HLA
Engineering and Land Surveying, Inc.

November 7, 2018

City of Yakima
Yakima Air Terminal
2406 West Washington Avenue, Suite B
Yakima, WA 98903

Attn: Mr. Robert Peterson
Airport Director

Re: City of Yakima
Yakima Air Terminal
ALPHA TAXIWAY REHABILITATION
Progress Estimate 9: A.I.P. NO.: 3-53-0089-40
HLA Project No.: 11049C

Dear Mr. Peterson:

Enclosed is Progress Estimate No. 9 for work performed by Columbia Asphalt & Gravel, Inc., through October 31, 2018, in connection with their contract on the above referenced project. Progress Estimate 9 shall be reimbursed through A.I.P. No.: 3-53-0089-40. The total amount due the Contractor of $64,385.74 is net, per the contract documents. Columbia Asphalt & Gravel, Inc., has provided a Retainage Bond in lieu of retainage withheld. We have received Certified Payrolls through December 2, 2017 from Columbia Asphalt & Gravel, Inc., and subcontractors. We recommend this Progress Estimate be considered and approved by the City of Yakima.

Please contact this office if you have questions or if we may furnish additional information.

Very truly yours,

Stephanie J Ray

Stephanie J. Ray, PE

SJR/crf

Enclosures

copy: Steve Sali, Columbia Asphalt & Gravel, Inc. (Email)
Caroline Fitzsimmons, HLA (Email, Hard Copy)
Mike Uhlman, PE, HLA (Email, Hard Copy)
FAA Closeout File (Hard Copy)

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City of Yakima
Yakima Air Terminal
2406 West Washington Avenue, Suite B
Yakima, WA 98903

ALPHA TAXIWAY REHABILITATION
A.I.P. NO.: 3-53-0089-37 (FY 14) / 3-53-0089-40
HLA Project No.: 11049C

TO: Columbia Asphalt & Gravel, Inc.
P.O. Box 9337
Yakima, WA 98909

Progress Estimate No.: 9

Date: October 31, 2018

Item No.	Description	Unit	Contract Quantity	Unit Price	Estimate 9 Quantity	Quantity to Date	Amount	Contract Quantity
BID SCHEDULE A - ALPHA TAXIWAY IMPROVEMENTS (PHASES 1-5)								
1	Mobilization	LS	1	$405,000.00	0%	100%	$405,000.00	100%
2	Temporary Flagging, Marking and Signing	LS	1	$240,000.00	0%	100%	$240,000.00	100%
3	Clearing and Grubbing, P-151	LS	1	$21,500.00	0%	100%	$21,500.00	100%
4	Remove and Replace Existing Regulator	LS	1	$16,000.00	0%	100%	$16,000.00	100%
5	Remove and Reinstall High Intensity Runway Light	EA	10	$300.00	0	10	$3,000.00	100%
6	Remove Pull Hole	EA	2	$540.00	0	2	$1,080.00	100%
7	Remove Medium Intensity Taxiway Light	EA	214	$48.00	0	214	$10,272.00	100%
8	Remove Medium Intensity Taxiway Light Base Can	EA	78	$150.00	0	215	$32,250.00	276%
9	Abandon Medium Intensity Taxiway Light Base Can	EA	133	$150.00	0	0	$0.00	0%
10	Reuse Medium Intensity Taxiway Light Base Can	EA	3	$55.00	0	3	$165.00	100%
11	Install New Medium Intensity Taxiway Light, L-861T(L) With Base Can	EA	243	$1,600.00	0	248	$396,800.00	102%
12	Install New Medium Intensity Taxiway Light, L-861T(L) in Existing Base Can	EA	3	$490.00	0	4	$1,960.00	133%
13	Conductor, L-824, 5kV	LF	35,000	$1.30	0	35,578	$46,251.40	102%
14	2 Inch Electrical Conduit, L-110	LF	13,250	$3.50	0	18,703	$65,460.50	141%
15	4 Inch Electrical Conduit, L-110	LF	6,500	$6.50	0	0	$0.00	0%
16	Trench Surfacing Removal and Repair, Type 1	SY	70	$150.00	0	0	$0.00	0%
17	Trench Surfacing Removal and Repair, Type 2	SY	450	$150.00	0	16	$2,400.00	4%
18	Trench Surfacing Removal and Repair, Type 3	SY	180	$115.00	0	0	$0.00	0%
19	Trench Surfacing Removal and Repair, Type 5	SY	360	$110.00	0	0	$0.00	0%
20	Trench Surfacing Removal and Repair, Type 6	SY	860	$120.00	0	257	$30,840.00	30%
21	Trench Surfacing Removal and Repair, Type 7	SY	200	$120.00	0	84	$10,080.00	42%
22	Trench Surfacing Removal and Repair, Type 8	SY	80	$130.00	0	0	$0.00	0%
23	Trench Surfacing Removal and Repair, Type 9	SY	80	$130.00	0	0	$0.00	0%
24	Trench Surfacing Removal and Repair, Type 10	SY	60	$150.00	0	0	$0.00	0%
25	Electrical Conduit Trenching, Bedding and Backfill, L-110	LF	19,000	$9.00	0	17,330	$155,970.00	91%
26	Electrical Duct Bank, Type 1, L-110	LF	2,150	$32.00	0	497	$15,904.00	23%
27	Electrical Duct Bank, Type 3, L-110	LF	960	$40.00	0	0	$0.00	0%
28	Electrical Duct Bank, Type 4, L-110	LF	85	$45.00	0	0	$0.00	0%
29	Electrical Duct Bank, Type 5, L-110	LF	390	$50.00	0	45	$2,250.00	12%
30	Electrical Duct Bank, Type 6, L-110	LF	1,650	$21.00	0	732	$15,372.00	44%

