

Airport Name: Joplin Regional Airport  
Project No.: 196-090A-2  
County: Jasper

**AVIATION PROJECT CONSULTANT SUPPLEMENTAL AGREEMENT NO. 1  
CONSTRUCTION SERVICES**

THIS SUPPLEMENTAL AGREEMENT NO. 1 for Construction Services is entered into by the City of Joplin, Missouri (hereinafter, "Sponsor") and Crawford, Murphy & Tilly, Inc. (hereinafter, "Consultant").

WITNESSETH:

WHEREAS, the Sponsor and the Consultant entered into an Agreement on April 3, 2019, to accomplish a project at the Joplin Regional Airport, (hereinafter, "Original Agreement"); and

WHEREAS, the Sponsor and the Consultant now desire to enter into Supplemental Agreement No. 1 to otherwise complete, extend or continue the Original Agreement as provided herein.

NOW, THEREFORE, in consideration of the mutual promises, covenants, and representations contained herein the parties agree as follows:

(1) SCOPE OF SERVICES:

(A) The Services to be provided by the Consultant under Supplemental Agreement No. 1 are additional services which are beyond the scope of services provided in the Original Agreement. These additional professional services are generally described and defined in Section 17 of the Original Agreement and Exhibit II - SA1, which is attached hereto and incorporated herein by reference.

(2) FEES AND PAYMENTS:

(A) The Consultant shall be reimbursed in accordance with Section 9 of the Original Agreement.

(B) The costs of Supplemental Agreement No. 1 shall be in addition to the cost of the Original Agreement.

(C) The lump sum fee payable included in Section 9 of the Original Agreement shall remain the same as in the original agreement.

(D) For and in consideration of the Construction Phase Administration Services rendered by Consultant, Owner shall pay Consultant direct salaries, overhead, direct expenses, and subconsultant fees as specified in Section (9) of the Original Agreement plus a fixed fee of **\$3,871.15** for a total not to exceed amount of **\$122,014.41**.

(E) Estimated costs for the services in Supplemental Agreement No. 1 are defined in Exhibit IV - SA1 and Exhibit V - SA1, which are attached hereto and incorporated herein by reference.

(3) PERIOD OF SERVICE: Exhibit VI, Performance Schedule, of the Original Agreement is hereby revised to include time for the performance of these additional services. The total time to be added to Exhibit VI for completion of these additional services shall be 120 calendar days after final acceptance. The projected completion date shown on Exhibit VI is now revised to 120 days after final acceptance, which includes time for performance of all remaining services in the Original Agreement and the services in Supplemental Agreement No. 1 and submittal of all deliverables.

(4) DISADVANTAGED BUSINESS ENTERPRISE (DBE) REQUIREMENTS:

(A) DBE Goal: The following DBE goal has been established for this Supplemental Agreement No. 1. The dollar value of services and related equipment, supplies, and materials used in furtherance thereof which is credited toward this goal will be based on the amount actually paid to DBE firms. The goal for the percentage of services to be awarded to DBE firms is 0% of the total Supplemental Agreement No. 1 dollar value.

(B) DBE Participation Obtained by Consultant: The Consultant has obtained DBE participation, and agrees to use DBE firms to complete 0% of the total services to be performed under this Supplemental Agreement No. 1 by dollar value. The DBE firms which the Consultant shall use, and the type and dollar value of the services each DBE will perform, is as follows:

DBE FIRM NAME, STREET AND COMPLETE MAILING ADDRESS	TYPE OF DBE SERVICE	TOTAL \$ VALUE OF THE DBE SUBCONTRACT	CONTRACT \$ AMOUNT TO APPLY TO TOTAL DBE GOAL	% OF SUBCONTRACT \$ VALUE APPLICABLE TO TOTAL GOAL

(5) SUBCONSULTANTS:

(A) The Consultant agrees that except for those firms and for those services listed below, there shall be no transfer of engineering services performed under this Supplemental Agreement No. 1 without the written consent of the Sponsor. Subletting, assignment, or transfer of the services or any part thereof to any other corporation, partnership, or individual is expressly prohibited. Any violation of this clause will be deemed cause for termination of this Supplemental Agreement No. 1.

Exceptions (Subconsultant Information):

FIRM NAME	COMPLETE ADDRESS	NATURE OF SERVICES
Algier Martin and Associates	P.O. Box 2627 Joplin, MO 64803-2627	Resident Engineer
Palmerton and Parrish	3500 East 13 <sup>th</sup> Street	Material Testing

(6) ORIGINAL AGREEMENT: Except as otherwise modified, amended, or supplemented by this Supplemental Agreement No. 1, the Original Agreement between the parties shall remain in full force and effect and the terms of the Original Agreement shall extend and apply to this Supplemental Agreement No. 1.

