

Project: 4PR Bid Package #1 Taxiway V and Connectors						Ames Construction Shane Heller shaneheller@amesco.com		Hi-Way Paving, Inc. Michael Boyle mboyle@hiwaypaving.com		Zachry Construction Corp. Kevin Knuettel kevin.knuettel@zachrycorp.com	
Bid Open Date: 05.22.2024 2:00 PM				Estimate		Unit Cost		Unit Cost		Unit Cost	
Description		Quantity	UoM	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
<b>SCHEDULE 1</b>											
1	Flagger	420	HR	0.00	0.00	100.00	42,000.00	54.00	22,680.00	50.00	21,000.00
2	Concrete Crushing/Recycling	20000	TON	0.00	0.00	8.50	170,000.00	14.00	280,000.00	9.00	180,000.00
3	Asphalt Crushing/Recycling	5000	TON	0.00	0.00	5.00	25,000.00	5.00	25,000.00	9.00	45,000.00
4	Underground Utility Location	1	LS	0.00	0.00	25,000.00	25,000.00	60,000.00	60,000.00	70,000.00	70,000.00
5	Utility Potholes	75	EA	0.00	0.00	750.00	56,250.00	700.00	52,500.00	5,000.00	375,000.00
6	Contractor Quality Control Program (CQCP)	1	LS	0.00	0.00	3,160,000.00	3,160,000.00	1,880,000.00	1,880,000.00	4,521,500.00	4,521,500.00
7	Temporary Seeding and Mulching	204200	SY	0.00	0.00	1.00	204,200.00	0.80	163,360.00	1.00	204,200.00
8	Installation and Removal of Silt Fence	19000	LF	0.00	0.00	5.50	104,500.00	5.50	104,500.00	5.50	104,500.00
9	Temporary Stone Construction Entrance	3	EA	0.00	0.00	6,500.00	19,500.00	11,270.00	33,810.00	5,000.00	15,000.00
10	Temporary Sediment Trap	8	EA	0.00	0.00	2,500.00	20,000.00	3,800.00	30,400.00	2,100.00	16,800.00
11	Temporary Sediment Basin With Skimmer	7	EA	0.00	0.00	4,500.00	31,500.00	7,075.00	49,525.00	6,000.00	42,000.00
12	Temporary Riser Sediment Basin With Skimmer	6	EA	0.00	0.00	11,000.00	66,000.00	27,000.00	162,000.00	26,350.00	158,100.00
13	Temporary Rock Check Dam - Type A	47	EA	0.00	0.00	700.00	32,900.00	690.00	32,430.00	500.00	23,500.00
14	Temporary Wattle Check Dam	385	EA	0.00	0.00	125.00	48,125.00	82.00	31,570.00	125.00	48,125.00
15	Temporary Inlet Protection	38	EA	0.00	0.00	395.00	15,010.00	870.00	33,060.00	500.00	19,000.00
16	Temporary Diversion Ditch	2800	LF	0.00	0.00	9.00	23,400.00	5.00	13,000.00	1.50	3,900.00
17	Temporary Silt Sock (12 Inch)	30700	LF	0.00	0.00	7.00	214,900.00	7.00	214,900.00	7.00	214,900.00
18	Temporary Silt Sock (18 Inch)	13300	LF	0.00	0.00	7.00	93,100.00	10.00	133,000.00	10.00	133,000.00
19	Concrete Washout Pit	3	EA	0.00	0.00	1,500.00	4,500.00	1,200.00	3,600.00	15,000.00	45,000.00
20	Temporary Erosion Control Matting	103500	SY	0.00	0.00	2.50	258,750.00	2.00	207,000.00	2.25	232,875.00
21	Temporary Jute Net Baffle	2800	LF	0.00	0.00	7.00	19,600.00	7.00	19,600.00	7.00	19,600.00
22	Turf Reinforcement Matting (TRM)	112500	SY	0.00	0.00	10.00	1,125,000.00	10.00	1,125,000.00	10.00	1,125,000.00
23	Removal of Temporary Sediment Basins Installed Within a Prior Bid Package	2	EA	0.00	0.00	1,000.00	2,000.00	1.00	2,000.00	89,000.00	178,000.00
24	Mobilization / General Conditions	1	LS	0.00	0.00	8,400,000.00	8,400,000.00	8,700,000.00	8,700,000.00	13,900,000.00	13,900,000.00
25	Pavement Removal - Bituminous, Depth Varies	26900	SY	0.00	0.00	2.75	73,975.00	19.00	511,100.00	13.00	349,700.00
26	Pavement Removal - CCP, Depth Varies	20700	SY	0.00	0.00	11.50	238,050.00	16.50	341,550.00	60.00	1,242,000.00
27	Cold Milling	110	SY	0.00	0.00	6.00	660.00	150.00	16,500.00	140.00	15,400.00
28	Removal of Gravel VSR	12300	SY	0.00	0.00	3.00	36,900.00	3.40	41,820.00	9.00	110,700.00
29	Removal of Cement Treated Base Course	20700	SY	0.00	0.00	5.00	103,500.00	6.50	134,550.00	5.00	103,500.00
30	Removal of Existing CCP Pad	40	SY	0.00	0.00	18.00	720.00	43.00	1,720.00	10.00	400.00
31	Removal of Existing CCP Drainage Channel	540	SY	0.00	0.00	18.00	9,720.00	19.00	10,260.00	6.00	3,240.00
