JOPLIN REGIONAL AIRPORT
BASE BID:RELOCATION OF TAXIWAY C AND CONSTRUCT NEW TAXIWAY F
ADDITIVE ALTERNATE: RE-CIRCUIT RUNWAY 18-36

BID OPENING: JUNE 30, 2016 - 10:00AM
TABULATION OF BIDS

PREPARED BY: CMT

BASE BID: RELOCATION OF TAXIWAY C, CONSTRUCT NEW TAXIWAY F		UNIT	TOTAL QUANTITY	ENGINEER'S ESTIMATE		CAPITAL PAVING (APAC)		EMERY SAPP & SONS, INC.		D & E PLUMBING AND HEATING, INC.	
ITEM #	DESCRIPTION			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
P-105-3.1	MOBILIZATION - BASE BID	LS	1	$ 200,000.00	$ 200,000.00	$ 415,000.00	$ 415,000.00	$ 414,580.00	$ 414,580.00	$ 999,000.00	$ 999,000.00
P-101-5.1	PAVEMENT REMOVAL - 2.5"-3" HMA ON 4"-7" AGG ON 1.25"-3.25" HMA ON 6"-7" PCC	SY	19,479	$ 10.00	$ 194,790.00	$ 6.11	$ 119,016.69	$ 9.00	$ 175,311.00	$ 27.00	$ 525,933.00
P-101-5.2	PAVEMENT REMOVAL - 9.25"-11.5" HMA	SY	22,151	$ 13.00	$ 287,963.00	$ 8.15	$ 180,530.65	$ 4.50	$ 99,679.50	$ 7.00	$ 155,057.00
P-101-5.3	PAVEMENT REMOVAL - 2.5" HMA ON 6" AGG ON 1.25" HMA ON 5.5"-7" PCC	SY	3,954	$ 20.00	$ 79,080.00	$ 9.68	$ 38,274.72	$ 8.00	$ 31,632.00	$ 27.00	$ 106,758.00
P-101-5.4	PAVEMENT REMOVAL - 6.5" HMA	SY	565	$ 10.00	$ 5,650.00	$ 12.00	$ 6,780.00	$ 17.00	$ 9,605.00	$ 7.00	$ 3,955.00
P-151-4.1	CLEARING AND GRUBBING	AC	3.3	$ 4,000.00	$ 13,200.00	$ 3,840.46	$ 12,673.52	$ 8,000.00	$ 26,400.00	$ 15,000.00	$ 49,500.00
P-152-4.1	UNCLASSIFIED EXCAVATION	CY	49,593	$ 9.00	$ 446,337.00	$ 9.28	$ 460,223.04	$ 13.00	$ 644,709.00	$ 15.00	$ 743,895.00
P-152-4.2	POND REMOVAL	EA	2	$ 15,000.00	$ 30,000.00	$ 17,547.64	$ 35,095.28	$ 28,000.00	$ 56,000.00	$ 20,000.00	$ 40,000.00
P-154-5.1	SUBBASE COURSE	SY	2,000	$ 15.00	$ 30,000.00	$ 12.46	$ 24,920.00	$ 26.00	$ 52,000.00	$ 15.00	$ 30,000.00
P-156-5.1	INSTALLATION OF SILT FENCE	LF	7,228	$ 3.00	$ 21,684.00	$ 2.75	$ 19,877.00	$ 2.75	$ 19,877.00	$ 3.00	$ 21,684.00
P-156-5.2	INLET PROTECTION	EA	10	$ 120.00	$ 1,200.00	$ 150.00	$ 1,500.00	$ 150.00	$ 1,500.00	$ 150.00	$ 1,500.00
P-156-5.3	EROSION CONTROL BLANKET	SY	6,850	$ 1.50	$ 10,275.00	$ 2.50	$ 17,125.00	$ 2.50	$ 17,125.00	$ 3.00	$ 20,550.00
P-156-5.4	RIPRAP	SY	71	$ 55.00	$ 3,905.00	$ 55.22	$ 3,920.62	$ 26.00	$ 1,846.00	$ 100.00	$ 7,100.00
P-157-8.1	CEMENT KILN DUST TREATED SUBGRADE	SY	33,100	$ 3.00	$ 99,300.00	$ 4.81	$ 159,211.00	$ 5.50	$ 182,050.00	$ 3.50	$ 115,850.00
