



To: City Council  
From: Peter Brixius   
Date: September 12, 2023  
Subject: Award Recommendation – Airport Improvement Project 2024

Dear Council:

Please find the Armstrong recommendation letter for the award of work to United Companies for the completion of Schedules I, II, and III. Work is to commence in 2024. The local share of \$228,563.72 represents the City share of the split between the City and County and represents half of 6.15% of Schedules I and II and 10% of Schedule III.

Schedule I covers the asphalt milling, grading and overlay. Schedule II covers lighting improvements and vault replacement. Both Schedule I and II fall under the FAA portion of funding and Schedule III covers the taxiway rehabilitation and falls under State funding through CDOT Aeronautics requiring a 10% match.

The 3 Schedules total project cost is \$6,985,322.75.

Respectfully,

Peter Brixius  
Craig City Manager

Cc: Candace Miller  
Attachment: Armstrong Letter Dated May 12, 2023



May 12, 2023

Mrs. Candace Miller  
Moffat County and City of Craig  
1198 W. Victory Way #107  
Craig, CO 81625

**RE: Award Recommendation Letter**  
**Schedule I – Rehabilitate Runway 7/25**  
**Schedule II - Rehabilitate Runway Lighting**  
**Schedule III – Rehabilitate Taxiway Connectors (A3 and A4) and Rehabilitate Airport Rotating Beacon (CDOT Funded)**  
**Craig-Moffat County Airport – Craig, CO**  
**AIP No. 3-08-0012-021-2023 | ACI No. 236897**

Dear Mrs. Miller:

Bids were received for the above noted project on April 25, 2023. Two (2) bid(s) were received and are shown in the attached bid tabulation.

The bids were reviewed for math errors, bid bonds and other items of responsiveness. One (1) bid, from United Companies, appears to be responsive. The unresponsive bid, from Kilgore Companies dba Elam Construction, included mobilization greater than the maximum 10 percent on two of the three schedules. In addition, United Companies was the lowest bidder for Schedules I and II, which included FAA funding. A general review of each bid is summarized below:

CONTRACTOR	5% Bid Bond Included	Required Proposal Sheets Included	Addenda Acknowledged	Listed on Federal Disbarred Contractors List <sup>1</sup>
Kilgore Companies, LLC dba Elam Construction, Inc.	Yes	Yes	Yes	No
United Companies	Yes	Yes	Yes	No

<sup>1</sup> Based on information from the Federal System for Award Management website, accessed on April 25, 2023.

A DBE goal of 1.01% was established for this project. United Companies has committed to a DBE utilization of 1.01% through subcontracting with All Cowboy Erosion Control, LLC for seeding and erosion control.

A great deal of effort was put forth to attract bidders to this project. A total of five (5) potential bidders were sent the Invitation for Bids, and a total of seven (7) sets of plans and specifications were sent out to potential bidders, plan rooms, and suppliers. The advertisement for bids for the project was published for three (3) consecutive weeks prior to the bid opening. A pre-bid conference was held onsite to answer questions and show the project to potential bidders.

Based on conversations with FAA ADO staff, it is believed that sufficient funds are available for the budget listed below.

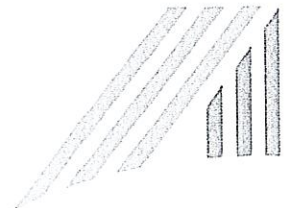
Our recommendation is to award Schedule I and II, to United Companies for a total contract amount of \$6,133,036.00 upon receiving concurrence from the FAA Program Manager.

The following budget needs to be developed for AIP No. 3-08-0012-021-2023 consisting of:

Schedule I: Rehabilitate Runway 7/25

Schedule II: Rehabilitate Runway Lighting

DESCRIPTION	AMOUNT
<b>Construction</b>	
Schedule I	\$ 5,741,840.00
Schedule II	\$ 391,196.00
<b>Construction Total</b>	<b>\$ 6,133,036.00</b>
<b>Engineering</b>	
RSA Grading Design	\$ 12,500.00
Construction Engineering	\$ 314,770.00
<b>Engineering Total</b>	<b>\$ 327,270.00</b>
<b>Administration</b>	
Admin Expenses (Estimated)	\$ 5,000.00
Flight Check (Estimated)	\$ 25,000.00
<b>Administration Total</b>	<b>\$ 30,000.00</b>
<b>Total Project Cost</b>	<b>\$ 6,490,306.00</b>
<b>Budget Summary</b>	
FAA Share 90.0%	\$ 5,841,276.00
State Share 3.85%	\$ 250,000.00
Local Share 6.15%	\$ 399,030.00



Our recommendation is to also award Schedule III, excluding the Airport Rotating Beacon, to United Companies for a contract amount of \$495,016.75. By removing the beacon, the contract amount is reduced to stay within the available grant funding.