Item No.	Description	Unit	Contract Quantity	Unit Price	Estimate 9 Quantity	Quantity to Date	Amount	Contract Quantity
31	New 1-Module Sign, L-858	EA	7	$3,300.00	0	9	$29,700.00	129%
32	New 2-Module Sign, L-858	EA	21	$4,300.00	0	15	$64,500.00	71%
33	New 3-Module Sign, L-858	EA	23	$5,600.00	0	25	$140,000.00	109%
34	Remove Existing Lighted Sign	EA	50	$190.00	0	50	$9,500.00	100%
35	Remove Existing Lighted Sign Base	EA	41	$205.00	0	31	$6,355.00	76%
36	Electrical Junction Structure, L-115	EA	2	$5,700.00	0	1	$5,700.00	50%
37	Miscellaneous Electrical System Improvements	LS	1	$25,000.00	0%	100%	$25,000.00	100%
38	Adjust Drainage Structure	EA	1	$2,100.00	0	1	$2,100.00	100%
39	Existing Electrical Manhole/Junction Structure Elevation Adjustment, L-115	EA	38	$550.00	0	21	$11,550.00	55%
40	Remove Existing Structure	EA	4	$130.00	0	2	$260.00	50%
41	Replace Frame and Grate	EA	52	$1,780.00	0	52	$92,560.00	100%
42	Cold Planing, P-101	SY	109,200	$3.50	0	97,651	$341,778.50	89%
43	Unclassified Excavation Incl. Haul, P-152	CY	20,900	$14.00	0	18,050	$252,700.00	86%
44	Crushed Aggregate Base Course, P-209	TON	28,850	$23.00	0.00	29,977.72	$689,487.56	104%
45	*Bituminous Surface Course, P-401	TON	28,750	$93.00	0.00	28,660.87	$2,665,460.91	100%
46	Temporary Painting, P-620 (1 Coat)	SF	44,300	$1.70	0	38,170	$64,889.00	86%
47	Permanent Painting, P-620 (2 Coats)	SF	86,600	$1.15	0	77,414	$89,026.10	89%
48	Permanent Painting, P-620 (1 Coat Black)	SF	85,000	$0.50	0	23,781	$11,890.50	28%
49	Retroreflective Sign, L-858	EA	4	$1,200.00	0	4	$4,800.00	100%
50	Stop Sign, R1-1	EA	7	$290.00	0	7	$2,030.00	100%
51	Do Not Proceed Sign, 24"x12"	EA	7	$225.00	0	7	$1,575.00	100%
52	Retroreflective Markers, L-853	EA	17	$81.00	0	17	$1,377.00	100%
53	Crack Filling (Greater than 3/8-Inch)	LF	5,625	$0.60	0	14,619	$8,771.40	260%
54	Crack Sealing (Less than 3/8-Inch)	LF	106,625	$0.40	0	111	$44.40	0%
55	Seeding, Fertilizing, and Mulching	AC	3	$6,700.00	0	0.41	$2,772.00	14%
					SCHEDULE A, SUBTOTAL		$5,996,382.27	
BID SCHEDULE B - ALPHA TAXIWAY EDGE TO NON-MOVEMENT LINE (PHASES 1-5)								
56	Mobilization	LS	1	$17,000.00	0%	100%	$17,000.00	100%
57	Temporary Flagging, Marking and Signing	LS	1	$11,000.00	0%	100%	$11,000.00	100%
58	Adjust Drainage Structure	EA	1	$2,200.00	0	1	$2,200.00	100%
59	Existing Electrical Manhole/Junction Structure Elevation Adjustment, L-115	EA	4	$550.00	0	1	$550.00	25%
60	Remove Existing Structure	EA	1	$520.00	0	0	$0.00	0%
61	Replace Frame and Grate	EA	3	$1,700.00	0	3	$5,100.00	100%
62	Cold Planing, P-101	SY	16,350	$3.50	0	20,730	$72,555.00	127%
63	*Bituminous Surface Course, P-401	TON	1,950	$101.00	0.00	1,950.00	$196,950.00	100%
64	Temporary Painting, P-620 (1 Coat)	SF	3,875	$4.00	0	3,523	$14,092.00	91%
65	Permanent Painting, P-620 (2 Coats)	SF	7,750	$1.45	0	7,046	$10,216.70	91%
66	Permanent Painting, P-620 (1 Coat Black)	SF	9,700	$0.70	0	5,026	$3,518.20	52%
67	Crack Filling (Greater than 3/8-Inch)	LF	13,300	$1.30	0	4,043	$5,255.90	30%
68	Crack Sealing (Less than 3/8-Inch)	LF	18,350	$0.40	0	479	$191.60	3%
					SCHEDULE B, SUBTOTAL		$338,629.40	