32	Removal of Existing Fence	8300	LF	0.00	0.00	8.00	66,400.00	8.00	66,400.00	5.00	41,500.00
33	Removal of Existing Gate	1	EA	0.00	0.00	1,400.00	1,400.00	1,400.00	1,400.00	2,500.00	2,500.00
34	Removal of Existing Riprap	110	SY	0.00	0.00	20.00	2,200.00	20.00	2,200.00	21.00	2,310.00
35	Removal of Existing 6" CPP/PVC	4400	LF	0.00	0.00	12.00	52,800.00	11.00	48,400.00	31.00	136,400.00
36	Removal of Existing 8" CPP	340	LF	0.00	0.00	17.00	5,780.00	34.00	11,560.00	32.00	10,880.00
37	Removal of Existing 18" CPP	30	LF	0.00	0.00	20.00	600.00	30.00	900.00	37.00	1,110.00
38	Removal of Existing 15" CMP	20	LF	0.00	0.00	20.00	400.00	110.00	2,200.00	41.00	820.00
39	Removal of Existing 18" RCP	800	LF	0.00	0.00	20.00	16,000.00	45.00	36,000.00	42.00	33,600.00
40	Removal of Existing 24" RCP	1200	LF	0.00	0.00	20.00	24,000.00	31.00	37,200.00	43.00	51,600.00
41	Removal of Existing 30" RCP	210	LF	0.00	0.00	20.00	4,200.00	27.00	5,670.00	46.00	9,660.00
42	Removal of Existing 32" RCP	400	LF	0.00	0.00	20.00	8,000.00	58.00	23,200.00	47.00	18,800.00
43	Removal of Existing 36" RCP	680	LF	0.00	0.00	25.00	17,000.00	45.00	30,600.00	49.00	33,320.00
44	Removal of Existing 42" RCP	670	LF	0.00	0.00	35.00	23,450.00	45.00	30,150.00	57.00	38,190.00
45	Removal of Existing 48" RCP	890	LF	0.00	0.00	40.00	35,600.00	45.00	40,050.00	62.00	55,180.00
46	Removal of Existing 60" RCP	270	LF	0.00	0.00	40.00	10,800.00	58.00	15,660.00	75.00	20,250.00
47	Removal of Existing Inlets	14	EA	0.00	0.00	500.00	7,000.00	1,400.00	19,600.00	3,000.00	42,000.00
48	Removal of Existing Headwalls	2	EA	0.00	0.00	300.00	600.00	1,050.00	2,100.00	1,800.00	3,200.00
49	Removal of Existing Cleanouts	2	EA	0.00	0.00	90.00	180.00	525.00	1,050.00	560.00	1,120.00
50	Removal of Existing Fixture/Base Can in Shoulder Pavement	69	EA	0.00	0.00	165.00	11,385.00	45.00	3,105.00	150.00	10,350.00
51	Removal of Existing Fixture/Base Can in Full Strength Pavement	101	EA	0.00	0.00	165.00	16,665.00	45.00	4,545.00	150.00	15,150.00
52	Removal of Manhole/Handhole	49	EA	0.00	0.00	950.00	46,550.00	750.00	36,750.00	5,000.00	245,000.00
53	Removal of Existing Conduit in Turf	7900	LF	0.00	0.00	8.00	63,200.00	2.00	15,800.00	100.00	790,000.00
54	Removal of Existing Conduit in Pavement	9600	LF	0.00	0.00	8.00	76,800.00	0.70	6,720.00	150.00	1,440,000.00
55	Removal of Existing Duct Bank in Turf	7800	LF	0.00	0.00	12.00	93,600.00	0.70	5,460.00	200.00	1,560,000.00
56	Removal of Existing Duct Bank in Pavement	1000	LF	0.00	0.00	12.00	12,000.00	0.70	700.00	200.00	200,000.00
57	Removal of Existing Localizer Foundation	1	EA	0.00	0.00	12,200.00	12,200.00	19,000.00	19,000.00	5,000.00	5,000.00
58	Removal of MALSR Foundation	10	EA	0.00	0.00	3,050.00	30,500.00	2,400.00	24,000.00	3,000.00	30,000.00
59	Clearing and Grubbing	10	AC	0.00	0.00	8,500.00	85,000.00	10,000.00	100,000.00	8,500.00	85,000.00
60	Unclassified Excavation	577700	CY	0.00	0.00	14.50	8,376,650.00	15.94	9,208,538.00	26.00	15,020,200.00
61	Unsuitable Excavation	53500	CY	0.00	0.00	6.00	321,000.00	12.25	655,375.00	86.00	4,601,000.00
62	Variable Depth, 20" min. Crushed Aggregate Base Course	61900	SY	0.00	0.00	54.00	3,342,600.00	65.00	4,023,500.00	121.00	7,489,900.00
63	18" Crushed Aggregate Base Course	12600	SY	0.00	0.00	47.50	598,500.00	45.00	567,000.00	95.00	1,197,000.00
64	Crushed Aggregate Base Course (Miscellaneous)	5000	CY	0.00	0.00	90.00	450,000.00	84.00	420,000.00	200.00	1,000,000.00

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65	Separation Geotextile	15000	SY	0.00	0.00	2.00	30,000.00	2.80	42,000.00	9.00	135,000.00
