Airport Name:	Joplin Regional Airport
Project No.:	3-29-0037-057
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 and Tilly inc. (CMT) (hereinafter, "Consultant").

WITNESSETH:

WHEREAS, the Sponsor and the Consultant entered into an Agreement on August 23, 2023, 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 **$31,070.83** for a total not to exceed amount of **$626,297.29.**

(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 % 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 ADDDRESS	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 13th 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 24th day of September, 20 24.

Executed by the Sponsor this _____ day of _____, 20 ____.

CONSULTANT

By _____

Title Sr Vice President.

SPONSOR – City of Joplin

By _____.

Title _____

ATTEST:

By _____

Title Group Manager

ATTEST:

By _____.

Title _____

Approved as to Form:

By _____

Title Sr Vice President

Approved as to Form:

By _____

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 FAA 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. Review shop drawings and material certification submittals as provided by the Contractor.

   b. 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.
      i. Overall Daily Inspection: 1 RE @ 140 calendar days @ 10 hours per day
      ii. Overall Daily Supplemental Inspection: 1 RE @ 60 days @ 10 hours per day
      iii. Overall Daily Supplemental Inspection: 1 RE @ 40 days @ 10 hours per day
      iv. Phase 3 Inspection: 1 PM, 1 RE @ 14 days @ 9 hours per day

   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. Attend and conduct Pre-Pave Meeting. Minutes of the meeting will be prepared and distributed to all attendees.

   g. Hold weekly construction progress meetings

   h. Attend and Conduct Phase 3 Pre-construction preparation meeting.

   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, FAA, and the Contractor

h. Inspection of Final Punch List items:
    i. RE @ 10 days @ 8 hours per day

3. Project Closeout Phase

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

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

EXHIBIT V - SA1

ENGINEERING DESIGN SERVICES-COST BREAKDOWN (REVISED)

EXHIBIT IV - SA1

DERIVATION OF CONSULTANT PROJECT COSTS (CONSTRUCTION)

EXHIBIT V - SA1

ENGINEERING CONSTRUCTION SERVICES-COST BREAKDOWN

EXHIBIT IV

DERIVATION OF CONSULTANT PROJECT COSTS

JOPLIN REGIONAL AIRPORT

CITY OFJOPLIN, MISSOURI

REHABILITATION OF RUNWAY 13-31: ADD ALT #1 & #2 REHABILITATE TAXIWAY E

CONSTRUCTION PHASE SERVICES

June 10, 2024

Basic Services	Fee	Hours
Construction Phase	$626,297.29	1,379
Special Services	**Fee**	**Hours**
AGIS Post-Construction Survey	$0.00	0
Total	**$626,297.29**	**1,379**

EXHIBIT IV

DERIVATION OF CONSULTANT PROJECT COSTS

JOPLIN REGIONAL AIRPORT
CITY OFJOPLIN, MISSOURI
REHABILITATION OF RUNWAY 13-31: ADD ALT #1 & #2 REHABILITATE TAXIWAY E
CONSTRUCTION PHASE SERVICES
June 10, 2024

1 **DIRECT SALARY COSTS:**

TITLE	HOURS	(2025 Rates) RATE/HOUR	COST ($)
Principal	0	$107.43	$0.00
Project Engineer II	44	$82.16	$3,615.15
Project Manager I	488	$65.72	$32,071.12
Senior Engineer I	109	$50.45	$5,499.32
Engineer I	57	$38.59	$2,199.49
Senior Planner I	0	$49.98	$0.00
Planner I	0	$38.82	$0.00
Land Surveyor	0	$56.28	$0.00
Senior Technician I	666	$49.14	$32,727.24
Technician II	0	$32.49	$0.00
Admin./Accounting Assistant	15	$26.03	$390.44
	1,379		