Schedule III: Rehabilitate Taxiway Connectors (A3 and A4) and Rehabilitate Airport Rotating Beacon (CDOT Funded)

DESCRIPTION	AMOUNT
<b>Construction</b>	
Schedule III	\$ 495,016.75
<b>Construction Total</b>	<b>\$ 495,016.75</b>
<b>Budget Summary</b>	
FAA Share 0.0%	\$ 0.00
State Share 90.0%	\$ 445,514.80
Local Share 10.0%	\$ 49,502.20

We will send the Notice of Award for signature once approval is received from the FAA Program Manager and a FAA Grant Agreement is executed.

If you have any questions regarding this matter, please contact our office. We look forward to getting this project completed.

Sincerely,  
ARMSTRONG CONSULTANTS, INC.

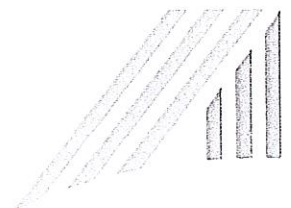


Heather Thom, P.E.  
Airport Project Manager

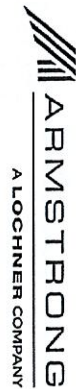
HAT:jc

Enclosures: Bid Tabulation

cc: Mr. Todd Minnoch, FAA - Denver ADO  
Mr. Scott Storie, CDOT







BID TABULATION  
 Craig-Moffat County Airport  
 Craig, Colorado  
 Runway Rehabilitation  
 AIP No. 3-08-0012-020-2022 | 3-08-0012-021-2023  
 ACI No. 236897  
 April 25, 2023 at 10:00 a.m. MDT

Item No.	Spec No.	Description	Qty	Unit	Engineer's Estimate		Kilgore Companies, LLC Construction		United Companies	
					Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
Schedule I - Rehabilitate Runway 7/25										
I-1	C-100	Contractor Quality Control Program (CQCP)	1	LS	\$ 321,600.00	\$ 321,600.00	\$ 527,200.00	\$ 527,200.00	\$ 302,000.00	\$ 302,000.00
I-2	C-102	Temporary Air and Water Pollution, Soil Erosion, and Siltation Control	0	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental
I-3	C-105	Mobilization	1	LS	\$ 428,800.00	\$ 428,800.00	\$ 727,410.00	\$ 727,410.00	\$ 573,800.00	\$ 573,800.00
I-4	C-110	Method of Estimating Percentage of Material within Specification Limits (PWL)	0	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental
I-5	P-152a	Excavation (Shoulder Grading)	2150	CY	\$ 25.00	\$ 53,750.00	\$ 40.00	\$ 86,000.00	\$ 36.25	\$ 77,937.50
I-6	P-152b	Soft Spot Repair	14841	SY	\$ 35.00	\$ 519,435.00	\$ 35.00	\$ 519,435.00	\$ 44.75	\$ 664,134.75
I-7	P-207	In-place Full Depth Reclamation (FDR) Recycled Asphalt Aggregate Base Course	70,803	SY	\$ 10.00	\$ 708,030.00	\$ 7.05	\$ 499,161.15	\$ 6.00	\$ 424,818.00
I-8	P-401a	Asphalt Surface Course (50 Blow) (4 inches thick)	17,067	TON	\$ 100.00	\$ 1,706,700.00	\$ 124.00	\$ 2,116,308.00	\$ 122.00	\$ 2,082,174.00
I-9	P-401b	Asphalt Binder (PG 58-34)	1,195	TON	\$ 800.00	\$ 956,000.00	\$ 865.00	\$ 1,033,675.00	\$ 995.00	\$ 1,189,025.00
I-10	P-602	Emulsified Asphalt Prime Coat	22261	GAL	\$ 6.00	\$ 133,566.00	\$ 6.40	\$ 142,470.40	\$ 8.00	\$ 178,088.00
I-11	P-603	Emulsified Asphalt Track Coat	7420	GAL	\$ 10.00	\$ 74,200.00	\$ 6.55	\$ 48,601.00	\$ 8.00	\$ 59,360.00
I-12	P-620a	Pavement Markings	36,126	SF	\$ 1.00	\$ 36,126.00	\$ 1.00	\$ 36,126.00	\$ 1.25	\$ 45,157.50
I-13	P-620b	Reflective Media	2,199	LBS	\$ 1.00	\$ 2,199.00	\$ 1.15	\$ 2,528.85	\$ 1.75	\$ 3,848.25
I-14	P-620c	Temporary Markings	36,126	SF	\$ 1.00	\$ 36,126.00	\$ 0.80	\$ 28,900.80	\$ 1.00	\$ 36,126.00
I-15	D-701	12 inch HDPE with Flared Ends	196	LF	\$ 100.00	\$ 19,600.00	\$ 116.00	\$ 22,736.00	\$ 118.00	\$ 23,128.00
I-16	D-751	Reset Sewer Manholes	2	EA	\$ 3,000.00	\$ 6,000.00	\$ 1,160.00	\$ 2,320.00	\$ 9,275.00	\$ 18,550.00
I-17	T-901	Seeding	10.5	AC	\$ 3,500.00	\$ 36,750.00	\$ 4,190.00	\$ 43,995.00	\$ 6,066.00	\$ 63,693.00
TOTAL SCHEDULE I					\$ 5,038,882.00	\$ 5,038,882.00	\$ 4,190.00	\$ 43,995.00	\$ 6,066.00	\$ 63,693.00
								5,836,867.20		5,741,840.00



