

**AMENDMENT NO. 25
TO
AGREEMENT FOR ENGINEERING SERVICES
CITY OF BILLINGS AVIATION AND TRANSIT DEPARTMENT**

DATED April 9, 2012

This Amendment No. 25 made and entered into this _____ day of May, 2016 by and between the following:

City of Billings, Montana, a Municipal Corporation, PO Box 1178
Billings, Montana 59103, hereinafter designated the OWNER

and

Morrison-Maierle, Inc., 315 N. 25th Street, Suite 102, Billings, Montana 59102,
a private Montana Corporation, hereinafter designated as the ENGINEER

W I T N E S S E T H:

WHEREAS, the OWNER and the ENGINEER have entered into a contract dated April 9, 2012 for ENGINEER to provide engineering services to OWNER for AIP 054-2016 West Taxilane and Ramp Construction.

WHEREAS, the OWNER has a need for additional engineering services;

WHEREAS, the ENGINEER represents that he is qualified to perform such services, is in compliance with the Montana Statutes relating to the registration of professional engineers and is willing to furnish such services to the OWNER;

NOW, THEREFORE, in consideration of the terms, conditions, covenants and performance contained herein, or attached and incorporated herein, the parties hereto agree to amend the April 9, 2012 Agreement, corresponding amendments to this Agreement, and all related exhibits as follows:

ARTICLE 1 - SCOPE OF SERVICES. The following items of work listed below are added and amended by the Amendment 25 to Phase I - Design Plans and Specifications, Design Surveys, Design Testing, and AGIS.

For Phase II – Construction Phase, Amendment 25 includes all of the items defined in the original Agreement, plus the following item of work: The ENGINEER shall provide Construction Layout services in accordance with the Master Agreement. Construction Layout includes, but is not limited to, field marking of the following: lines, offsets, pipe inverts, material quantities, preliminary grades, and finished grades, and their associated staking notes. The ENGINEER shall provide the Contractor with a copy of the staking notes in a timely manner.

Engineering fees for providing the scope of work are based on the methods described in Article II of the original agreement.

Scope of Work is amended to include the following Item description:

ITEMS DESCRIPTION

Items for Amendment 25 (Twenty-Five):

1. **AIP 054-2016 West Taxilane and Ramp Construction.** Provide plans and specifications for construction of new asphalt taxilane and ramp. The taxilane and ramp construction includes: concrete removal, new asphalt taxilane, new asphalt ramp area, new service road, new emergency access road, and water modifications. This project shall also include design report, construction operation phasing plan, and 7460. In addition to the pavement construction, this project includes an as-built AGIS survey according to AC 150/5300-18B for As Built Field Data Collection.
2. The AIP 054-2016 West Taxilane and Ramp Construction project includes fulltime Construction Oversight for the above project. The new pavement section consists of 8 inches of asphalt on 19 inches of base course on 12 inches of three inch minus (P-154) over compacted subgrade.

Phase I

Phase I work items listed above:

It included preparation of design plans and specifications for the proposed construction projects as described above.

Phase II

Phase II work will include providing Construction Administration, Construction Layout, Resident Project Representative (Inspector), and Project Closeout for items identified as Phase I design work.

ARTICLE II - ENGINEERING FEES

The items discussed above are finalized items of work that the Owner and AIP will fund.

Phase I – Design Specifications

Preparation of design plans and specifications for Phase I, for Amendment 25 will be accomplished for a lump sum fee of \$109,001 as per the Method A - Fee Determination as outlined in the original Agreement dated April 9, 2012. See Tables 1A for engineering budgets.

Phase II - Construction Phase.

The items discussed above involve the Phase II, Items For Amendment 25 scope of services and will be accomplished at a cost plus fixed fee with a ceiling price not to exceed \$128,469 as per Method B - Fee Determination outlined below. See Table 2A for engineering budgets.

