MODIFICATION NO. 10 TO ON-CALL AGREEMENT DATED SEPTEMBER 3, 2015 (RFQ NO. 2015-300)

FOR PROFESSIONAL ENGINEERING SERVICES FOR THE AIRPORT

THIS MODIFICATION TO ON-CALL AGREEMENT made and entered into this _____ day of ______, 2018, by and between the City of Lee's Summit, Missouri (hereinafter "City"), and Crawford, Murphy and Tilly, Inc. (hereinafter "Engineer").

WITNESSETH:

- **WHEREAS**, City and Engineer entered into an On-Call Agreement dated September 3, 2015 (RFQ No. 2015-300) for professional engineering services for the Airport (hereinafter "Base Agreement"); and
- **WHEREAS**, the Base Agreement was modified with Modification No. 1 dated September 23, 2015; and
- **WHEREAS**, the Base Agreement was modified with Modification No. 2 dated December 21, 2015; and
- WHEREAS, the Base Agreement was modified with Modification No. 3 dated April 4, 2016; and
- **WHEREAS,** the Base Agreement was modified with Modification No. 4 dated October 6, 2016; and
- **WHEREAS**, the Base Agreement was modified with Modification No. 5 dated November 17, 2016; and
- **WHEREAS**, the Base Agreement was modified with Modification No. 6 dated July 19, 2017; and
- **WHEREAS**, the Base Agreement was modified with Modification No. 7 dated November 17, 2017; and
- **WHEREAS,** the Base Agreement was modified with Modification No. 8 dated January 2, 2018; and
- **WHEREAS**, the Base Agreement was modified with Modification No. 9 dated January 2, 2018; and
- **WHEREAS,** City and Engineer desire to amend the provisions of the Base Agreement, as modified, as provided herein; and
- **WHEREAS,** the amended engineering services contained in this Modification No. 10, were services originally contemplated by the City and the Engineer when entering into the Base Agreement, and which were included in the request for qualifications review that was conducted by the City when awarding the contract for the Base Agreement; and
- **WHEREAS**, Engineer has submitted a proposal for the amended engineering services and an estimate of engineering costs to perform said services; and
- **WHEREAS**, the City Manager is authorized and empowered by City to execute contracts providing for engineering services.

NOW THEREFORE, in consideration of the mutual covenants and considerations herein contained, **IT IS HEREBY AGREED** by the parties hereto to amend the following Articles contained in the Base Agreement as follows:

ARTICLE I SCOPE OF SERVICES TO BE PROVIDED BY ENGINEER

The Base Agreement is hereby modified and amended to include the following scope of services for the Northwest T-Hangar and Taxilane Development – Phase 2:

This project shall include the design of construction documents for a single new T-hangar taxilane to be located on the west side of the proposed T-hangars on the Northwest side of the Lee's Summit Municipal Airport. The project shall also include the design of a parking area north of the existing T-hangars with a PCC and Asphalt pavement option. The scope shall not include a full set of documents for a separate bid phase but be incorporated as a change order to the current construction contract. The scope of services for this work shall include:

- Design of all pavements described above including pavement design, typical sections, grades and jointing plans.
- Provide any additional material specifications required for the change order work.
- Modification of the existing T-Hangar project Construction Safety and Phasing Plan meeting the requirements of FAA AC 150/5370-2F.
- Grading, drainage, marking and erosion control.
- Coordinate the change order with the Contractor.
- Request prices for any change order items not previously bid on by the contractor and run ICA on any prices given for the work items. This will include working with the contractor to negotiate prices if the proposed prices from the contractor are found to be higher than would be expected.

Submittals include:

- 95% Pre-final Construction Documents
- 100% Final Construction Documents
- Final Design Report (letter format)

Construction Phase services shall be in accordance with the scope of work for Modification No. 9.

All other terms of the Base Agreement not amended by the Modification to On-Call Agreement shall remain in full force and effect.

ARTICLE IV PAYMENTS TO THE ENGINEER

Payment for the design will be made upon a lump sum basis in the amount of \$35,060 based upon the estimate of effort provided in Exhibit A. Payment for the construction phase services will be made based upon hourly and direct expenses as shown in Exhibit B attached to this Modification No.10 with a Not to Exceed Maximum Payment of \$31,570. This value shall be added to the Not to Exceed value provided for in Modification No. 9 for a revised total Not to

Revised 07/01/10 2

Exceed for construction phase services of \$123,663. All other terms of the Base Agreement not amended by the Modification to the On-Call Agreement shall remain in full force and effect.