BID TABULATION  
Craig-Moffat County Airport  
Craig, Colorado  
Runway Rehabilitation  
AIP No. 3-08-0012-020-2022 | 3-08-0012-021-2023  
ACI No. 236897  
April 25, 2023 at 10:00 a.m. MDT

Item No.	Spec No.	Description	Qty	Unit	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount		
Engineer's Estimate							Kilgore Companies, LLC Construction		dbs Elam		United Companies	
Schedule II - Rehabilitate Runway Lighting												
II-1	C-105	Mobilization	1	LS	\$ 35,000.00	\$ 35,000.00	\$ 21,040.00	\$ 21,040.00	\$ 38,000.00	\$ 38,000.00		
II-2	P-101a	Removal of Cables and Conduit	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 1,340.00	\$ 1,340.00	\$ 1,216.50	\$ 1,216.50		
II-3	P-101b	Removal of Retroreflective Edge Markers	82	EA	\$ 30.00	\$ 2,460.00	\$ 75.60	\$ 6,199.20	\$ 68.25	\$ 5,596.50		
II-4	P-101c	Removal of Runway Edge Lights	58	EA	\$ 40.00	\$ 2,320.00	\$ 194.00	\$ 11,252.00	\$ 175.25	\$ 10,164.50		
II-5	P-101d	Removal of Taxiway Edge Lights	16	EA	\$ 40.00	\$ 640.00	\$ 194.00	\$ 3,104.00	\$ 175.25	\$ 2,804.00		
II-6	P-101e	Removal of Threshold Lights	16	EA	\$ 40.00	\$ 640.00	\$ 194.00	\$ 3,104.00	\$ 175.25	\$ 2,804.00		
II-7	P-101f	Removal of Lighted Guidance Signs	14	EA	\$ 100.00	\$ 1,400.00	\$ 707.00	\$ 9,898.00	\$ 641.25	\$ 8,977.50		
II-8	P-153	Controlled Low-Strength Material (CLSM)	0	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental		
II-9	P-610	Structural Portland Cement Concrete	0	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental		
II-10	L-107a	L-807 Size 2, Style I-B (LED) Wind Cone and Foundation (Remove and Replace)	1	EA	\$ 9,000.00	\$ 9,000.00	\$ 15,860.00	\$ 15,860.00	\$ 14,370.00	\$ 14,370.00		
II-11	L-107b	L-806 Size 1, Style I-B (LED) Wind Cone (Remove and Replace)	2	EA	\$ 9,000.00	\$ 18,000.00	\$ 8,440.00	\$ 16,880.00	\$ 7,646.00	\$ 15,292.00		
II-12	L-107c	Segmented Circle Marker System, In-Place	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 10,530.00	\$ 10,530.00	\$ 9,539.00	\$ 9,539.00		
II-13	L-108a	No. 8 AWG, 5 KV, L-824, Type C Cable, Installed in Conduit	3,600	LF	\$ 2.50	\$ 9,000.00	\$ 3.40	\$ 12,240.00	\$ 3.06	\$ 11,016.00		
II-14	L-108b	No. 8 Bare Counterpoise	2,800	LF	\$ 5.00	\$ 14,000.00	\$ 2.85	\$ 7,980.00	\$ 2.59	\$ 7,252.00		
II-15	L-108c	No. 10 AWG THWN Cable	520	LF	\$ 2.00	\$ 1,040.00	\$ 1.30	\$ 676.00	\$ 1.25	\$ 650.00		
II-16	L-108d	No. 10 Equipment Ground	202	LF	\$ 100.00	\$ 20,200.00	\$ 1.20	\$ 242.40	\$ 1.25	\$ 252.50		
II-17	L-109	Installation of Constant Current Regulator within Existing Electrical Vault (7.5 kw)	1	EA	\$ 30,000.00	\$ 30,000.00	\$ 27,430.00	\$ 27,430.00	\$ 24,855.00	\$ 24,855.00		
II-18	L-110	Non-Encased Electrical Conduit, 1-Way 2-Inch C	3100	LF	\$ 3.00	\$ 9,300.00	\$ 17.50	\$ 54,250.00	\$ 15.75	\$ 48,825.00		
II-19	L-125a	Base-Mounted Medium Intensity LED Runway Edge Light (L-861)	58	EA	\$ 2,000.00	\$ 116,000.00	\$ 1,350.00	\$ 78,300.00	\$ 1,226.00	\$ 71,108.00		
II-20	L-125b	Base-Mounted Medium Intensity LED Threshold Light (L-861 SE)	16	EA	\$ 2,100.00	\$ 33,600.00	\$ 1,430.00	\$ 22,880.00	\$ 1,300.00	\$ 20,800.00		
II-21	L-125c	Base-Mounted Medium Intensity LED Taxiway Edge Light (L-861 T)	12	EA	\$ 1,900.00	\$ 22,800.00	\$ 1,120.00	\$ 13,440.00	\$ 1,013.00	\$ 12,156.00		
II-22	L-125d	Retroreflective Taxiway Edge Markers	88	EA	\$ 200.00	\$ 17,600.00	\$ 126.00	\$ 11,088.00	\$ 114.25	\$ 10,054.00		
II-23	L-125e	New LED Sign Fixture on Existing Lighted Guidance Sign Base (2 Module)	8	EA	\$ 5,000.00	\$ 40,000.00	\$ 3,880.00	\$ 31,040.00	\$ 3,519.00	\$ 28,152.00		
II-24	L-125f	New LED Sign Fixture on Existing Lighted Guidance Sign Base (3 Module)	6	EA	\$ 6,000.00	\$ 36,000.00	\$ 4,730.00	\$ 28,380.00	\$ 4,289.00	\$ 25,734.00		
II-25	L-125g	Adjust Light Fixture Riser	70	EA	\$ 500.00	\$ 35,000.00	\$ 340.00	\$ 23,800.00	\$ 308.25	\$ 21,577.50		
TOTAL SCHEDULE II					\$	\$ 461,000.00	\$	\$ 410,953.60	\$	\$ 391,196.00		