COST SUMMARY OF
Amendment No. 25

Description		Labor & Expenses	Fixed Fee	Total Phase I	Total Phase II
Amendment No. 25					
 <u>AIP 054-2016</u>					
PHASE 1 - Design - ITEM 1	TABLE 1A	\$95,723	\$13,278	\$109,001	
PHASE II - Construction Admin. - ITEM 1	TABLE 2A	\$112,941	\$15,528		\$128,470
Subtotal Item 1		\$208,664	\$28,807		
Total This Amendment					\$237,471

TABLE 1A

**Amendment No. 25
ENGINEERING BUDGET
PHASE 1 - Design - ITEM 1**

Engineering Services PHASE 1 - Design - ITEM 1	Total Man-hours	Labor Rate	Total
Professional Services for AIP 054-2016	914	\$96.85	\$88,522
Total MU Labor			\$88,522
Expenses			
Company Vehicle		\$368	
Commuting, Travel		\$0	
Technology Charge		\$3,940	
Vehicle		\$710	
Per diem		\$0	
Per diem		\$0	
Equipment Charges		\$183	
Professional Charges		\$2,000	
Printing, Copies		\$0	
Telephone, FAX		\$0	
Photos, Etc		\$0	
Freight, Postage		\$0	
Project Supplies		\$0	
SUBTOTAL		\$7,201	
Total MU Labor			\$88,522
Total Direct Expenses			<u>\$7,201</u>
Total MU Labor & Expenses			\$95,723
Fixed Fee			<u>\$13,278</u>
Total Lump Sum for Design Phase			\$109,001

* Figure is rounded

TABLE 2A

**Amendment No. 25
ENGINEERING BUDGET
PHASE II - Construction Admin. - ITEM 1**

Engineering Services PHASE II - Construction Admin. - ITEM 1	Total Man-hours	Labor Rate	Total
Professional Services AIP 054-2016	932	\$111.08	\$103,523
Total MU Labor			\$103,523
Expenses			
Company Vehicle		\$591	
Commuting, Travel		\$0	
Technology Charge		\$4,555	
Vehicle		\$3,555	
Per diem		\$0	
Per diem		\$0	
Equipment Charges		\$477	
Professional Charges		\$0	
Printing, Copies		\$150	
Telephone, FAX		\$0	
Photos, Etc		\$0	
Freight, Postage		\$0	
Project Supplies		\$90	
SUBTOTAL		\$9,418	
Total MU Labor			\$103,523
Total Direct Expenses			\$9,418
Total MU Labor & Expenses			\$112,941
Fixed Fee			\$15,528
Total Cost Plus Fixed Fee for Construction Phase			\$128,470

* Figure is rounded

IN WITNESS WHEREOF, the parties hereto have made and executed the Amendment No. 25 this _____ day of May, 2016.

CONSULTANT

Morrison-Maierle, Inc.

BY: Carl J. Anderson

DATE: 4/29/16

OWNER

City of Billings

BY: _____

DATE: _____



ATTEST:

BY: _____
City Clerk

APPROVED AS TO FORM:

BY: _____
City Attorney

Summary of Agreements for Professional Engineering Services

Description		Labor & Expenses	Fixed Fee	Total
Amendment No. 1 <u>Plunge Pool & Lot Survey</u>				
PHASE I - DESIGN - ITEM 1	TABLE 1a	\$55,252	\$6,101	\$61,353
PHASE II - CONSTRUCTION - ITEM 1	TABLE 2a	\$44,237	\$5,455	\$49,692
		\$99,489	\$11,556	
Amendment No. 1 <u>Ponds A, B, and C Ponds</u>				
PHASE I - DESIGN - ITEM 2	TABLE 1b	\$23,164	\$3,212	\$26,376
PHASE II - CONSTRUCTION - ITEM 2	TABLE 2b	\$23,984	\$3,259	\$27,243
Subtotal Item 2		\$47,148	\$6,471	
TOTAL Amendment No. 1		\$146,637	\$18,027	\$164,664
Amendment No. 2 <u>Airfield Maintenance Equipment</u>				
PHASE I - DESIGN - ITEM 1	Table 1a	\$28,706	\$3,953	\$32,659
PHASE II - CONSTRUCTION - ITEM 1	Table 2a	\$0	\$0	\$0
Pavement Condition Index Study				
PHASE I - Design - ITEM 1	TABLE 1A	\$47,071	\$6,539	\$53,609
PHASE II - Construction Admin. - ITEM 1	TABLE 2A	\$0	\$0	\$0
TOTAL Amendment No. 2		\$75,777	\$10,492	\$86,268
Amendment No. 3 <u>2012 Miscellaneous Improvements</u>				
PHASE I - DESIGN - ITEM 1	TABLE 1a	\$37,713	\$5,229	\$42,942
PHASE II - CONSTRUCTION - ITEM 1	TABLE 2a	\$43,240	\$5,750	\$48,990
TOTAL Amendment No. 3		\$80,952	\$10,979	\$91,931
Amendment No. 4 <u>PFC Airport Wheel Loader</u>				
PHASE I - Design - ITEM 1	TABLE 1A	\$3,352	\$417	\$3,769
PHASE II - Construction Admin. - ITEM 1	TABLE 2A	\$0	\$0	\$0
TOTAL Amendment No. 4		\$3,352	\$417	\$3,769
Amendment No. 5 <u>2013 AIP-44 CA</u>				
PHASE I - DESIGN - ITEM 1	TABLE 1a	\$69,317	\$9,246	\$78,562
PHASE II - CONSTRUCTION - ITEM 1	TABLE 2a	\$415,893	\$53,995	\$469,888
TOTAL Amendment No. 5		\$485,209	\$63,241	\$548,450
Amendment No. 6 <u>Slot 4 - PCC Construction</u>				
PHASE I - DESIGN - ITEM 1	TABLE 1a	\$163,094	\$22,453	\$185,547
PHASE II - CONSTRUCTION - ITEM 1	TABLE 2a	\$135,941	\$18,061	\$154,003
TOTAL Amendment No. 6		\$299,035	\$40,515	\$339,550
Amendment No. 7 <u>2014 Miscellaneous Improvements</u>				
PHASE I - DESIGN - ITEM 1	TABLE 1a	\$24,228	\$3,040	\$27,268
PHASE II - CONSTRUCTION - ITEM 1	TABLE 2a	\$28,954	\$3,872	\$32,826
TOTAL Amendment No. 7		\$53,182	\$6,911	\$60,094
Amendment No. 8 <u>Pond D Expand - Outfall Routing Study</u>				
PHASE I - DESIGN/STUDY - ITEM 1	TABLE 1a	\$50,635	\$7,065	\$57,700
PHASE II - CONSTRUCTION - ITEM 1	TABLE 2a	\$0	\$0	\$0
TOTAL Amendment No. 8		\$50,635	\$7,065	\$57,700
Amendment No. 9 <u>Employee P-Lot</u>				
PHASE I - DESIGN - ITEM 1	TABLE 1a	\$44,581	\$5,980	\$50,561
PHASE II - CONSTRUCTION - ITEM 1	TABLE 2a	\$69,893	\$9,384	\$79,277
TOTAL Amendment No. 9		\$114,474	\$15,364	\$129,838
Amendment No. 10 <u>AIP 046-2014 Apron Construction</u>				
PHASE I - DESIGN - ITEM 1	TABLE 1a	\$83,709	\$11,868	\$95,577
PHASE II - CONSTRUCTION - ITEM 1	TABLE 2a	\$85,259	\$11,442	\$96,701
TOTAL Amendment No. 10		\$168,968	\$23,310	\$192,278