P-157-8.2	CEMENT KILN DUST	TON	761	$ 90.00	$ 68,490.00	$ 78.65	$ 59,852.65	$ 78.65	$ 59,852.65	$ 80.00	$ 60,880.00
P-209-5.1	6" CRUSHED AGGREGATE BASE COURSE	SY	15,222	$ 10.00	$ 152,220.00	$ 11.09	$ 168,811.98	$ 13.50	$ 205,497.00	$ 11.00	$ 167,442.00
P-209-5.2	10" CRUSHED AGGREGATE BASE COURSE	SY	18,000	$ 16.00	$ 288,000.00	$ 17.94	$ 322,920.00	$ 20.00	$ 360,000.00	$ 18.00	$ 324,000.00
P-401-8.1.1	BITUMINOUS SURFACE COURSE	TON	7,543	$ 90.00	$ 678,870.00	$ 111.86	$ 843,759.98	$ 98.00	$ 739,214.00	$ 112.00	$ 844,816.00
P-403-8.1	HMA BASE COURSE	TON	11,268	$ 90.00	$ 1,014,120.00	$ 93.98	$ 1,058,966.64	$ 94.00	$ 1,059,192.00	$ 94.00	$ 1,059,192.00
P-602-5.1	BITUMINOUS PRIME COAT	GAL	32,788	$ 3.00	$ 98,364.00	$ 1.00	$ 32,788.00	$ 1.25	$ 40,985.00	$ 1.00	$ 32,788.00
P-603-5.1	BITUMINOUS TACK COAT	GAL	4,683	$ 3.50	$ 16,390.50	$ 1.00	$ 4,683.00	$ 6.00	$ 28,098.00	$ 1.00	$ 4,683.00
P-620-5.1	WATERBORNE PAINT, WHITE, WITH REFLECTIVE MEDIA	SF	31,404	$ 1.50	$ 47,106.00	$ 1.33	$ 41,767.32	$ 1.42	$ 44,593.68	$ 1.50	$ 47,106.00
P-620-5.2	WATERBORNE PAINT, YELLOW, WITH REFLECTIVE MEDIA	SF	10,155	$ 1.50	$ 15,232.50	$ 1.63	$ 16,552.65	$ 1.42	$ 14,420.10	$ 2.00	$ 20,310.00
P-620-5.3	WATERBORNE PAINT, BLACK, WITHOUT REFLECTIVE MEDIA	SF	35,821	$ 1.50	$ 53,731.50	$ 1.23	$ 44,059.83	$ 1.10	$ 39,403.10	$ 1.50	$ 53,731.50
P-620-5.4	WATERBORNE PAINT, RED, WITH REFLECTIVE MEDIA	SF	1,066	$ 1.50	$ 1,599.00	$ 5.50	$ 5,863.00	$ 1.66	$ 1,769.56	$ 7.00	$ 7,462.00
P-620-5.5	PAVEMENT MARKING REMOVAL	SF	40,590	$ 1.50	$ 60,885.00	$ 1.30	$ 52,767.00	$ 0.60	$ 24,354.00	$ 1.50	$ 60,885.00
D-701-5.1	12" REINFORCED CONCRETE PIPE (CLASS IV)	LF	10	$ 35.00	$ 350.00	$ 147.06	$ 1,470.60	$ 35.00	$ 350.00	$ 100.00	$ 1,000.00
D-701-5.2	15" REINFORCED CONCRETE PIPE (CLASS IV)	LF	346	$ 45.00	$ 15,570.00	$ 64.36	$ 22,268.56	$ 43.50	$ 15,051.00	$ 80.00	$ 27,680.00
D-701-5.3	24" REINFORCED CONCRETE PIPE (CLASS IV)	LF	1,243	$ 65.00	$ 80,795.00	$ 72.04	$ 89,545.72	$ 63.00	$ 78,309.00	$ 90.00	$ 111,870.00
D-701-5.4	36" REINFORCED CONCRETE PIPE (CLASS IV)	LF	639	$ 85.00	$ 54,315.00	$ 100.77	$ 64,392.03	$ 103.00	$ 65,817.00	$ 140.00	$ 89,460.00
D-701-5.5	12" REINFORCED CONCRETE PIPE (CLASS IV) FLARED END SECTION	EA	1	$ 750.00	$ 750.00	$ 1,187.85	$ 1,187.85	$ 380.00	$ 380.00	$ 1,000.00	$ 1,000.00