BID TABULATION  
 Craig-Moffat County Airport  
 Craig, Colorado  
 Runway Rehabilitation  
 AIP No. 3-08-0012-020-2022 | 3-08-0012-021-2023  
 ACI No. 236897  
 April 25, 2023 at 10:00 a.m. MDT

Item No.				Engineer's Estimate		Kilgore Companies, LLC Construction		dba Elam		United Companies	
Spec No.	Description	Qty	Unit	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>Schedule III - Rehabilitate Taxiway Connectors (A3, A4), and Rehabilitate Airport Rotating Beacon (CDOT Funded)</b>											
III-1	C-102 Temporary Air and Water Pollution, Soil Erosion, and Siltation Control	0	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental
III-2	C-105 Mobilization	1	LS	\$ 26,100.00	\$ 26,100.00	\$ 82,580.00	\$ 82,580.00	\$ 53,500.00	\$ 53,500.00		
III-3	C-110 Method of Estimating Percentage of Material within Specification Limits (PWL)	0	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental
III-4	P-152a Excavation (Shoulder Grading)	330	CY	\$ 25.00	\$ 8,250.00	\$ 40.00	\$ 13,200.00	\$ 52.00	\$ 17,160.00		
III-5	P-152b Soft Spot Repair	843	SY	\$ 35.00	\$ 29,505.00	\$ 35.00	\$ 29,505.00	\$ 67.50	\$ 56,902.50		
III-6	P-207 In-place Full Depth Reclamation (FDR) Recycled Asphalt Aggregate Base Course	3,977	SY	\$ 10.00	\$ 39,770.00	\$ 7.05	\$ 28,037.85	\$ 7.00	\$ 27,839.00		
III-7	P-401a Asphalt Surface Course (50 Blow) (4 inches thick)	969	TON	\$ 100.00	\$ 96,900.00	\$ 124.00	\$ 120,156.00	\$ 243.00	\$ 235,467.00		
III-8	P-401b Asphalt Binder (PG 58-34)	68	TON	\$ 800.00	\$ 54,400.00	\$ 865.00	\$ 58,820.00	\$ 1,100.00	\$ 74,800.00		
III-9	P-602 Emulsified Asphalt Prime Coat	1,264	GAL	\$ 6.00	\$ 7,584.00	\$ 6.40	\$ 8,089.60	\$ 12.75	\$ 16,116.00		
III-10	P-603 Emulsified Asphalt Track Coat	421	GAL	\$ 10.00	\$ 4,210.00	\$ 6.55	\$ 2,757.55	\$ 14.75	\$ 6,209.75		
III-11	P-620a Pavement Markings	302	SF	\$ 1.00	\$ 302.00	\$ 1.00	\$ 302.00	\$ 1.25	\$ 377.50		
III-12	P-620b Reflective Media	18	LBS	\$ 1.00	\$ 18.00	\$ 1.15	\$ 20.70	\$ 112.00	\$ 2,016.00		
III-13	P-620c Temporary Markings	302	SF	\$ 1.00	\$ 302.00	\$ 0.80	\$ 241.60	\$ 1.00	\$ 302.00		
III-14	L-101 Airport Rotating Beacon	1	EA	\$ 20,000.00	\$ 20,000.00	\$ 41,460.00	\$ 41,460.00	\$ 43,844.00	\$ 43,844.00		
III-15	T-901 Seeding	0.5	AC	\$ 3,500.00	\$ 1,750.00	\$ 4,220.00	\$ 2,110.00	\$ 8,654.00	\$ 4,327.00		
TOTAL SCHEDULE III					\$ 289,091.00		\$ 387,280.30		\$ 598,860.75		
Bld Total - Schedules I - III				\$	5,788,973.00	\$	6,635,101.10	\$	6,671,896.75		
				Engineer's Estimate		Kilgore Companies, LLC Construction		dba Elam		United Companies	