IN WITNESS WHEREOF, the parties have entered into this Supplemental Agreement No. 1 on the date last written below.

Executed by the Consultant this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

Executed by the Sponsor this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

CONSULTANT

SPONSOR – City of Joplin

By \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Title \_\_\_\_\_

ATTEST:

ATTEST:

By \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Title \_\_\_\_\_

Approved as to Form:

Approved as to Form:

By \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Title \_\_\_\_\_

**EXHIBIT II - SA1**  
**SCOPE OF SERVICES**

1. Preliminary
  - a. Prepare copies of the Construction Plans and Project Manual for use by the Contractor during construction.
  - b. Develop a **Federal-Construction Observation Program** in accordance with MoDOT requirements.
  - c. Provide a sealed, signed and dated copy of the Construction Observation Program (COP) prior to the pre-construction conference.
  - d. Attend and conduct a pre-construction conference. Minutes of the conference will be prepared and distributed to all attendees.
  
2. Provide construction administration, on-site construction observation, and material(s) testing per the COP:
  - a. Provide construction observation services, including preparation of weekly reports and other reports as required by the COP to document the prosecution and progress of the Project.
  - b. Review shop drawings and material certification submittals as provided by the Contractor.
  - c. Perform material(s) testing (field and laboratory) as required by the COP.
  - d. Respond to field issues throughout the duration of the project.
  - e. Prepare Contractor's progress estimates and Sponsor's request for reimbursement of funds.
  - f. Prepare change orders and supplemental agreements necessary for construction of the project.
  - g. Attend and conduct a final review of the Project with the Sponsor, MoDOT, and the Contractor
  
3. Project Closeout Phase
  - a. Prepare and submit to the Sponsor and MoDOT one (1) electronic set of record drawings on a compact disc (CD) in .pdf format copied to a single file.
  - b. Prepare and submit to the Sponsor and MoDOT a Final Testing Report as required by the COP.
  - c. Prepare and submit to the Sponsor an updated **Airport Layout Drawing (ALD)** showing as-built conditions. The sponsor will approve and sign as necessary and forward four (4) full size copies to MoDOT for approval.

MoDOT will distribute the copies as one (1) to the Sponsor, one (1) to MoDOT, and one (1) to the Consultant. An electronic copy of the updated sheets will be submitted to both MoDOT and the City in .pdf format, with CADD files submitted to the City.

- d. Provide MoDOT with all closeout documents as required for project final acceptance.

**EXHIBIT IV**  
**DERIVATION OF CONSULTANT PROJECT COSTS**  
**JOPLIN REGIONAL AIRPORT**  
**JOPLIN, MISSOURI**  
**RECONSTRUCTION AND REALIGNMENT OF DENNIS WEAVER DRIVE**  
**SUMMARY OF COSTS**  
April 30, 2020

<u>Basic Services</u>	<u>Fee</u>	<u>Hours</u>
Construction Phase	\$122,014.41	279
<b>Total</b>	<b>\$122,014.41</b>	<b>279</b>

EXHIBIT IV

DERIVATION OF CONSULTANT PROJECT COSTS

**JOPLIN REGIONAL AIRPORT**  
**JOPLIN, MISSOURI**  
**RECONSTRUCTION AND REALIGNMENT OF DENNIS WEAVER DRIVE**  
**SUMMARY OF COSTS**  
 April 30, 2020

<b>1</b>	<b><u>DIRECT SALARY COSTS:</u></b>			
	<u>TITLE</u>	<u>HOURS</u>	<u>RATE/HOUR</u>	<u>COST (\$)</u>
	Principal	0	\$81.02	\$0.00
	Project Engineer II	15	\$65.10	\$976.50
	Project Manager I	0	\$51.32	\$0.00
	Senior Engineer I	102	\$37.58	\$3,833.16
	Engineer I	154	\$29.53	\$4,547.62
	Senior Planner I	0	\$40.50	\$0.00
	Planner I	0	\$30.74	\$0.00
	Land Surveyor	0	\$41.23	\$0.00
	Senior Technician I	6	\$36.60	\$219.60
	Technician II	0	\$30.67	\$0.00
	Admin./Accounting Assistant	2	\$21.04	\$42.08
		<u>279</u>		
	Total Direct Salary Costs			= \$9,618.96
<b>2</b>	<b><u>LABOR AND GENERAL ADMINISTRATIVE OVERHEAD:</u></b>			
	Percentage of Direct Salary Costs @		<u>168.30</u> %	= \$16,188.71
<b>3</b>	<b><u>SUBTOTAL:</u></b>			
	Items 1 and 2			= \$25,807.67
<b>4</b>	<b><u>PROFIT:</u></b>			
	15 % of Item 3 Subtotal			= \$3,871.15 Fixed Fee
			Subtotal	= \$29,678.82
<b>5</b>	<b><u>OUT-OF-POCKET EXPENSES:</u></b>			
	a. Mileage	3588 Miles @	\$0.580 / Mile =	\$2,081.04
	b. Construction Vehicle	0 Days @	\$12.00 / Day =	\$0.00
	c. Meals	9 Days @	\$32.00 / Day =	\$288.00
	d. Motel	0 Nights @	\$105.00 / Night =	\$0.00
	e. Printing and Shipping		=	\$600.00
				(\$96 + tax per GSA.gov)
	Total Out-of-Pocket Expenses			= \$2,969.04
<b>6</b>	<b><u>SUBCONTRACT COSTS:</u></b>			
	a. Material Tests (Palmerton & Parrish - Springfield, MO) (Est.)		=	\$20,012.85
	b. Construction Observation (Allgeier, Martin and Associates) (Est.)		=	\$69,353.70
			=	\$89,366.55
<b>7</b>	<b><u>MAXIMUM TOTAL FEE:</u></b>			
	Items 1, 2, 3, 4, 5 and 6			= \$122,014.41 Not to Exceed