D-701-5.6	24" REINFORCED CONCRETE PIPE (CLASS IV) FLARED END SECTION	EA	6	$ 1,000.00	$ 6,000.00	$ 812.65	$ 4,875.90	$ 715.00	$ 4,290.00	$ 2,000.00	$ 12,000.00
D-701-5.7	36" REINFORCED CONCRETE PIPE (CLASS IV) FLARED END SECTION	EA	1	$ 1,250.00	$ 1,250.00	$ 2,294.26	$ 2,294.26	$ 1,165.00	$ 1,165.00	$ 3,000.00	$ 3,000.00
D-701-5.8	REMOVE EXISTING RCP	LF	300	$ 20.00	$ 6,000.00	$ 27.61	$ 8,283.00	$ 15.00	$ 4,500.00	$ 40.00	$ 12,000.00
D-701-5.9	REMOVE EXISTING CMP	LF	598	$ 15.00	$ 8,970.00	$ 27.70	$ 16,564.60	$ 16.00	$ 9,568.00	$ 30.00	$ 17,940.00
D-705-5.1	6" PERFORATED PIPE FOR UNDERDRAINS	LF	8,995	$ 25.00	$ 224,875.00	$ 16.38	$ 147,338.10	$ 18.95	$ 170,455.25	$ 12.00	$ 107,940.00
D-705-5.2	6" NON-PERFORATED PIPE FOR UNDERDRAINS	LF	159	$ 30.00	$ 4,770.00	$ 26.32	$ 4,184.88	$ 15.00	$ 2,385.00	$ 15.00	$ 2,385.00
D-751-5.1	CLEANOUTS	EA	16	$ 2,000.00	$ 32,000.00	$ 368.81	$ 5,900.96	$ 885.00	$ 14,160.00	$ 1,000.00	$ 16,000.00
D-751-5.2	COLLECTION STRUCTURES	EA	13	$ 2,500.00	$ 32,500.00	$ 614.68	$ 7,990.84	$ 975.00	$ 12,675.00	$ 1,500.00	$ 19,500.00
D-751-5.3	NEW INLET	EA	10	$ 7,500.00	$ 75,000.00	$ 6,702.59	$ 67,025.90	$ 4,824.80	$ 48,248.00	$ 5,000.00	$ 50,000.00
D-751-5.4	REMOVE EXISTING INLET	EA	3	$ 2,000.00	$ 6,000.00	$ 2,760.57	$ 8,281.71	$ 755.00	$ 2,265.00	$ 2,000.00	$ 6,000.00
D-751-5.5	60" MANHOLE	EA	1	$ 7,500.00	$ 7,500.00	$ 7,527.21	$ 7,527.21	$ 6,655.00	$ 6,655.00	$ 5,000.00	$ 5,000.00
T-901-5.1	AIRPORT SEEDING	AC	24	$ 1,000.00	$ 24,000.00	$ 1,350.00	$ 32,400.00	$ 1,350.00	$ 32,400.00	$ 1,500.00	$ 36,000.00
T-904-5.1	AIRPORT SODDING	SY	4,050	$ 15.00	$ 60,750.00	$ 5.00	$ 20,250.00	$ 5.00	$ 20,250.00	$ 6.00	$ 24,300.00
T-905-5.1	TOPSOILING (4" THICKNESS)	SY	49,604	$ 2.85	$ 141,371.40	$ 1.57	$ 77,878.28	$ 2.00	$ 99,208.00	$ 3.00	$ 148,812.00
T-908-5.1	AIRPORT MULCHING	AC	24	$ 1,000.00	$ 24,000.00	$ 1,350.00	$ 32,400.00	$ 1,350.00	$ 32,400.00	$ 1,500.00	$ 36,000.00
L-108-5.1	UNDERGROUND CABLE, 1/C, #8, 5000V, L-824, TYPE C IN UNIT DUCT	LF	17,295	$ 2.80	$ 48,426.00	$ 4.50	$ 77,827.50	$ 4.50	$ 77,827.50	$ 5.00	$ 86,475.00
L-108-5.2	UNDERGROUND CABLE, TWO #6 USE, ONE #10 GROUND	LF	11,781	$ 6.50	$ 76,576.50	$ 6.65	$ 78,343.65	$ 6.65	$ 78,343.65	$ 7.00	$ 82,467.00