**NOTICE OF AWARD**  
**FOR IMPROVEMENTS TO**  
**CRAIG-MOFFAT COUNTY AIRPORT**  
**RUNWAY REHABILITATION**  
**CRAIG, COLORADO**

**AIP NO. 3-08-0012-020-2022 | 3-08-0012-021-2023**

TO: Oldcastle SW Group, Inc. dba United Companies  
2273 River Road  
Grand Junction, CO 81505

The OWNER has considered the Bid submitted by you for the above described Work in response to its Invitation for Bids and Instructions to Bidders.

You are hereby notified that your Bid for all schedules has been accepted in the amount of Six Million Six Hundred and Twenty-Eight Thousand and Fifty-Two Dollars and Seventy-Five Cents (\$6,628,052.75).

You are required by the Instructions to Bidders to execute the Agreement and furnish the required Contractor's Performance and Payment Bonds and Proofs of Insurance within fifteen (15) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said Bonds and Proofs of Insurance within fifteen (15) days from the date of this Notice, said Owner will be entitled to consider your Bid abandoned, to annul this Notice of Award and to declare your Bid Security forfeited.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the Owner.

Dated this 22<sup>nd</sup> day of August, 2023.

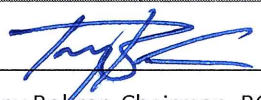
CITY OF CRAIG, COLORADO (OWNER)

By \_\_\_\_\_  
Derek Duran, Mayor

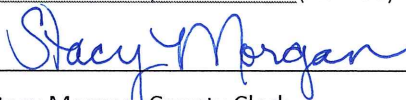
CITY OF CRAIG, COLORADO (ATTEST)

By \_\_\_\_\_  
Liz White, City Clerk

MOFFAT COUNTY, COLORADO (OWNER)

By   
Tony Bohrer, Chairman, BOCC

MOFFAT COUNTY, COLORADO (ATTEST)

By   
Stacy Morgan, County Clerk

**ACCEPTANCE OF NOTICE**

Receipt of the above NOTICE OF AWARD is hereby acknowledged by:

OLDCASTLE SW GROUP, INC. DBA UNITED COMPANIES (CONTRACTOR)

By \_\_\_\_\_

Date: \_\_\_\_\_

Title \_\_\_\_\_

Telephone: \_\_\_\_\_

**TASK ORDER B  
ATTACHMENT TO  
PROFESSIONAL SERVICES AGREEMENT  
BETWEEN SPONSOR AND ENGINEER,  
DATED August 22, 2023**

**FURTHER DESCRIPTION OF SERVICES OF ENGINEER**

1. This Attachment is made a part of and incorporated by reference into the Professional Services Agreement made on February 19, 2019, between **CITY OF CRAIG and MOFFAT COUNTY, COLORADO (Sponsor)** and **ARMSTRONG CONSULTANTS, INC., (Engineer)** providing for professional engineering services. The Services of Engineer as described in Section 1 of the Agreement are amended or supplemented as indicated below and the time periods for the performance of certain services are stipulated as indicated below.

2. **LOCATION** – Craig-Moffat County Airport, Craig, Colorado

3. **WORK PROGRAM** – Attached

*Element 1 – Rehabilitate Runway 7/25*

*Element 2 – Rehabilitate Runway 7/25 Lighting*

*Element 3 – Rehabilitate Taxiway Connectors and Airport Rotating Beacon (CDOT FUNDED)*

*Element 4 - Rehabilitate Runway 7/25 (RSA Grading)*

4. **FEES** - The fees will be as noted below. (All lump sums unless noted otherwise)