Total Direct Salary Costs = $76,502.76

2 **LABOR AND GENERAL ADMINISTRATIVE OVERHEAD:**

Percentage of Direct Salary Costs @ 170.76 % = $130,636.11

3 **SUBTOTAL:**

Items 1 and 2 = $207,138.87

4 **PROFIT:**

15 % of Item 3 Subtotal = $31,070.83 Fixed Fee

Subtotal $238,209.70

5 **OUT-OF-POCKET EXPENSES:**

a. Mileage	11600	Miles @	$0.670	/ Mile =	$7,772.00
b. Construction Vehicle	0	Days @	$15.00	/ Day =	$0.00
c. Meals	46	Days @	$52.00	/ Day =	$2,392.00
d. Motel	26	Nights @	$130.00	/ Night =	$3,380.00
e. Permitting (Land Disturbance)				=	$750.00
f. Printing and Shipping				=	$1,200.00

Total Out-of-Pocket Expenses = $15,494.00

6 **SUBCONTRACT COSTS:**

a. Material Testing (PPI)	=	$94,093.59
b. Construction Observation (AMA)	=	$278,500.00
c.	=	
d.	=	

= $372,593.59

7 **MAXIMUM TOTAL FEE:**

Items 1, 2, 3, 4, 5 and 6 = $626,297.29 Not to Exceed

Exhibit V

JOPLIN REGIONAL AIRPORT
CITY OFJOPLIN, MISSOURI

CONSTRUCTION PHASE SERVICES
REHABILITATION OF RUNWAY 13-31: ADD ALT #1 & #2 REHABILITATE TAXIWAY E

June 10, 2024

Classification: Gross Hourly Rate:		Principal $334.50	Project Engineer II $255.83	Project Manager I $204.63	Senior Engineer I $157.10	Engineer I $120.15	Senior Planner I $155.62	Planner I $120.87	Land Surveyor $175.24	Senior Technician I $153.01	Technician II $101.16	Administrative/ Accounting Assistant $81.05	Other Costs
A. BASIC SERVICES													
1. Construction Phase:													
Prepare copies of conformed plans/specs for use by Contractor				1		3						1	
Prepare electronic files for contractor use				1		4				2			
Develop COP in accordance with FAA requirements				1		8							
Set up const. documentation paperwork, file folders, project binders, etc.						10							
Attend and conduct preconstruction conference and distribute minutes				12						4			
Review shop drawings, material certifications				8	16	6				10			
Project Field Inspection (140 days @ 10 hrs/day) SUB													
Travel to/from Site - Onsite Inspection R.E. #1													
Project Supplimental Field Inspection (60 days @ 10 hrs/day)SUB													
Travel to/from Site - Onsite Supp. R.E. #2													
Project Supplimental Field Inspection (40 days @ 10 hrs/day)										400			
Travel to/from Site - Onsite Supp. R.E. #3										64			
Phase 3 - Supplimental Field Inspection - Project Manager (14 days @ 9 hrs/day)				126									
Phase 3 - Travel to/from Site - Onsite Supp. PM (3 trips)				24									
Phase 3 - Supplimental Field Inspection - RE #1 (14 days @ 9 hrs/day)										126			
Phase 3 - Travel to/from Site - Onsite Supp. R.E. #1 (3 trips)										24			
Project Manager Field Visits/Site Inspections (12 days @ 10hrs/day)				120									
Travel to/from Site - PM Site Visit (10 trips)				80									
Office Support			32	24	16								
Prepare change orders, pay requests			8	14	12								
Phase 3 Pre-Construction Preparation				12						4			
Review payrolls				2	14							14	
Attend and Conduct Pre-Pave Meeting				12									
PM Weekly Construction Meetings Conference Call (0.5 hour/week, 28 weeks)				14									
Respond to field issues throughout duration of project			4	16	16	3				4			
Attend and conduct final inspection				16									
Verify completion of punch list (conducted by RE)				2									
Prepare and submit record drawings					16	5				8			
Prepare and submit Final Testing Report / Closeout Report				2	16	16				16			
Final DBE Documentation				1	1	2							
Update & Submit ALP to show As Built Conditions					2					4			
Total hours =	1,379	0	44	488	109	57	0	0	0	666	0	15	(1,2,3,4,5)
Total =	$626,297.29	$0.00	$11,256.64	$99,861.12	$17,123.46	$6,848.63	$0.00	$0.00	$0.00	$101,904.12	$0.00	$1,215.74	$388,087.59
2. AGIS Update (Not Required)													
Project Creation - FAA AGIS Website & SOW													
Field Survey - Project Areas													
Post Processing Survey Data													
AGIS Geometry Creation													
AGIS Attribution													
QAQC Review and FAA Submittal													
Total hours =	0	0	0	0	0	0	0	0	0	0	0	0	(1,2,3,4,5)
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	$0.00
PART A SUBTOTAL =		**$626,297.29**											
GRAND TOTAL =		**$626,297.29**											