**Exhibit V**

**JOPLIN REGIONAL AIRPORT  
JOPLIN, MISSOURI**

**SUMMARY OF COSTS  
RECONSTRUCTION AND REALIGNMENT OF DENNIS WEAVER DRIVE**

April 30, 2020

Classification: Gross Hourly Rate:	Principal \$249.98	Project Engineer II \$200.86	Project Manager I \$158.35	Senior Engineer I \$115.95	Engineer I \$91.11	Senior Planner I \$124.96	Planner I \$94.85	Land Surveyor \$127.21	Senior Technician I \$112.93	Technician II \$94.63	Administrative/ Accounting Assistant \$64.92	Other Costs
<b>A. BASIC SERVICES</b>												
<b>1. Construction Phase:</b>												
Prepare copies of conformed plans/specs for use by Contractor				4							1	
Prepare electronic files for contractor use				4								
Develop COP in accordance with MoDOT requirements		1		2								
Set up const. documentation paperwork, file folders, project binders, etc.												
Attend and conduct preconstruction conference and distribute minutes		10		10	8							
Review shop drawings, material certifications				4	8							
Project Manager Field Visits/Site Inspections (3 days @ 12hrs/day)					36							
Travel to/from Site - PM Site Visit (3 trips)					24							
Office Support				4	18							
Prepare change orders, pay requests				4	4							
Review payrolls				4							1	
Attend and Conduct Pre-Pave Meeting				10								
PM Weekly Construction Meetings Conference Call (0.5 hour/week, 8 weeks)				4								
Respond to field issues throughout duration of project				8	14							
Attend and conduct final inspection				10	10							
Verify completion of punch list (conducted by RE)				4								
Prepare and submit record drawings				8	16				6			
Prepare and submit Final Testing Report / Closeout Report		2		18	16							
Final DBE Documentation				2								
Update & Submit ALP to show As Built Conditions		2		2								
Total hours =	279	0	15	0	102	154	0	0	0	6	0	2
Total =	\$122,014.41	\$0.00	\$3,012.94	\$0.00	\$11,827.02	\$14,031.45	\$0.00	\$0.00	\$0.00	\$677.56	\$0.00	\$129.84
<b>2. N/A</b>												
Total hours =	0	0	0	0	0	0	0	0	0	0	0	0
Total =	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>PART A SUBTOTAL =</b>	<b><u>\$122,014.41</u></b>											
<b>GRAND TOTAL =</b>	<b><u>\$122,014.41</u></b>											

(1, 2, 3, 4, 5)

(1, 2, 3, 4, 5)

**Construction Observation Services**  
**Allgeier Martin and Associates, Inc.**  
**Estimate of Costs**

April 15, 2020

**Joplin Regional Airport**

*Reconstruction and Realignment of Dennis Weaver Drive*

CLASSIFICATION	Hours	RATE	EXTENDED COST
<b>Construction Observation Services</b>			
Project Representative III	588	\$ 116.00	\$ 68,208.00
<b>Direct Pass thru Costs</b>			
Travel	2010	\$ 0.57	\$ 1,145.70
<b>Established Contract Ceiling</b>			<b>\$ 69,353.70</b>

<b>Summary of Hours - Breakdown</b>			
Description	Days	Hrs/Day	Total Hrs
Daily Inspection	52	9	468
Final Inspection & Meetings	15	8	120
		<b>Total</b>	<b>588</b>
Description	Travel Days	Miles/Day	Total Miles
Mileage	67	30	2010