**Elements 1, 2, 3, and 4 – Project Development** \$8,510.00

**Element 4 – Design**

Included in Task Order A Addendum #1

**Elements 1, 2, 3, and 4 – Bidding Services** \$13,450.00

**Elements 1, 2, 3, and 4 – Construction Period Services**

Construction Administration Services \$54,080.00

Construction Inspection Services (Cost)<sup>1</sup> \$79,030.00

Construction Inspection Services (Fixed Fee) \$11,500.00

**Elements 1, 2, 3, and 4 – Project Closeout** \$20,130.00

**Elements 1, 2, 3, and 4 – Special Services**

DBE Program Assistance During Construction \$5,070.00

Quality Assurance Testing Program \$123,000.00

**Engineering Total<sup>1</sup>** \$314,770.00

*1) Total includes estimated Construction Inspection fees listed on rate sheet*

5. **ATTACHMENTS** - Required Contract Provisions for A/E Contracts Under Airport Improvement Program

SPONSOR:  
**MOFFAT COUNTY, COLORADO**

  
\_\_\_\_\_  
Tony Bohrer, Chairman BOCC

ATTESTED BY:  
**MOFFAT COUNTY, COLORADO**

  
\_\_\_\_\_  
Stacy Morgan, County Clerk

ENGINEER:  
**ARMSTRONG CONSULTANTS, INC.**

\_\_\_\_\_  
Dennis Corsi, Vice President, Area Manager

SPONSOR:  
**CITY OF CRAIG, COLORADO**

\_\_\_\_\_  
Derek Duran, Mayor

ATTESTED BY:  
**CITY OF CRAIG, COLORADO**

\_\_\_\_\_  
Liz White, City Clerk



**CONSTRUCTION INSPECTION SERVICES RATE SHEET** (subject to calendar year adjustments):

<b>DIRECT EXPENSES</b>					
<b>Position</b>	<b>Unloaded Hourly Rate</b>	<b>Overtime Hourly Rate</b>	<b>Estimated Regular Hours</b>	<b>Estimated Overtime Hours</b>	<b>Estimated Total</b>
Principal	\$217	-		-	
Senior PM	\$172	-		-	
Project Manager	\$156	-		-	
Project Engineer	\$131	-		-	
Senior Inspector	\$131	-		-	
Resident Inspector	\$121.50	\$158			
Drafter	\$108	-		-	
Clerical	\$89	-		-	
<b>ESTIMATED TOTAL DIRECT FEES</b>					
<b>REIMBURSABLE EXPENSES</b>					
<b>Expense</b>	<b>Rate</b>	<b>Estimated Quantity</b>	<b>Estimated Total</b>		
Meals and Incidental Expenses Per Diem	\$69/day				
Lodging Per Diem	\$178/day				
Rental Car	\$110/day				
Mileage	\$0.58/mi				
Airfare	n/a				
On-site Cell Phone and Internet Costs	\$75/month				
Misc Expenses	Actual Cost	\$500			
<b>ESTIMATED TOTAL REIMBURSABLE FEES</b>					
<b>TOTAL ESTIMATED CONSTRUCTION INSPECTION FEES</b>					

**SCOPE OF WORK  
CRAIG-MOFFAT COUNTY AIRPORT  
AIP NO. 3-08-0012-021-2023**

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**ELEMENT #1    Rehabilitate Runway 7/25**

1. See Task Order A, dated July 12, 2022, for the element work program and project design.

Estimated Construction Cost (Element 1) is: \$5,000,000

Estimated Construction Period (Element 1) is: 60 days<sup>1</sup>

**ELEMENT #2    Rehabilitate Runway 7/25 Lighting**

1. See Task Order A, dated July 12, 2022, for the element work program and project design.

- 1.1. The design phase initially had the Primary Wind Cone being relocated to a different location depicted on the current ALP. It was determined that the Primary Wind Cone would remain in its current location.

Estimated Construction Cost (Element 2) is: \$450,000

Estimated Construction Period (Element 2) is: 60 days<sup>1</sup>

**ELEMENT #3    Rehabilitate Taxiway Connectors and Airport Rotating Beacon (State and Local funds only)**

1. See Task Order A, dated July 12, 2022, for the element work program and project design.

- 1.1. The current Airport Rotating Beacon, located approximately 2.5 miles southeast of the Airport, has reached the end of its design life and is no longer operating as intended. The project will remove the existing Airport Rotating Beacon and replace with a new LED beacon. The existing beacon tower and power service will remain in place.

Estimated Construction Cost (Element 3) is: \$290,000

Estimated Construction Period (Element 3) is: 60 days<sup>1</sup>

**ELEMENT #4    Rehabilitate Runway (RSA Grading)**

1. See Addendum 1, Task Order A, February 14, 2023, for the element work program and project design.

Estimated Construction Cost (Element 4) is: \$50,000

Estimated Construction Period (Element 4) is: 60 days<sup>1</sup>

*Note: <sup>1</sup> Should the Contractor exceed the specified construction period, additional construction period fees will be assessed according to the hourly rates and direct costs shown in the Construction Period Services Rate Sheet OR at a rate of \$1,750/day. The Sponsor may offset these fees by charging the Contractor liquidated damages*

in accordance with the Contract Agreement and Special Provisions developed as part of the bid documents for the project. All four elements are expected to run concurrently.