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

June 10, 2024

Joplin Regional Airport
Rehabilitate Runway 13-31
Scheduled for Spring of 2025

CLASSIFICATION	Hours	RATE	EXTENDED COST
Construction Observation Services			
Project Representative III	1944	$ 139.00	$ 270,216.00
Principle Engineer IV	20	$ 243.00	$ 4,860.00
Direct Pass thru Costs			
Travel	5160	$ 0.67	$ 3,457.20
		Estimated Contract Ceiling	$ 278,533.20
		Established Contract Ceiling	**$ 278,500.00**

Summary of Inspection Hours - Breakdown			
Description	**Days**	**Hrs/Day**	**Total Hrs**
Primary Inspection	60	10	600
Primary Inspection	60	12	720
Assistant Inspection	52	12	624
		Total	**1944**
Description	**Travel Days**	**Miles/Day**	**Total Miles**
Mileage	172	30	5160

Notes:

1.0 Daily inspection includes preconstruction conference, project meetings and site inspection pursuant to CMT Letter dated May 31, 2024

2.0 Estimate is based upon Calendar Day durations as noted below.

-Primary inspection based upon 140 Calendar Days. (3 days per week, 10 hours per day)

-Primary inspection based upon 140 Calendar Days. (3 days per week, 12 hours per day)

-Assistant inspection based upon 60 Calendar Days (6 days per week, 12 hours per day)

3.0 Engineering Support Estimated at 20 hours total.

Construction Observation Services

Allgeier Martin and Associates, Inc.

Estimate of Costs

Date:

Joplin Regional Airport

Rehabilitate Runway 13-31

Scheduled for Spring of 2025

CLASSIFICATION	Hours	RATE	EXTENDED COST
Construction Observation Services			
Project Representative III			
Principle Engineer IV			
Direct Pass thru Costs			
Travel			

Established Contract Ceiling

Summary of Inspection Hours - Breakdown			
Description	**Days**	**Hrs/Day**	**Total Hrs**
Primary Inspection			
Primary Inspection			
Assistant Inspection			
		Total	
Description	**Travel Days**	**Miles/Day**	**Total Miles**
Mileage			

PALMERTON & PARRISH, INC.

4168 West Kearney Street
Springfield, Missouri 65803
Ph: (417) 864-6000
www.ppimo.com

PROJECT : Rehabilitate Runway 13-31
LOCATION: Joplin Regional Airport - Joplin, Missouri
DATE : June 5, 2024