This Modification No. 10 to On-Call Agreement shall has been duly executed and approved by the City an	
IN WITNESS WHEREOF, the parties have of to be executed on the day of, 20	caused this Modification to On-Call Agreement 118.
	CITY OF LEE'S SUMMIT
	Stephen A. Arbo, City Manager
APPROVED AS TO FORM:	
Office of the City Attorney	
	ENGINEER:
	BY: <u>Dan Meckes</u> TITLE: <u>President</u>
ATTEST:	

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CRAWFORD, MURPHY & TILLY, INC.

CONTRACT ATTACHMENT - EXHIBIT A - 2017 PROFESSIONAL SERVICES COST ESTIMATE

Lee's Summit Municipal Airport

CLIENT PROJECT NAME Northwest T-Hangar and Taxilane Development - Phase 2 CMT JOB NO. To Be Determined

Prep By	Tcs
DATE	03/06/18

Apprvd DATE 03/07/18

TASK NO.	TASKS \ CLASSIFICATIONS	SENIOR OF AN ACERT	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$165	SENION TECHNOLOGY	CISENIOR PLONICALIS	ACHICIANES TO STATE OF THE STAT	Striop Tech	PENNICA MICIAN	TECHNICA, MOR	TECHNICIA NII CA	A SONIN 488	CAS MAN TO COMMING	21 ps 4
	CURRENT YEAR 2017 HOURLY RATES	\$200	\$195	\$165	\$135	\$125	\$115	\$115	\$125	\$80	\$100	\$75	\$50	TOTAL
1	Topographic Survey	\$250	ψ.00	ψ.00	ψ.00	V.20	ψσ	VII.	V.20	+	ψ.σσ	ψ. σ	φοσ	101712
2	Geotechnical Investigation													
3	Preliminary Design Report/7460s													
4	Construction Phasing Plan (CSPP)		4		8			12			8			32
5	Proposed Improvements/Geometric Layout		4		8			36			8			56
6	Grading , Drainage, and Spot Elevations		4		8			40			8			60
7	Erosion Control		i i		Ŭ			8			8			16
8	Typical Sections							8			4			12
9	Building Floor Plan and Elevations							Ť			· ·			
10	Electrical building plan and details													
11	Quantity Calcs, cost estimate, construction time cals		2					16			4			22
12	Coordination/Review Meetings		6		6			10			•			22
13	Front End Documents		_					10						
14	Technical Specifications		2		8			8						18
15	Negotiate Pricing With Contractor		2		4			6						12
.0	TOTAL MAN HOURS		24		42			144			40			250
-	SUBTOTAL - BASE LABOR EFFORT		\$4,680		\$5,670			\$16,560			\$4,000			\$30,910
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		TOTAL					CT EXPENSE 8	& REIMBURSA	BLES					
	TASKS (CONTINUED)	LABOR	TRAVEL	MEALS &	PRINTING	EQUIP-	MISC	SURVEY	SUBS	SUBS	OTHER	OTHER	TOTAL	TOTAL
		EFFORT	MILEAGE	LODGING		MENT		MTL		ADMIN	EXP	EXP	EXPENSE	FEE
1	Topographic Survey													
2	Geotechnical Investigation													
3	Preliminary Design Report/7460s													
4	Construction Phasing Plan (CSPP)	\$4,040												\$4,040
5	Proposed Improvements/Geometric Layout	\$6,800												\$6,800
6	Grading, Drainage, and Spot Elevations	\$7,260												\$7,260
7	Erosion Control	\$1,720												\$1,720
8	Typical Sections	\$1,320												\$1,320
9	Building Floor Plan and Elevations													
10	Electrical building plan and details													
11	Quantity Calcs, cost estimate, construction time cals	\$2,630												\$2,630
12	Coordination/Review Meetings	\$3,130												\$3,130
13	Front End Documents													
14	Technical Specifications	\$2,390												\$2,390
15	Negotiate Pricing With Contractor	\$1,620			\$500								\$500	\$2,120
13		COO 040			\$500								\$500	\$31,410
13	TOTALS	\$30,910			7000									
13	TOTALS TIME PERIOD OF PROJECT	2017	2018	2019	2020	TOTAL	EST % C	OF OT HRS	INCLUDED	ABOVE		10%	MULTI-YE.	AR + OT
13			2018	2019		TOTAL 100%		DE OT HRS BE OVERTIN				10% 15%	MULTI-YE MLTPLR	
13	TIME PERIOD OF PROJECT	2017	2018	2019			AVERAG		IE RATE PF					
13	TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR	2017 100%	2018	2019		100%	AVERAG	SE OVERTIN	IE RATE PF			15%	MLTPLR	& AMT
15	TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	2017 100%	2018	2019		100%	AVERAG	SE OVERTIN	IE RATE PF			15%	MLTPLR 1.0150	& AMT \$460
13	TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT ESTIMATED CONTINGENCY	2017 100%				100%	AVERAG	SE OVERTIN	IE RATE PF			15%	MLTPLR 1.0150	& AMT \$460

CRAWFORD, MURPHY & TILLY, INC.