## **I. PROJECT DEVELOPMENT**

The project development phase is intended to complete the necessary preliminary actions required to initiate the project in accordance with established Federal, State and Local policies and procedures.

Activities include:

1. Conduct a pre-design meeting/scoping conference with the Sponsor, FAA, and State to establish parameters for the project definition and work areas, budget, schedule, and needs for topographic survey and geotechnical investigations.
2. Develop a draft Scope of Work narrative for review and approval. The Sponsor will be required to have an independent fee estimate (IFE) performed to validate the proposed engineering fees. The Engineer will assist the Sponsor in getting reimbursed for the cost of this IFE as part of the grant by preparing a request for reimbursement. Upon receiving approval of the scope of work narrative, engineering fees will be calculated and provided with the final Scope of Work. The Engineer will assist the Sponsor with the submittal of a Record of Negotiations to document the fee negotiation performed for the project.
3. Prepare final Scope of Work and Contract.
4. Prepare and submit revised form 7460-1 into the OE/AAA system as appropriate.
5. Prepare Preliminary FAA Grant Application. Preparation of the application will include the following:
  - a. Form 424, Application for Federal Assistance
  - b. Form 5100-100
  - c. Program Narrative
  - d. Project Cost Estimate
  - e. Airport Sponsor Assurances
  - f. Project Sketch clearly identifying major work items
  - g. Exhibit "A" Property Map
  - h. Standard DOT Title VI Assurance
  - i. Sponsor Certification for Project Plans and Specifications
  - j. Sponsor Certification for Selection of Consultants
  - k. Sponsor Certification for Disclosure of Potential Conflicts of Interest
  - l. Sponsor Certification for Equipment and Construction Contracts
  - m. Sponsor Certification for Construction Project Final Acceptance
  - n. Current listing of FAA Advisory Circulars for AIP/PFC Projects
  - o. Sponsor Certification for Drug-Free Workplace
  - p. Title VI Pre-award Sponsor Checklist.

The Engineer will submit the application to the Sponsor for approval and signatures.

## **II. BIDDING SERVICES**

During the bidding phase of the project, the Engineer will assist the Airport in advertising and letting the project for bid. Engineer will assist in dialogue with potential bidders to quantify bidder questions assist Sponsor in attaining economic bids. Activities outlined below and the fees listed on pages 1-2 cover one iteration of the bidding process. Preparing multiple bid processes, packages, or re-bidding may incur additional or repeated services.

Activities include:

1. Assist the Sponsor with advertising and interpretation of the project requirements. Plans and specifications will be available via the web site of Armstrong Consultants. The Sponsor, State, and FAA will be given a digital copy of the final plans, specifications, and contract documents.
2. Provide technical assistance and recommendations to the Airport during construction bidding.
3. Attend and assist with pre-bid conference. Answer Contractor questions and issue necessary clarifications and addenda. The pre-bid conference will be held on-site by the Project Manager and Engineer.
4. Provide an on-line bidding platform and read the bids aloud via online video conference at the date, and time agreed by the Sponsor.
5. Prepare an abstract of bids, perform necessary review of the bids to determine responsiveness, and prepare award recommendation letter.
6. Update preliminary Federal Grant Application prepared during Project Development phase based on bids. The Engineer will submit the application to the Sponsor for approval and signatures.
7. Assist in award notification to successful bidder and notify and return bid bonds to the unsuccessful bidders. The DBE goal and all bidding requirements will be reviewed for responsiveness. Any issues or concerns that arise from the bidding documents will be brought to the attention of the Sponsor for clarification.

### **III. CONSTRUCTION PERIOD SERVICES**

During the construction phase of the project, the Engineer will assist the Airport with monitoring, documenting progress for quality and cost control and overall grant administration during construction.

Activities include:

#### **A. Construction Administration Services**

1. Coordinate construction contract documents for successful bidder, including contract agreement, bond forms, certificates of inclusion, and Notice to Proceed. Review contractor's bonds, insurance certificates, construction schedules. Review contractor's sub-contracts.
2. Provide Sponsor, State, and FAA with a copy of the Contract Documents, Specifications, and Construction Plans. Provide Contractor with digital copies of the Contract Documents, Specifications, and Construction Plans; complete with all addenda.
3. Review and accept the Contractor's Safety Plan Compliance Documents prior to issuing the Notice to Proceed.
4. Coordinate a Construction Management Plan with the Contractor, Sponsor, and FAA prior to paving operations commencing.
5. Conduct pre-construction conference.
6. Identify local survey control points used for project design and layout. Engineering staff will assist, as necessary, the resident inspector and Contractor's surveyor during construction by compiling and sending supplemental information regarding issues arising related to construction surveying. Work may include developing alternative survey control based on site conditions discovered during construction and/or findings of the Contractor's surveyor.
7. Monitor Strategic Event Coordination (SEC) form, prepared during design phase, relative to construction progress. Revise as necessary due to construction schedule.
8. Provide technical assistance and recommendations to the airport during construction. This item also includes daily construction coordination from the office that does not fit in another item such as phone calls to and from the Contractor, inspector and Owner for project updates, questions, and instruction.
9. Construction Site Visits. This item includes two (2) additional trips for Element 1, one (1) additional trip for Element 2, one (1) additional trip for Element 3, and one (1) additional trip for Element 4 to the job site for on-site clarification by the Project Manager and Engineer.
10. Conduct pre-paving conference to review Contractors laydown, testing and surveying plans.
11. Prepare change orders and supplemental agreements, if required; including appropriate cost/price analyses. All coordination of change orders will be provided by the Engineer.