66	6" Cement Treated Soil Base Course	106600	SY	0.00	0.00	7.20	765,360.00	7.40	786,620.00	11.00	1,169,300.00
67	12" Cement Treated Soil Base Course	12600	SY	0.00	0.00	8.95	112,770.00	14.15	178,290.00	13.00	163,800.00
68	6" Cement Treated Aggregate Base Course	116900	SY	0.00	0.00	30.00	3,507,000.00	28.00	3,273,200.00	75.00	8,767,500.00
69	Asphalt Surface Course	3100	TON	0.00	0.00	215.00	666,500.00	189.00	585,900.00	190.00	589,000.00
70	Asphalt Intermediate Course	5900	TON	0.00	0.00	205.00	1,209,500.00	199.00	1,174,100.00	200.00	1,180,000.00
71	18" Cement Concrete Pavement	93200	SY	0.00	0.00	135.00	12,582,000.00	119.25	11,114,100.00	230.00	21,436,000.00
72	18" Cement Concrete Pavement (Reinforced)	18500	SY	0.00	0.00	170.00	3,145,000.00	178.00	3,293,000.00	270.00	4,995,000.00
73	Emulsified Asphalt Tack Coat	7000	GAL	0.00	0.00	8.00	56,000.00	4.00	28,000.00	4.00	28,000.00
74	Joint Sealing Filler (Silicone) - CCP to CCP	97700	LF	0.00	0.00	3.50	341,950.00	3.30	322,410.00	5.00	488,500.00
75	Joint Sealing Filler (Silicone) - CCP to AC	17400	LF	0.00	0.00	3.50	60,900.00	2.60	45,240.00	5.00	87,000.00
76	Isolation Joint	2900	LF	0.00	0.00	8.00	23,200.00	7.00	20,300.00	8.00	23,200.00
77	Paint Removal	7200	SF	0.00	0.00	2.50	18,000.00	1.30	9,360.00	2.50	18,000.00
78	Initial Marking - Half Application Rate (White, Without Beads)	22000	SF	0.00	0.00	1.00	22,000.00	0.80	17,600.00	1.00	22,000.00
79	Initial Marking - Half Application Rate (Yellow, Without Beads)	34000	SF	0.00	0.00	1.00	34,000.00	0.80	27,200.00	1.00	34,000.00
80	Surface Painted Sign (Regardless of Color or Type, Without Beads)	14	EA	0.00	0.00	1,500.00	21,000.00	615.00	8,610.00	1,500.00	21,000.00
81	Final Marking - Full Application Rate (White, With Beads)	22000	SF	0.00	0.00	1.50	33,000.00	1.35	29,700.00	1.50	33,000.00
82	Final Marking - Full Application Rate (Yellow, With Beads)	34000	SF	0.00	0.00	1.50	51,000.00	1.35	45,900.00	1.50	51,000.00
83	Outline Marking (Black, No Beads)	48600	SF	0.00	0.00	1.00	48,600.00	1.15	55,890.00	1.00	48,600.00
84	Surface Painted Sign (Regardless of Color or Type, With Beads)	14	EA	0.00	0.00	2,750.00	38,500.00	770.00	10,780.00	2,750.00	38,500.00
85	Mobile Lighted Closed Runway Markers (Owner-Furnished)	2	EA	0.00	0.00	1,000.00	2,000.00	44,000.00	88,000.00	65,000.00	130,000.00
86	Backup Lighted Closed Runway Markers (Owner-Furnished)	2	EA	0.00	0.00	1,000.00	2,000.00	5,150.00	10,300.00	25,000.00	50,000.00
87	Closed Taxiway Markers (Surface Painted)	5	EA	0.00	0.00	1,500.00	7,500.00	350.00	1,750.00	3,500.00	17,500.00
88	Aviation Barricades	3800	LF	0.00	0.00	50.00	190,000.00	85.00	323,000.00	75.00	285,000.00
89	6-Foot Tall Chain-Link Fence With Barbed Wire and Concertina	2400	LF	0.00	0.00	75.00	180,000.00	77.00	184,800.00	47.00	112,800.00
90	10-Foot Tall Chain-Link Fence With Barbed Wire and Concertina	5000	LF	0.00	0.00	88.00	440,000.00	91.00	455,000.00	113.00	565,000.00
91	Remove and Reinstall Double Swing Gate (Complete)	2	EA	0.00	0.00	4,500.00	9,000.00	9,000.00	18,000.00	3,260.00	6,520.00
92	Anti-Burrow Barrier	7300	LF	0.00	0.00	11.00	80,300.00	11.00	80,300.00	15.00	109,500.00
93	24-inch Class III RCP	350	LF	0.00	0.00	142.00	35,500.00	190.00	47,500.00	171.00	42,750.00
94	36-inch Class III RCP	350	LF	0.00	0.00	205.00	71,750.00	325.00	113,750.00	274.00	95,900.00
95	42-inch Class III RCP	340	LF	0.00	0.00	290.00	98,600.00	370.00	125,800.00	338.00	114,920.00
96	48-inch Class III RCP	930	LF	0.00	0.00	347.00	322,710.00	460.00	427,800.00	409.00	380,370.00
97	54-inch Class III RCP	460	LF	0.00	0.00	475.00	218,500.00	555.00	255,300.00	549.00	252,540.00
98	60-inch Class III RCP	140	LF	0.00	0.00	556.00	77,840.00	935.00	130,900.00	677.00	94,780.00