L-108-5.3	1/C #6 BARE COPPER GUARD WIRE (COUNTERPOISE)	LF	8,965	$ 2.00	$ 17,930.00	$ 1.60	$ 14,344.00	$ 1.60	$ 14,344.00	$ 1.00	$ 8,965.00
L-108-5.4	GROUND ROD - 3/4"x10'	EA	26	$ 300.00	$ 7,800.00	$ 72.00	$ 1,872.00	$ 72.00	$ 1,872.00	$ 100.00	$ 2,600.00
L-109-5.1	MODIFICATIONS TO EXISTING AIRFIELD LIGHTING	LS	1	$ 5,000.00	$ 5,000.00	$ 2,570.00	$ 2,570.00	$ 2,570.00	$ 2,570.00	$ 3,000.00	$ 3,000.00
L-110-5.1	4-4" PVC ELECTRICAL DUCT - CONCRETE ENCASED	LF	366	$ 50.00	$ 18,300.00	$ 38.50	$ 14,091.00	$ 38.50	$ 14,091.00	$ 40.00	$ 14,640.00
L-110-5.2	SPLIT DUCT INSTALLATION	LF	1,264	$ 60.00	$ 75,840.00	$ 23.50	$ 29,704.00	$ 23.50	$ 29,704.00	$ 24.00	$ 30,336.00
L-110-5.3	DIRECTIONAL BORE 2" HDPE	LF	672	$ 35.00	$ 23,520.00	$ 17.00	$ 11,424.00	$ 17.00	$ 11,424.00	$ 17.00	$ 11,424.00
L-125-5.1	REMOVE EXISTING SIGN AND BASE	EA	21	$ 4,500.00	$ 94,500.00	$ 160.00	$ 3,360.00	$ 160.00	$ 3,360.00	$ 160.00	$ 3,360.00
L-125-5.2	REMOVE EXISTING LIGHT	EA	65	$ 125.00	$ 8,125.00	$ 36.50	$ 2,372.50	$ 36.50	$ 2,372.50	$ 40.00	$ 2,600.00
L-125-5.3	NEW L-861T BASE MOUNTED RUNWAY EDGE LIGHT IN TURF SHOULDER	EA	1	$ 2,100.00	$ 2,100.00	$ 840.00	$ 840.00	$ 840.00	$ 840.00	$ 900.00	$ 900.00
L-125-5.4	NEW L-861T(L) BASE MOUNTED LED TAXIWAY EDGE LIGHT IN TURF SHOULDER	EA	33	$ 2,100.00	$ 69,300.00	$ 695.00	$ 22,935.00	$ 695.00	$ 22,935.00	$ 700.00	$ 23,100.00
L-125-5.5	NEW L-861T(L) STAKE MOUNTED LED TAXIWAY EDGE LIGHT IN TURF SHOULDER	EA	126	$ 1,250.00	$ 157,500.00	$ 520.00	$ 65,520.00	$ 520.00	$ 65,520.00	$ 520.00	$ 65,520.00
L-125-5.6	NEW L-804(L) LED ELEVATED RUNWAY GUARD LIGHT	EA	14	$ 2,600.00	$ 36,400.00	$ 3,465.00	$ 48,510.00	$ 3,465.00	$ 48,510.00	$ 3,500.00	$ 49,000.00
L-125-5.7	NEW L-858(L) LED AIRFIELD GUIDANCE SIGN	EA	12	$ 7,500.00	$ 90,000.00	$ 4,105.00	$ 49,260.00	$ 4,105.00	$ 49,260.00	$ 4,000.00	$ 48,000.00
L-125-5.8	NEW L-858(L) LED AIRFIELD HOLD SIGN	EA	6	$ 7,500.00	$ 45,000.00	$ 4,000.00	$ 24,000.00	$ 4,000.00	$ 24,000.00	$ 4,000.00	$ 24,000.00
L-125-5.9	REPLACE EXISTING SIGN PANEL	EA	21	$ 1,750.00	$ 36,750.00	$ 73.00	$ 1,533.00	$ 73.00	$ 1,533.00	$ 70.00	$ 1,470.00
L-125-5.10	RELOCATE EXISTING SIGN PANEL	EA	6	$ 250.00	$ 1,500.00	$ 145.00	$ 870.00	$ 145.00	$ 870.00	$ 150.00	$ 900.00