Projected Costs for QA Testing

ITEM DESCRIPTION	UNIT COST		UNITS	EXTENSION
PPI Office - Clerical, Management & Review				
Engineer Reviews & Attend Site Meetings	$194.25	/hr.	30.00	$5,827.50
Clerical	$76.65	/hr.	40.00	$3,066.00
Mileage	$0.72	/mi.	600.00	$432.00
			Subtotal; PPI Office	**$9,325.50**
Embankment In Place (P-152)				
Field Tech w/ Travel for Soil Sample Pickup (2 trips x 2 hrs per trip)	$89.00	/hr.	4.00	$356.00
Field Tech w/ Travel to Perform Proof Rolling (5 trips x 2 hrs per trip)	$89.00	/hr.	10.00	$890.00
Field Tech w/ Travel to Perform Density Testing (5 trips x 3 hrs per trip)	$89.00	/hr.	15.00	$1,335.00
Atterberg Limits	$113.37	ea	3.00	$340.11
Gradation	$133.46	ea	3.00	$400.38
Standard Proctor	$286.98	ea	3.00	$860.94
Field Density Tests	$15.60	ea	10.00	$156.00
Mileage	$0.72	/mi.	300.00	$216.00
			Subtotal; Embankment In Place	**$4,554.43**
Subbase Course (P-209) - 7,850 SY				
Field Tech w/ Travel for Sample Pickup (1 trip x 2 hrs per trip)	$89.00	/hr.	2.00	$178.00
Field Tech w/ Travel for Density Testing (6 trips x 3 hrs per trip)	$89.00	/hr.	18.00	$1,602.00
Field Density Tests	$15.60	ea	12.00	$187.20
Atterberg Limits	$113.37	ea	0.00	$0.00
Gradation	$133.46	ea	2.00	$266.92
Standard Proctor	$286.98	ea	2.00	$573.96
Mileage	$0.72	/mi.	200.00	$144.00
			Subtotal; Subbase Course	**$2,952.08**
Bituminous Material Testing (P-401) - 20,534 Tons Overlay				
Field Tech to Perform Asphalt Sampling (11 trips x 12 hrs per trip)	$89.00	/hr.	132.00	$11,748.00
Field Tech to Transport Samples (11 trips x 6 hrs per trip)	$89.00	/hr.	66.00	$5,874.00
Hot Mix Asphalt Testing (11 lots x 3 tests per lot)	$596.52	ea	33.00	$19,685.16
Field Tech to Cut Cores (by Contractor)	$89.00	/hr.	0.00	$0.00
Core Density & Thickness	$51.96	ea	88.00	$4,572.48
Mileage	$0.72	/mi.	1900.00	$1,368.00
			Subtotal; Bituminous Material Testing (P-401) Overlay	**$43,247.64**
Bituminous Material Testing (P-401) - 7,820 Tons Large Crack Repair				
Field Tech to Perform Asphalt Sampling (4 trips x 12 hrs per trip)	$89.00	/hr.	48.00	$4,272.00
Field Tech to Transport Samples (4 trips x 6 hrs per trip)	$89.00	/hr.	24.00	$2,136.00
Hot Mix Asphalt Testing (4 lots x 3 tests per lot)	$596.62	ea	12.00	$7,159.44
Field Tech to Cut Cores (by Contractor)	$89.00	/hr.	0.00	$0.00
Core Density & Thickness	$51.96	ea	32.00	$1,662.72
Mileage	$0.72	/mi.	860.00	$619.20
			Subtotal; Bituminous Material Testing (P-401) Large Crack Repair	**$15,849.36**
Structural Concrete (P-610)				
Field Tech to Perform Concrete Testing (13 trips x 3 hrs/trip)	$89.00	/hr.	39.00	$3,471.00
Field Tech to Pickup Concrete Cylinders (13 trips x 1 hrs/trip)	$89.00	/hr.	13.00	$1,157.00
Concrete Cylinders - Processed (13 trips x 4 cyl)	$17.00	ea	52.00	$884.00
Mileage	$0.69	/mi.	550.00	$379.50
			Subtotal; Structural Concrete	**$5,891.50**
			REHABILITATE RUNWAY 13-31 - TOTAL ESTIMATED COST	**$81,820.51**
			NOT-TO-EXCEED COST W/ 15% CONTINGENCY	**$94,093.59**