99	72-inch Class III RCP	450	LF	0.00	0.00	816.00	367,200.00	1,065.00	479,250.00	834.00	375,300.00
100	84-inch Class III RCP	3100	LF	0.00	0.00	1,065.00	3,301,500.00	1,500.00	4,650,000.00	1,515.00	4,696,500.00
101	18-inch Class V RCP	200	LF	0.00	0.00	135.00	27,000.00	220.00	44,000.00	179.00	35,800.00
102	30-inch Class V RCP	70	LF	0.00	0.00	230.00	16,100.00	275.00	19,250.00	260.00	18,200.00
103	36-inch Class V RCP	780	LF	0.00	0.00	265.00	206,700.00	370.00	288,600.00	361.00	281,580.00
104	42-inch Class V RCP	390	LF	0.00	0.00	360.00	140,400.00	455.00	177,450.00	450.00	175,500.00
105	54-inch Class V RCP	430	LF	0.00	0.00	590.00	253,700.00	700.00	301,000.00	727.00	312,610.00
106	60-inch Class V RCP	530	LF	0.00	0.00	645.00	341,850.00	1,020.00	540,600.00	866.00	458,980.00
107	72-inch Class V RCP	360	LF	0.00	0.00	1,000.00	360,000.00	1,185.00	426,600.00	1,111.00	399,960.00
108	84-inch Class V RCP	1700	LF	0.00	0.00	1,200.00	2,040,000.00	1,800.00	3,060,000.00	3,050.00	5,185,000.00
109	96-inch Class V RCP	750	LF	0.00	0.00	1,635.00	1,226,250.00	2,000.00	1,500,000.00	3,100.00	2,325,000.00
110	3-inch Temporary HDPE	480	LF	0.00	0.00	33.00	15,840.00	15.00	7,200.00	85.00	40,800.00
111	24-inch Temporary HDPE	290	LF	0.00	0.00	95.00	27,550.00	40.00	11,600.00	150.00	43,500.00
112	36-inch Temporary HDPE	590	LF	0.00	0.00	145.00	85,550.00	90.00	53,100.00	200.00	118,000.00
113	42-inch Temporary HDPE	300	LF	0.00	0.00	174.00	52,200.00	100.00	30,000.00	250.00	75,000.00
114	24-inch Check Valve	1	EA	0.00	0.00	19,250.00	19,250.00	20,000.00	20,000.00	35,000.00	35,000.00
115	Fill Abandoned Pipe (Flowable Fill)	200	LF	0.00	0.00	78.00	15,600.00	75.00	15,000.00	81.00	16,200.00
116	6-inch Perforated PVC Underdrain, Complete	17800	LF	0.00	0.00	35.00	623,000.00	38.50	685,300.00	110.00	1,958,000.00
117	8-inch Non-Perforated PVC Underdrain, Complete	5100	LF	0.00	0.00	35.00	178,500.00	45.00	229,500.00	142.00	724,200.00
118	Underdrain Cleanout, Type 1	8	EA	0.00	0.00	1,400.00	11,200.00	1,050.00	8,400.00	5,500.00	44,000.00
119	Underdrain Cleanout, Type 2	29	EA	0.00	0.00	1,400.00	40,600.00	1,050.00	30,450.00	7,000.00	203,000.00
120	Underdrain Cleanout, Type 3	11	EA	0.00	0.00	1,750.00	19,250.00	1,220.00	13,420.00	7,000.00	77,000.00
121	Underdrain Cleanout, Type 4	16	EA	0.00	0.00	1,550.00	24,800.00	1,300.00	20,800.00	7,000.00	112,000.00
122	Underdrain Cleanout, Type 5	11	EA	0.00	0.00	1,550.00	17,050.00	1,300.00	14,300.00	7,000.00	77,000.00
123	Non-Aircraft Rated Pre-Cast Drop Inlet (0Ft-10Ft Depth)	4	EA	0.00	0.00	13,500.00	54,000.00	31,000.00	124,000.00	15,000.00	60,000.00
124	Non-Aircraft Rated Pre-Cast Drop Inlet (10Ft-20Ft Depth)	3	EA	0.00	0.00	25,000.00	75,000.00	63,000.00	189,000.00	25,000.00	75,000.00
125	Aircraft Rated Pre-Cast Drop Inlet (0Ft-10Ft Depth)	2	EA	0.00	0.00	46,000.00	92,000.00	78,000.00	156,000.00	75,000.00	150,000.00
126	Aircraft Rated Pre-Cast Drop Inlet (10Ft-20Ft Depth)	1	EA	0.00	0.00	60,000.00	60,000.00	78,000.00	78,000.00	93,000.00	93,000.00
127	Non-Aircraft Rated Manhole (0Ft-10Ft Depth)	1	EA	0.00	0.00	8,000.00	8,000.00	9,000.00	9,000.00	7,100.00	7,100.00
128	Non-Aircraft Rated Manhole (10Ft-20Ft Depth)	2	EA	0.00	0.00	22,000.00	44,000.00	14,000.00	28,000.00	16,000.00	32,000.00
129	Aircraft Rated Cast-in-Place Structure Group A1 (10ft-20ft depth)	1	EA	0.00	0.00	156,000.00	156,000.00	210,450.00	210,450.00	336,000.00	336,000.00

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130	Aircraft Rated Cast-in-Place Structure Group A2 (10ft-20ft depth)	4	EA	0.00	0.00	164,000.00	656,000.00	162,500.00	650,000.00	227,000.00	908,000.00
