ESTIMATED DIRECT COSTS =	= \$ 10
	Materials and Reproduction (100 pages x \$0.10/page)	\$ 10	
SUMN	MARY OF WORKHOURS AND DIRECT COSTS	<u>Workhours</u>	Direct Costs
1	Contract Plan Preparation	164	\$125
2	Meetings/Field Checks/Coordination	16	\$0
3	Permits		\$0
4	Utilities		\$0
5	Survey		\$0
6	QA/QC	4	\$0
7	Post-Contract Coordination		
8	Administration and Management		ΨΙΟ
	TOTALS:	188	\$135

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Rundate: 12/11/2019