CONTRACT ATTACHMENT - EXHIBIT B - 2017 PROFESSIONAL SERVICES COST ESTIMATE

CLIENT

Lee's Summit Municipal Airport

CMT JOB NO.

PROJECT NAME Northwest T-Hangar and Taxilane Development - Phase 2 To Be Determined

Prep By DATE 03/07/18

Apprvd DATE 03/07/18

TASK NO.				CANON SON SON SON SON SON SON SON SON SON	SENION SE	Strick of the st	ROCHITECT WARES		PLANNICAN NICIAN			ACOUNTS,	CABOASAN THE SERVING	2450 B
	CURRENT YEAR 2017 HOURLY RATES	\$200	\$195	\$165	\$135	\$125	\$115	\$115	\$125	\$80	\$100	\$75	\$50	TOTAL
1	Prepare Copies of Plans/Specs for Contractor													
2	Prepare Electronic Files for Contractor							2						2
3	Set up Construction Documents, File Folder, Binders etc.													
4	Attend and Conduct pre construction Conference and Pre Pave													
5	Review shop drawings, material certifications				4			2						6
6	Part Time Inspection (One Visit Per 2 Week during Hangar Phase)							400						400
7	Full time Onsite R.E. #1 (10 hour days for 5 days/week for 2 weeks)				40			100						100
8	Onsite Assistant R.E. #2 (8 hour days, 5 days)				40									40
9	Office Support				4									4
10 11	Material Testing							A						4
12	Prepare change orders, pay requests Senior Project Engineer Site Visits							4						4
13	Respond to field issues throughout duration of project		2		2									4
14	Attend and conduct final inspection		2		1			1			 			2
15	Verify completion of punch list (conducted by RE)				1			2						3
16	Prepare and submit record drawings							4						4
17	Prepare and submit Final Testing Report / Closeout Report							4						4
17	TOTAL MAN HOURS		2		52			119						173
_	SUBTOTAL - BASE LABOR EFFORT		\$390		\$7,020			\$13,685						\$21,095
	COBTOTAL BAGE EXBORETT CAT		ΨΟΟΟ		Ψ1,020			ψ10,000						Ψ21,000
		TOTAL					CT EXPENSE							
	TASKS (CONTINUED)	LABOR EFFORT	TRAVEL MILEAGE	MEALS & LODGING	PRINTING	EQUIP- MENT	MISC	SURVEY MTL	SUBS	SUBS ADMIN	OTHER EXP	OTHER EXP	TOTAL EXPENSE	TOTAL FEE
1	Prepare Copies of Plans/Specs for Contractor													
2	Prepare Electronic Files for Contractor	\$230												\$230
3	Set up Construction Documents, File Folder, Binders etc.													
4	Attend and Conduct pre construction Conference and Pre Pave													
5	Review shop drawings, material certifications	\$770												\$770
6	Part Time Inspection (One Visit Per 2 Week during Hangar Phase)													
7	Full time Onsite R.E. #1 (10 hour days for 5 days/week for 2 weeks)	\$11,500	\$80			\$650							\$730	\$12,230
8	Onsite Assistant R.E. #2 (8 hour days, 5 days)	\$5,400												\$5,400
9	Office Support	\$540							AT 005	A =00			A= =06	\$540
10	Material Testing	# 400							\$5,000	\$500			\$5,500	\$5,500
11	Prepare change orders, pay requests	\$460												\$460
12	Senior Project Engineer Site Visits	#600												# 600
13 14	Respond to field issues throughout duration of project Attend and conduct final inspection	\$660 \$250												\$660 \$250
15	Verify completion of punch list (conducted by RE)	\$250												\$250 \$365
16	Prepare and submit record drawings	\$365 \$460												\$460
17	Prepare and submit Final Testing Report / Closeout Report	\$460												\$460 \$460
	TOTALS	\$21,095	\$80			\$650			\$5.000	\$500			\$6.230	\$27.325
+	TIME PERIOD OF PROJECT	2017	2018	2019	2020	TOTAL	FST % C	OF OT HPS	INCLUDED			10%	MULTI-YE	+ /
	PERCENTAGE OF WORK TO BE PERFORMED BY YEAR	2017	100%	2013	2020	100%			ME RATE P			15%	MLTPLR	
	WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT		1.0500			1.0500		USTMENT I		LIVII O IVI		0.0150	1.0650	\$1,375
\vdash	ESTIMATED CONTINGENCY		1.0300			1.0300	O I ADJI	COTIVILIATI	ACTOR			0.0130	1.0630	\$2,870
 	ROUNDING												1070	φ2,070
I L		MATH CROS	CO CUECK I	C OV										\$31,570
	TOTAL FEE													