131	Aircraft Rated Cast-in-Place Structure Group A3 (10ft-20ft depth)	2	EA	0.00	0.00	110,000.00	220,000.00	147,000.00	294,000.00	192,000.00	384,000.00
132	Non-Aircraft Rated Cast-in-Place Structure Group B (20ft-30ft depth)	1	EA	0.00	0.00	100,000.00	100,000.00	162,500.00	162,500.00	180,000.00	180,000.00
133	Non-Aircraft Rated Cast-in-Place Structure Group C1 (10ft-20ft depth)	1	EA	0.00	0.00	62,000.00	62,000.00	113,500.00	113,500.00	133,000.00	133,000.00
134	Non-Aircraft Rated Cast-in-Place Structure Group C2 (10ft-20ft depth)	7	EA	0.00	0.00	110,000.00	770,000.00	100,000.00	700,000.00	104,000.00	728,000.00
135	Non-Aircraft Rated Cast-in-Place Structure Group D (10ft-20ft depth)	4	EA	0.00	0.00	81,000.00	324,000.00	112,000.00	448,000.00	121,000.00	484,000.00
136	Temporary Junction Box with Manhole	1	EA	0.00	0.00	15,000.00	15,000.00	12,000.00	12,000.00	10,000.00	10,000.00
137	Permanent Seeding (Hydroseeding)	60	AC	0.00	0.00	3,872.00	232,320.00	3,872.00	232,320.00	4,000.00	240,000.00
138	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	142500	LF	0.00	0.00	2.00	285,000.00	2.90	413,250.00	1.90	270,750.00
139	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit (RWSL)	21100	LF	0.00	0.00	2.00	42,200.00	2.90	61,190.00	1.90	40,090.00
140	No. 6 AWG, Solid, Bare Counterpoise Wire, Installed in Trench, Above the Duct Bank or Conduit, Including Ground Rods and Connections/Terminations	81900	LF	0.00	0.00	2.15	176,085.00	3.30	270,270.00	2.10	171,990.00
141	No. 6 AWG, Solid, Green Ground, Installed in Duct or Conduit (RWSL or FAA)	10100	LF	0.00	0.00	2.35	23,735.00	2.80	28,280.00	2.30	23,230.00
142	No. 1/0 AWG Stranded Bare Guard Wire Installed in Trench Above Duct Bank or Conduit Including Ground Rods and Connections/Terminations (RWSL or FAA)	27200	LF	0.00	0.00	5.10	138,720.00	12.00	326,400.00	5.00	136,000.00
143	Temporary No. 8 AWG 5 kV L-824 Type C Cable Including Counterpoise with Ground Rods and Connectors Installed and Removed	15300	LF	0.00	0.00	8.60	131,580.00	8.20	125,460.00	8.50	130,050.00
144	12-Strand Fiber Optic Cable, Multimode, Installed in Duct Bank or Conduit (CLT Comm)	7000	LF	0.00	0.00	3.55	24,850.00	2.00	14,000.00	3.50	24,500.00
145	Two (2) 15kW Switchgear CCRs Including ACE-2 Doors \$80,000 Expected as Allowance Item	1	ALW	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00
146	Airfield Lighting Vault Modifications	1	LS	0.00	0.00	5,820.00	5,820.00	19,300.00	19,300.00	5,750.00	5,750.00
147	1 Way 2-inch Conduit Schedule 40 PVC - Concrete Encased in Concrete Pavement	17900	LF	0.00	0.00	23.30	417,070.00	25.00	447,500.00	23.00	411,700.00
148	1 Way 2-inch Conduit Schedule 40 PVC - Concrete Encased in Asphalt Pavement	24300	LF	0.00	0.00	27.40	665,820.00	26.00	631,800.00	27.00	656,100.00
149	1 Way 2-inch Conduit Schedule 40 PVC - Concrete-Encased in Turf	9200	LF	0.00	0.00	16.70	153,640.00	23.00	211,600.00	16.50	151,800.00
150	1 Way 2-inch Drain Conduit Schedule 80 PVC - Non-Encased in Turf	7400	LF	0.00	0.00	11.70	86,580.00	25.00	185,000.00	11.50	85,100.00
151	6 Way 2-inch Duct Bank Schedule 40 PVC - Concrete Encased in Pavement	2300	LF	0.00	0.00	66.00	151,800.00	79.00	181,700.00	65.00	149,500.00
152	6 Way 2-inch Duct Bank Schedule 40 PVC - Concrete Encased in Turf	4400	LF	0.00	0.00	66.00	290,400.00	78.00	343,200.00	65.00	286,000.00
153	10 Way 2-inch Duct Bank Schedule 40 PVC - Concrete Encased in Pavement	150	LF	0.00	0.00	195.00	29,250.00	127.00	19,050.00	192.00	28,800.00
154	10 Way 2-inch Duct Bank Schedule 40 PVC - Concrete Encased in Turf	500	LF	0.00	0.00	200.00	100,000.00	109.00	54,500.00	196.00	98,000.00