**60 Calendar Days = 52 Working Days at 6 Days per Week**

**PALMERTON & PARRISH, INC.**  
**Projected Costs Construction Materials Testing**

**CLIENT :** Crawford Murphy & Tilly, Inc.  
**PROJECT :** Reconstruction & Realignment of Dennis Weaver Drive  
**LOCATION:** Joplin Regional Airport - Joplin, Missouri  
**DATE :** March 6, 2020

<b>NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT COST</b>	<b>UNITS</b>	<b>EXTENSION</b>
<b>Clerical &amp; Management / Review</b>				
1	Engineer Review & Attend Pre-Con Meeting	\$160.00 /hr.	8.00	\$1,280.00
2	Clerical	\$64.00 /hr.	6.00	\$384.00
3	Mileage	\$0.67 /mi.	120.00	\$80.40
<b>Subtotal; Clerical &amp; Management / Review</b>				<b>\$1,744.40</b>
<b>Unclassified Excavation (2035000) - 7,144 CY</b>				
1	Field Tech w/ Travel for Soil Sample Pickup	\$72.00 /hr.	3.00	\$216.00
2	Field Tech w/ Travel to Perform Proof Rolling (5 trips x 2 hrs per trip)	\$72.00 /hr.	10.00	\$720.00
3	Atterberg Limits	\$93.00 /ea.	3.00	\$279.00
4	Gradation	\$110.00 /ea.	3.00	\$330.00
5	Standard Proctor	\$236.00 /ea.	3.00	\$708.00
6	Mileage	\$0.67 /mi.	125.00	\$83.75
<b>Subtotal; Unclassified Excavation</b>				<b>\$2,336.75</b>
<b>Subbase Course (3040506) - 8,088 CY</b>				
1	Field Tech w/ Travel for Density Testing (6 trips x 3 hrs per trip)	\$72.00 /hr.	18.00	\$1,296.00
2	Field Density Tests	\$12.50 /ea.	25.00	\$312.50
3	Atterberg Limits	\$93.00 /ea.	1.00	\$93.00
4	Gradation	\$110.00 /ea.	1.00	\$110.00
5	Standard Proctor	\$236.00 /ea.	1.00	\$236.00
6	Mileage	\$0.67 /mi.	125.00	\$83.75
<b>Subtotal; Subbase Course</b>				<b>\$2,131.25</b>
<b>Bituminous Material Testing (4030101) - 741.3 Tons</b>				
1	Field Tech to Perform Asphalt Sampling (1 trips x 12 hrs per trip)	\$72.00 /hr.	12.00	\$864.00
2	Hot Mix Asphalt Testing (1 test per lot x 1 lot)	\$500.00 /ea.	1.00	\$500.00
3	Field Tech to Cut Cores (by Contractor)	\$72.00 /hr.	0.00	\$0.00
4	Core Density	\$43.00 /ea.	6.00	\$258.00
5	Mileage	\$0.67 /mi.	120.00	\$80.40
<b>Subtotal; Bituminous (4030101)</b>				<b>\$1,702.40</b>
<b>Bituminous Material Testing (4030106) - 3,482.4 Tons</b>				
1	Field Tech to Perform Asphalt Sampling (4 trips x 12 hrs per trip)	\$72.00 /hr.	48.00	\$3,456.00
2	Hot Mix Asphalt Testing (1 test per lot x 4 lots)	\$500.00 /ea.	4.00	\$2,000.00
3	Field Tech to Cut Cores (by Contractor)	\$72.00 /hr.	0.00	\$0.00
4	Core Density	\$43.00 /ea.	24.00	\$1,032.00
5	Mileage	\$0.67 /mi.	360.00	\$241.20
<b>Subtotal; Bituminous (4030106)</b>				<b>\$6,729.20</b>
<b>Subgrade Compaction (2101006A) - 21 Sta.</b>				
1	Field Tech w/ Travel for Density Testing (12 trips x 3 hrs per trip)	\$72.00 /hr.	36.00	\$2,592.00
2	Field Density Tests	\$12.50 /ea.	25.00	\$312.50
3	Mileage	\$0.67 /mi.	250.00	\$167.50
<b>Subtotal; Subgrade Compaction</b>				<b>\$3,072.00</b>
<b>6 in. Concrete Median Strip (6083006) - 32.3 SY</b>				
1	Field Tech to Perform Concrete Testing	\$72.00 /hr.	5.00	\$360.00
2	Concrete Cylinders - Tested	\$14.00 /ea.	6.00	\$84.00
3	Mileage	\$0.67 /mi.	50.00	\$33.50
<b>Subtotal; 6 in. Concrete Median Strip</b>				<b>\$477.50</b>
<b>TOTAL ESTIMATED COST</b>				<b>\$18,193.50</b>
<b>NOT-TO-EXCEED COST W/ 10% CONTINGENCY</b>				<b>\$20,012.85</b>