12. Prepare and confirm monthly payment requests. Payment requests will be reviewed for accuracy with contractor and resident inspector. Engineer will prepare FAA and State payment documents for the Sponsor. The Sponsor will be required to complete the payment reimbursement through the FAA e-invoicing system and the State process.

**B. Construction Inspection Services**

1. Provide review of all submittals for materials to be used on the project. Review all shop drawings items as required during construction.
2. Provide a full-time resident inspector to monitor and document construction progress for Elements 1, 2, 3, and 4, confirm conformance with schedules, plans and specifications, measure and document construction pay quantities, document significant conversations or situations, document input or visits by local authorities, etc. Maintain daily log of construction activities. Conduct interviews of the Contractor's and Subcontractor's employees regarding Davis Bacon wage rates and the review of their weekly payroll reports.
3. Prepare and submit weekly inspection reports. Reports will be submitted to the FAA, State, and Sponsor.
4. Conduct final project inspection with the Sponsor, FAA, State, and the contractor. Any punch list items will be noted and coordinated with the contractor for necessary action.

#### **IV. PROJECT CLOSEOUT**

During the project closeout phase of the project, the Engineer will assist the Sponsor with compiling all of the reports, documents, and other items necessary to successfully close out the associated grant and provide an accurate historical record for the project.

Activities include:

1. Prepare Summary of Tests report to document the acceptance testing performed on the project.
2. Assist the Sponsor with completing all necessary grant closeout certifications and forms, including:
  - a. Final SF271 and final Invoice Summary worksheet.
  - b. FAA Sponsor Certifications – Selection of Consultants, Project Plans and Specifications
  - c. DBE Participation Summary form, if DBE subconsultants are utilized
3. Update Pavement Strength Survey form and Pavement Classification Rating (PCR) as necessary to reflect new pavement construction (using FAA's FAAIRFIELD or COMFAA software).
4. Update the Airport Master Record as necessary and submit to the FAA through the NFDC web portal.
5. Prepare record drawings, indicating changes made to the design during construction. The FAA, State, and Sponsor will each receive one copy of the record drawings in half size (11"x17") format, as well as one in electronic format.
6. Prepare Final Engineers Report. The final report will follow the current FAA NWMR Final Report guidance (Sponsor Guidance 620-05). The Final Engineers Report must be submitted to and approved by the FAA prior to final payment authorization to the Contractor and Engineer.
7. Assist Sponsor in preparing final SF425 and SF 271 forms and grant closeout letter.

## V. SPECIAL SERVICES

Special Services are those services that aren't considered "basic" services such as those listed above. When a Special Service is needed that we do not provide in-house, we will contract with other firms that provide those services. The following are activities that are included in this project that fall under Special Service tasks.

Activities include:

1. Assist the Sponsor with the Disadvantaged Business Enterprise (DBE) Program:
  - a. Review Sponsor's DBE Goal Calculations for the current fiscal year. Add or update any missing project goals and correct any identified issues to keep the Airport in compliance.
  - b. Assist the Sponsor in submitting updated goals to the FAA Civil Rights Office.
  - a. Assist the Sponsor with fiscal year DBE utilization reporting and in submitting these items to the FAA Civil Rights Website.
  - c. Assist Sponsor in ensuring record compliance found in USDOT 49 CFR Part 26 requirements are met.
  - b. Coordinate the Sponsor's DBE plan requirements and goals through construction and closeout.
  - c. Research the current State DOT certified DBE listings and area contractors to determine the availability of potential DBE contractors. Use the preliminary cost estimate, developed during the design phase, to determine potential DBE work items.
  - d. Assist Sponsor with DBE issues during bidding including analyzing Contractors' Good Faith Efforts.
  - e. Monitor DBE usage and document final utilization.
2. Acceptance Testing will be conducted by a subconsultant hired by the Engineer in accordance with the requirements listed in the technical specifications developed for the project for the following items:

Item P-207	In-Place FDR Recycled Asphalt Aggregate Base Course
Item P-401	Plant Mix Bituminous Pavement
Item P-610	Structural Portland Cement Concrete
3. Detailed mill, shop, and/or laboratory inspections of materials and equipment.