155	2 Way 4-inch Duct Bank Schedule 40 PVC - Concrete Encased in Pavement (FAA RWSL)	1500	LF	0.00	0.00	49.00	73,500.00	50.50	75,750.00	48.00	72,000.00
156	2 Way 4-inch Duct Bank Schedule 40 PVC - Concrete Encased in Turf (FAA RWSL)	6300	LF	0.00	0.00	49.00	308,700.00	41.00	258,300.00	48.00	302,400.00
157	4 Way 4-inch Duct Bank Schedule 40 PVC - Concrete Encased in Turf	300	LF	0.00	0.00	77.00	23,100.00	90.50	27,150.00	76.00	22,800.00
158	8 Way 4-inch Duct Bank with 6-inch Separation, Schedule 40 PVC - Concrete Encased in Pavement (CLT)	200	LF	0.00	0.00	233.00	46,600.00	200.00	40,000.00	230.00	46,000.00
159	8 Way 4-inch Duct Bank with 6-inch Separation, Schedule 40 PVC - Concrete Encased in Turf (CLT)	1700	LF	0.00	0.00	233.00	396,100.00	353.00	600,100.00	230.00	391,000.00
160	1-inch Innerduct Corrugated HDPE (CLT Comm)	5800	LF	0.00	0.00	2.15	12,470.00	3.00	17,400.00	2.10	12,180.00
161	1 Way 4-inch Conduit Schedule 40 PVC - Concrete Encased in Turf (FAA)	400	LF	0.00	0.00	49.00	19,600.00	28.00	11,200.00	48.00	19,200.00
162	2 Way 4-inch Conduit Schedule 40 PVC - Concrete Encased in Turf (FAA)	800	LF	0.00	0.00	54.00	43,200.00	41.50	33,200.00	53.00	42,400.00
163	4 Way 4-inch Duct Bank with 3-inch Separation, Schedule 40 PVC - Concrete Encased in Pavement	350	LF	0.00	0.00	77.00	26,950.00	117.00	40,950.00	76.00	26,600.00
164	4 Way 4-inch Duct Bank with 3-inch Separation, Schedule 40 PVC - Concrete Encased in Turf	1800	LF	0.00	0.00	77.00	138,600.00	216.00	388,800.00	76.00	136,800.00
165	8 Way 4-inch Duct Bank with 3-inch Separation, Schedule 40 PVC - Concrete Encased in Pavement	1100	LF	0.00	0.00	175.00	192,500.00	170.00	187,000.00	172.00	189,200.00
166	8 Way 4-inch Duct Bank with 3-inch Separation, Schedule 40 PVC - Concrete Encased in Turf	4200	LF	0.00	0.00	175.00	735,000.00	140.00	588,000.00	172.00	722,400.00
167	1-inch Innerduct Corrugated HDPE (FAA)	88800	LF	0.00	0.00	2.15	190,920.00	3.00	266,400.00	2.10	186,480.00
168	Aircraft Rated Electrical Handhole (Airfield Lighting)	5	EA	0.00	0.00	17,300.00	86,500.00	14,550.00	72,750.00	17,000.00	85,000.00
169	Aircraft Rated Electrical Manhole (FAA RWSL)	12	EA	0.00	0.00	17,300.00	207,600.00	14,750.00	177,000.00	17,000.00	204,000.00
170	Aircraft Rated Communication Manhole (CLT Comm)	5	EA	0.00	0.00	17,300.00	86,500.00	14,860.00	74,300.00	17,000.00	85,000.00
171	Electrical Junction Can, L-867D Junction Can	3	EA	0.00	0.00	1,925.00	5,775.00	1,400.00	4,200.00	1,900.00	5,700.00
172	Electrical Junction Can Plaza, 6-L-867D Junction Cans	20	EA	0.00	0.00	16,920.00	338,400.00	13,024.00	260,480.00	16,715.00	334,300.00
173	Aircraft Rated Handhole (FAA Power and Communications)	35	EA	0.00	0.00	17,210.00	602,350.00	14,426.00	504,910.00	17,000.00	595,000.00
174	Removal of Existing Fixture/Base Can in Turf	1	EA	0.00	0.00	324.00	324.00	51.00	51.00	65.00	65.00
175	Removal of Existing Sign and Foundation	3	EA	0.00	0.00	770.00	2,310.00	424.00	1,272.00	500.00	1,500.00
176	Removal of Existing Sign, Foundation to Remain	1	EA	0.00	0.00	510.00	510.00	424.00	424.00	500.00	500.00
177	Miscellaneous Airfield Electrical Demolition	1	LS	0.00	0.00	45,000.00	45,000.00	21,000.00	21,000.00	42,500.00	42,500.00
178	Temporary Airfield Lighting and Signage	1	LS	0.00	0.00	48,000.00	48,000.00	327,316.00	327,316.00	47,250.00	47,250.00
179	L-804(L) Runway Guard Light, Install in Asphalt Pavement	8	EA	0.00	0.00	6,700.00	53,600.00	6,510.00	52,080.00	6,590.00	52,720.00
180	L-852C(L) Taxiway Centerline Light, Install in Concrete Pavement	119	EA	0.00	0.00	4,415.00	525,385.00	4,020.00	478,380.00	4,360.00	518,840.00
181	L-852C(L) Taxiway Centerline Light, Install in Asphalt Pavement	20	EA	0.00	0.00	4,335.00	86,700.00	4,500.00	90,000.00	4,280.00	85,600.00