Amendment No. 11	West Transfer Parking Lot & Terminal Circle Road			
PHASE I - Design - ITEM 1	TABLE 1A	\$49,919	\$6,573	\$56,492
PHASE II - Construction Admin. - ITEM 1	TABLE 2A	\$65,110	\$8,622	\$73,732
TOTAL Amendment No. 11		\$115,029	\$15,195	\$130,224
Amendment No. 12	AIP 048 - Land, Runway 10R EA			
PHASE I - Design - ITEM 1	TABLE 1A	\$0	\$0	\$0
PHASE II - EA - ITEM 1	TABLE 2A	\$131,204	\$17,782	\$148,986
TOTAL Amendment No. 12		\$131,204	\$17,782	\$148,986
Amendment No. 13	Wetland, Survey & Flood Plane Analysis			
PHASE I - Design - ITEM 1	TABLE 1A	\$38,869	\$5,378	\$44,247
PHASE II - EA - ITEM 1	TABLE 2A	\$0	\$0	\$0
TOTAL Amendment No. 13		\$38,869	\$5,378	\$44,247
Amendment No. 14	Lights-Fence Transfer Lot			
PHASE I - Design - ITEM 1	TABLE 1A	\$13,774	\$1,876	\$15,650
PHASE II - EA - ITEM 1	TABLE 2A	\$17,749	\$2,339	\$20,088
TOTAL Amendment No. 14		\$31,523	\$4,215	\$35,738
Amendment No. 15	Ponds A, B, C Fence			
PHASE I - Design - ITEM 1	TABLE 1A	\$12,820	\$1,731	\$14,551
PHASE II - EA - ITEM 1	TABLE 2A	\$10,818	\$1,404	\$12,222
TOTAL Amendment No. 15		\$23,638	\$3,135	\$26,773
Amendment No. 16	2015 Parking Lot Improvements			
PHASE I - Design - ITEM 1	TABLE 1A	\$33,173	\$4,591	\$37,764
PHASE II - EA - ITEM 1	TABLE 2A	\$64,600	\$8,683	\$73,283
TOTAL Amendment No. 16		\$97,773	\$13,274	\$111,047
Amendment No. 17	Pond D Permitting for Storm Drainage Improvements			
PHASE I - Design - ITEM 1	TABLE 1A	\$27,579	\$3,948	\$31,527
PHASE II - EA - ITEM 1	TABLE 2A	\$0	\$0	\$0
TOTAL Amendment No. 17		\$27,579	\$3,948	\$31,527
Amendment No. 18	AIP 049-2015 Ramp Construction			
PHASE I - Design - ITEM 1	TABLE 1A	\$82,152	\$11,626	\$93,778
PHASE II - EA - ITEM 1	TABLE 2A	\$85,694	\$11,605	\$97,299
TOTAL Amendment No. 18		\$167,846	\$23,231	\$191,077
Amendment No. 19	Pavement Condition Index			
PHASE I - Design - ITEM 1	TABLE 1A	\$53,018	\$7,392	\$60,410
PHASE II - EA - ITEM 1	TABLE 2A	\$0	\$0	\$0
TOTAL Amendment No. 19		\$53,018	\$7,392	\$60,410
Amendment No. 20	AIP 050-2015 Storm Drain Tunneling			
PHASE I - Design - ITEM 1	TABLE 1A	\$105,414	\$14,930	\$120,344
PHASE II - EA - ITEM 1	TABLE 2A	\$60,695	\$8,260	\$68,955
TOTAL Amendment No. 20		\$166,109	\$23,190	\$189,299
Amendment No. 21	AIP 050-2015 Taxilane Construction			
PHASE I - Design - ITEM 1	TABLE 1A	\$41,816	\$5,908	\$47,724
PHASE II - EA - ITEM 1	TABLE 2A	\$38,545	\$5,302	\$43,847
TOTAL Amendment No. 21		\$80,361	\$11,210	\$91,571
Amendment No. 22	AIP 050-2015 Storm Drain Tunneling CA			
PHASE I - Design - ITEM 1	TABLE 1A	\$0	\$0	\$0
PHASE II - EA - ITEM 1	TABLE 2A	\$32,116	\$4,369	\$36,485
TOTAL Amendment No. 22		\$32,116	\$4,369	\$36,485
Amendment No. 23	AIP 050-2015 Pond D Storm Sytem			
PHASE I - Design - ITEM 1	TABLE 1A	\$257,789	\$36,416	\$294,205
PHASE II - EA - ITEM 1	TABLE 2A	\$0	\$0	\$0
TOTAL Amendment No. 23		\$257,789	\$36,416	\$294,205
Amendment No. 24	AIP 052-2016 Pond D Storm Sytem			
PHASE I - Design - ITEM 1	TABLE 1A	\$0	\$0	\$0
PHASE II - EA - ITEM 1	TABLE 2A	\$314,170	\$43,098	\$357,268
TOTAL Amendment No. 24		\$314,170	\$43,098	\$357,268

Amendment No. 25	AIP 054-2016 West Taxilane and Ramp Construction			
PHASE I - Design - ITEM 1	TABLE 1A	\$95,723	\$13,278	\$109,001
PHASE II - EA - ITEM 1	TABLE 2A	\$112,941	\$15,528	\$128,469
TOTAL Amendment No. 25		\$208,664	\$28,806	\$237,470
Sum Total All Amendments				\$3,660,869