Item No.	Description	Unit	Contract Quantity	Unit Price	Estimate 9 Quantity	Quantity to Date	Amount	Contract Quantity
BID SCHEDULE C - NON-ALPHA TAXIWAY AIRFIELD SIGN IMPROVEMENTS (PHASE 6)								
69	Mobilization	LS	1	$1,800.00	0%	100%	$1,800.00	100%
70	Temporary Flagging, Marking and Signing	LS	1	$8,000.00	0%	100%	$8,000.00	100%
71	Clearing and Grubbing, P-151	LS	1	$10,000.00	0%	100%	$10,000.00	100%
72	Remove Existing Lighted Sign	EA	25	$190.00	0	25	$4,750.00	100%
73	Remove Existing Lighted Sign Base	EA	10	$205.00	0	10	$2,050.00	100%
74	Conductor, L-824, 5kV	LF	5,850	$1.30	0	5,393	$7,010.90	92%
75	2-Inch Electrical Conduit, L-110	LF	2,770	$3.50	0	2,770	$9,695.00	100%
76	Electrical Conduit Trenching, Bedding and Backfill, L-110	SY	2,770	$9.00	0	2,770	$24,930.00	100%
77	New 1-Module Sign, L-858	EA	3	$3,300.00	0	3	$9,900.00	100%
78	New 2-Module Sign, L-858	EA	11	$4,300.00	0	11	$47,300.00	100%
79	New 3-Module Sign, L-858	EA	11	$5,600.00	0	11	$61,600.00	100%
80	Retroreflective Sign, L-858	EA	2	$1,200.00	0	2	$2,400.00	100%
81	Stop Sign, R1-1	EA	2	$290.00	0	2	$580.00	100%
82	Do Not Proceed Sign, 24"x12"	EA	2	$225.00	0	2	$450.00	100%
83	ILS Critical Area Sign, 24"x12"	EA	1	$290.00	0	1	$290.00	100%
					SCHEDULE C, SUBTOTAL		$190,755.90	
BID SCHEDULE D - NON-ALPHA TAXIWAY MARKING IMPROVMENTS (PHASE 7)								
84	Mobilization	LS	1	$540.00	0%	100%	$540.00	100%
85	Temporary Flagging, Marking and Signing	LS	1	$9,000.00	0%	100%	$9,000.00	100%
86	Permanent Painting, P-620 (2 Coats)	SF	130,450	$0.75	0	107,652	$80,739.00	83%
87	Permanent Painting, P-620 (1 Coat Black)	SF	4,250	$0.70	0	1,324	$926.80	31%
					SCHEDULE D, SUBTOTAL		$91,205.80	
BID SCHEDULE A - CHANGE ORDER NO. 2								
2-1	Additional Quantity of Unclassified Excavation Inc. Haul, P-152, in Areas Over Optimum Moisture	CY	13,500	$21.08	0	11,582	$244,148.56	86%
2-2	Geotextile Fabric	SY	40,500	$2.00	0	38,697	$77,394.00	96%
2-3	Foundation Rock	TON	25,000	$33.00	0.00	19,370.31	$639,220.23	77%
2-4	Cost for Additional Depth of Excavation and Conduit Modifications for Foundation Rock	LF	13,250	$3.20	0	14,175	$45,360.00	107%
2-5	Moisture Investigation for Sub-grade Conditions	LS	1	$5,025.00	0%	200%	$10,050.00	200%
					CHANGE ORDER 2, SUBTOTAL		$1,016,172.79	
BID SCHEDULE A, C AND D - CHANGE ORDER NO. 3								
3-1	New 1-Module Sign, L-858 - Schedule A	EA	2	($3,300.00)	0	2	($6,600.00)	100%
3-2	Remove Existing Structure - Schedule A	EA	1	$130.00	0	1	$130.00	100%
3-3	Temporary Painting, P-620 (1 Coat) - Schedule A	SF	340	$1.70	0	335	$569.50	99%
3-4	Permanent Painting, P-620 (2 Coats - Schedule A	SF	670	$1.15	0	670	$770.50	100%
3-5	New 1-Module Sign, L-858 - Schedule C	EA	1	($3,300.00)	0	1	($3,300.00)	100%
3-6	Permanent Painting, P-620 (2 Coats) - Schedule D	SF	1,800	$0.75	0	1,800	$1,350.00	100%
3-7	CO 03 - Paint Removal - Schedule D	SF	370	$0.50	0	370	$185.00	100%
					CHANGE ORDER 3, SUBTOTAL		($6,895.00)	