182	L-852D(L) Taxiway Centerline Light, Install in Concrete Pavement	28	EA	0.00	0.00	4,510.00	126,280.00	4,110.00	115,080.00	4,455.00	124,740.00
183	L-852K(L) Taxiway Centerline Light, Install in Asphalt Pavement	4	EA	0.00	0.00	4,580.00	18,320.00	4,721.00	18,884.00	4,525.00	18,100.00
184	L-852K(L) Taxiway Centerline Light, Install in Concrete Pavement	51	EA	0.00	0.00	4,660.00	237,660.00	4,640.00	236,640.00	4,600.00	234,600.00
185	RWSL (L-868B Base Can), Install in Concrete Pavement	18	EA	0.00	0.00	3,700.00	66,600.00	3,220.00	57,960.00	3,615.00	65,070.00
186	L-853 Taxiway Edge Retroreflective Marker	28	EA	0.00	0.00	280.00	7,840.00	200.00	5,600.00	275.00	7,700.00
187	L-861T(L) LED Elevated Taxiway Edge Light, Install in Asphalt Shoulder Pavement	207	EA	0.00	0.00	2,800.00	579,600.00	3,400.00	703,800.00	2,760.00	571,320.00
188	L-861T(L) LED Elevated Taxiway Edge Light, Install in Concrete Pavement	13	EA	0.00	0.00	3,825.00	49,725.00	3,600.00	46,800.00	3,775.00	49,075.00
189	L-850C Runway Edge Light, Install in Concrete Pavement	3	EA	0.00	0.00	4,300.00	12,900.00	4,200.00	12,600.00	4,215.00	12,645.00
190	L-862 Runway Edge Light, Install in Asphalt Shoulder Pavement	3	EA	0.00	0.00	2,940.00	8,820.00	4,322.00	12,966.00	2,905.00	8,715.00
191	L-862E Runway Threshold Light, Install in Asphalt Shoulder Pavement	2	EA	0.00	0.00	4,095.00	8,190.00	3,615.00	7,230.00	4,045.00	8,090.00
192	L-858(L) LED Sign, Size 3, 1-Module on New Foundation	4	EA	0.00	0.00	8,400.00	33,600.00	8,800.00	35,200.00	8,280.00	33,120.00
193	L-858(L) LED Sign, Size 3, 2-Module on New Foundation	9	EA	0.00	0.00	11,060.00	99,540.00	10,450.00	94,050.00	10,925.00	98,325.00
194	L-858(L) LED Sign, Size 3, 3-Module on New Foundation	8	EA	0.00	0.00	14,435.00	115,480.00	13,207.00	105,656.00	14,260.00	114,080.00

Project: 4PR Bid Package #1 Taxiway V and Connectors				Estimate		Ames Construction Shane Heller shaneheller@amesco.com		Hi-Way Paving, Inc. Michael Boyle mboyle@hiwaypaving.com		Zachry Construction Corp. Kevin Knuettel kevin.knuettel@zachrycorp.com		
Bid Open Date: 05.22.2024 2:00 PM												
	Description	Quantity	UoM	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
195	L-858(L) LED Sign, Size 3, 4-Module on New Foundation	2	EA	0.00	0.00	18,000.00	36,000.00	15,190.00	30,380.00	17,800.00	35,600.00	
196	L-858(L) LED Sign, Size 3, 5-Module on New Foundation (3 Mod. + 2 Mod.)	7	EA	0.00	0.00	25,500.00	178,500.00	18,725.00	131,075.00	25,100.00	175,700.00	
197	L-858C Unlighted Taxiway End Marker Sign on New Foundation	6	EA	0.00	0.00	5,500.00	33,000.00	2,622.00	15,732.00	5,420.00	32,520.00	
198	Sign Foundation for Size 3, 3 Module	2	EA	0.00	0.00	7,000.00	14,000.00	5,884.00	11,768.00	6,920.00	13,840.00	
199	Sign Foundation for Size 3, 4 Module	6	EA	0.00	0.00	9,200.00	55,200.00	6,136.00	36,816.00	9,025.00	54,150.00	
200	Sign Foundation for Size 3, 5 Module (3 Mod. + 2 Mod.)	2	EA	0.00	0.00	13,000.00	26,000.00	6,583.00	13,166.00	12,690.00	25,380.00	
201	Extend Existing Sign Foundation and Install New 4-Module Sign	1	EA	0.00	0.00	14,000.00	14,000.00	12,543.00	12,543.00	13,660.00	13,660.00	
202	L-867B Blank Base Can with 5/8" Steel Cover, Install in Asphalt Shoulder Pavement	104	EA	0.00	0.00	2,510.00	261,040.00	1,786.00	185,744.00	2,475.00	257,400.00	
203	L-868B Blank Base Can with 3/4" Steel Cover, Install in Asphalt Pavement	3	EA	0.00	0.00	3,300.00	9,900.00	2,388.00	7,164.00	3,250.00	9,750.00	
204	L-868B Blank Base Can with 3/4" Steel Cover, Install in Concrete Pavement	217	EA	0.00	0.00	3,300.00	716,100.00	2,307.00	500,619.00	3,250.00	705,250.00	
205	ALCMS Modifications (Manufacturer) \$30,000 Expected as Allowance Item	1	ALW	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	
206	ALCMS Modifications (Contractor)	1	LS	0.00	0.00	4,000.00	4,000.00	2,600.00	2,600.00	3,590.00	3,590.00	
207	Unlighted Guidance Sign on New Foundation	2	EA	0.00	0.00	5,000.00	10,000.00	6,220.00	12,440.00	4,750.00	9,500.00	
208	Relocated Switch	1	EA	0.00	0.00	7,000.00	7,000.00	25,000.00	25,000.00	6,900.00	6,900.00	
231	Relocate Existing MLAT Unit on New Concrete Pad	1	EA	0.00	0.00	13,000.00	13,000.00	15,144.00	15,144.00	12,500.00	12,500.00	
209	6-pair #19 Signal Cable	7500	LF	0.00	0.00	1.80	13,500.00	3.20	24,000.00	1.70	12,750.00	
210	25-pair #19 Signal Cable	5700	LF	0.00	0.00	4.90	27,930.00	10.00	57,000.00	4.80	27,360.00	
211	50-pair #19 Signal Cable	4500	LF	0.00	0.00	11.70	52,650.00	17.70	79,650.00	11.50	51,750.00	
212	Pre-Fabricated RTR Building	2	EA	0.00	0.00	460,000.00	920,000.00	275,620.00	551,240.00	452,230.00	904,460.00	
213	Aggregate Cover For FAA Facilities	90	SY	0.00	0.00	290.00	26,100.00	233.00	20,970.00	285.00	25,650.00	
214	Runway 36C Midfield RVR Relocation, Complete	1	LS	0.00	0.00	50,000.00	50,000.00	37,000.00	37,000.00	45,950.00	45,950.00	
215	Demo Runway 36C Midfield RVR Foundations, Restore Site, Complete	1	LS	0.00	0.00	20,300.00	20,300.00	3,500.00	3,500.00	45,950.00	45,950.00	
216	Add 5-Foot Section of Glide Slope Antenna Tower (GFM) to the Top of Existing Antenna, Complete	1	LS	0.00	0.00	13,000.00	13,000.00	12,900.00	12,900.00	3,500.00	3,500.00	
217	Remove Top 5-Foot Section of Glide Slope Antenna Tower, Complete	1	LS	0.00	0.00	13,000.00	13,000.00	5,500.00	5,500.00	12,500.00	12,500.00	
218	RTR Communications Tower, 75-Foot Emitter Height	4	EA	0.00	0.00	120,000.00	480,000.00	88,700.00	354,800.00	117,890.00	471,560.00	
219	RTR Communications Tower, 55-Foot Emitter Height	4	EA	0.00	0.00	100,000.00	400,000.00	71,000.00	284,000.00	98,535.00	394,140.00	
220	1/C #2 AWG, 15kV, Shielded Cable Installed in Duct Bank or Conduit	11000	LF	0.00	0.00	9.15	100,650.00	12.00	132,000.00	9.00	99,000.00	
221	Fiber Optic Cable, 24 Strand, Single Mode	12500	LF	0.00	0.00	1.65	20,625.00	3.00	37,500.00	1.60	20,000.00	
222	Aggregate Base Course (ABC)	7700	CY	0.00	0.00	90.00	693,000.00	84.00	646,800.00	125.00	962,500.00	
223	Asphalt Concrete Surface Course, Type S-9.5C	7900	TON	0.00	0.00	195.00	1,540,500.00	156.00	1,232,400.00	155.00	1,224,500.00	
224	Asphalt Concrete Intermediate Course, Type I-19.0C	11800	TON	0.00	0.00	185.00	2,183,000.00	145.00	1,711,000.00	145.00	1,711,000.00	
225	Rip Rap - Class A	50	TON	0.00	0.00	112.00	5,600.00	105.00	5,250.00	100.00	5,000.00	
226	Rip Rap - Class B	1300	TON	0.00	0.00	90.00	117,000.00	105.00	136,500.00	100.00	130,000.00	
227	Rip Rap - Class 1	110	TON	0.00	0.00	94.00	10,340.00	105.00	11,550.00	115.00	12,650.00	
228	Rip Rap - Class 2	40	TON	0.00	0.00	110.00	4,400.00	110.00	4,400.00	115.00	4,600.00	
229	Installation of New Stop Contact ATC Sign	4	EA	0.00	0.00	1,200.00	4,800.00	2,407.00	9,628.00	2,000.00	8,000.00	
<b>SCHEDULE 1 Cost Total</b>					<b>110,000.00</b>		<b>81,779,244.00</b>		<b>85,106,978.00</b>		<b>136,779,895.00</b>	
<b>GENERAL ALLOWANCE</b>												
230	General Allowance Account \$2,500,000 Expected as Allowance Item	1	ALW	2,500,000.00	2,500,000.00	2,500,000.00	2,500,000.00	2,500,000.00	2,500,000.00	2,500,000.00	2,500,000.00	
<b>GENERAL ALLOWANCE Cost Total</b>					<b>2,500,000.00</b>		<b>2,500,000.00</b>		<b>2,500,000.00</b>		<b>2,500,000.00</b>	
<b>Bid Summary</b>												
Base Bid Total						2,610,000.00		84,279,244.00		87,606,978.00		139,279,895.00