Item No.	Description	Unit	Contract Quantity	Unit Price	Estimate 9 Quantity	Quantity to Date	Amount	Contract Quantity
BID SCHEDULE A - CHANGE ORDER NO. 4								
4-1	Remove and Dispose of Existing Conduit	LS	1	$28,874.99	0%	100%	$28,874.99	100%
					CHANGE ORDER 4, SUBTOTAL		$28,874.99	
BID SCHEDULE A - CHANGE ORDER NO. 5								
5-1	Vault Lid	LS	1	$4,533.64	0%	100%	$4,533.64	100%
5-2	Sign Base Adjustment	LS	1	$3,998.02	0%	100%	$3,998.02	100%
5-3	Relocation of Sign Base B5	LS	1	$1,122.68	0%	100%	$1,122.68	100%
5-4	Sign Manufacturer Required Grounding	LS	1	$20,101.04	0%	100%	$20,101.04	100%
5-5	Concrete Obstruction Removal	LS	1	$657.01	0%	100%	$657.01	100%
5-6	Temporary Utility Vault Installation	LS	1	$11,563.73	0%	100%	$11,563.73	100%
5-7	Sign Base A16 and A23 Relocation	LS	1	$4,169.72	0%	100%	$4,169.72	100%
5-8	In-Pavement Runway Lights	LS	1	$19,751.99	0%	100%	$19,751.99	100%
5-9	Relocation of Sign Base B26	LS	1	$518.03	0%	100%	$518.03	100%
					CHANGE ORDER 5, SUBTOTAL		$66,415.86	
BID SCHEDULE A - CHANGE ORDER NO. 6								
6-1	Taxiway Light Can Relocation	LS	1	$2,187.76	0%	100%	$2,187.76	100%
					CHANGE ORDER 6, SUBTOTAL		$2,187.76	
BID SCHEDULE A - CHANGE ORDER NO. 7								
7-1	30 kW Constant Current Regulator	LS	1	$35,091.08	100%	100%	$35,091.08	100%
7-2	Runway Distance Remaining Signs	EA	5	$4,883.03	5	5	$24,415.15	100%
					CHANGE ORDER 7, SUBTOTAL		$59,506.23	

Item No.	Description	Unit	Contract Quantity	Unit Price	Estimate 9 Quantity	Quantity to Date	Amount	Contract Quantity
						SUBTOTAL, WORK TO DATE	$7,783,236.00	
						PLUS MATERIALS ON HAND	$0.00	
						SUBTOTAL AMOUNTS	$7,783,236.00	
						8.2% STATE SALES TAX	$638,225.35	
						**CHANGE ORDER NO. 2 ADDITIONAL BOND COST	$6,084.00	
						TOTAL	$8,427,545.35	
						LESS AMOUNTS PREVIOUSLY PAID	$8,363,159.61	
						AMOUNT NOW DUE	$64,385.74	

* Per Plan, less profilograph credit.

** Additional Bond cost was reduced to account for actual costs based on bonding company documentation received August 31, 2016. There is an adjustment credit of $6,910.82.

Progress Estimate No. 1	$	126,635.49
Progress Estimate No. 2	$	1,981,024.44
Progress Estimate No. 3	$	1,527,863.14
Progress Estimate No. 4A	$	1,427,577.24
Progress Estimate No. 4B	$	395,063.84
Progress Estimate No. 5	$	2,205,233.04
Progress Estimate No. 6	$	572,057.85
Progress Estimate No. 7	$	22,232.72
Progress Estimate No. 8	$	105,471.85
Progress Estimate No. 9	$	64,385.74

I hereby certify that the foregoing is a true and correct statement of the work performed under this Contract.

Stephanie J. Ray

Stephanie J. Ray, PE