L-125-5.11	INSTALL EXISTING SIGN HOUSING UNIT	EA	1	$ 2,000.00	$ 2,000.00	$ 1,945.00	$ 1,945.00	$ 1,945.00	$ 1,945.00	$ 2,000.00	$ 2,000.00
L-125-5.12	LED RETROFIT OF EXISTING RUNWAY HOLD SIGN	EA	3	$ 4,000.00	$ 12,000.00	$ 110.00	$ 330.00	$ 110.00	$ 330.00	$ 100.00	$ 300.00
SP-1-7.1	GEOTEXTILE FABRIC	SY	2,000	$ 7.00	$ 14,000.00	$ 4.37	$ 8,740.00	$ 3.00	$ 6,000.00	$ 5.00	$ 10,000.00
SP-2-5.1	TEMPORARY DISPLACED THRESHOLD	LS	1	$ 20,000.00	$ 20,000.00	$ 34,085.00	$ 34,085.00	$ 34,085.00	$ 34,085.00	$ 37,000.00	$ 37,000.00
SP-3-5.1	TRICKLE CHANNEL	SY	871	$ 12.00	$ 10,452.00	$ 24.65	$ 21,470.15	$ 27.00	$ 23,517.00	$ 65.00	$ 56,615.00
SP-4-5.1	TRANSVERSE CRACK REPAIR	SY	3,375	$ 25.00	$ 84,375.00	$ 46.24	$ 156,060.00	$ 67.00	$ 226,125.00	$ 50.00	$ 168,750.00
SP-5-6.1	SAND MIX CRACK REPAIR	LF	3,000	$ 15.00	$ 45,000.00	$ 1.38	$ 4,140.00	$ 9.90	$ 29,700.00	$ 10.00	$ 30,000.00
				BASE BID TOTAL=	$ 5,727,553.40	**TOTAL=**	**$ 5,445,146.77**	**TOTAL=**	**$ 5,741,303.49**	**TOTAL=**	**$ 6,995,386.50**

ADDITIVE ALTERNATE: RE-CIRCUIT RUNWAY 18-36

P-105-3.2	MOBILIZATION - ADDITVE ALTERNATE	LS	1	$ 10,000.00	$ 10,000.00	$ 5,000.00	$ 5,000.00	$ 14,677.00	$ 14,677.00	$ 20,000.00	$ 20,000.00
L-108-5.1A	UNDERGROUND CABLE, 1/C, #8, 5000V, L-824, TYPE C IN UNIT DUCT	LF	15,010	$ 2.80	$ 42,028.00	$ 4.50	$ 67,545.00	$ 4.50	$ 67,545.00	$ 5.00	$ 75,050.00
L-108-5.3a	1/C #6 BARE COPPER GUARD WIRE (COUNTERPOISE)	LF	13,091	$ 2.00	$ 26,182.00	$ 2.25	$ 29,454.75	$ 2.25	$ 29,454.75	$ 2.00	$ 26,182.00
L-108-5.4A	GROUND ROD - 3/4"x10'	EA	40	$ 300.00	$ 12,000.00	$ 72.00	$ 2,880.00	$ 72.00	$ 2,880.00	$ 100.00	$ 4,000.00
				ADDITIVE ALTERNATE TOTAL=	$ 90,210.00	**TOTAL=**	**$ 104,879.75**	**TOTAL=**	**$ 114,556.75**	**TOTAL=**	**$ 125,232.00**

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable construction costs herein are based upon the information known to the Engineer at the time the estimate was prepared and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from the opinion of probable costs.

I hereby certify that the bid tabulation herein was prepared by me or under my direct supervision. The individual contractor Unit Bid Prices and Bid Amounts are the actual prices and amounts placed on the Proposal Form.

By:_____
Thomas W. Morris, P.E. - Crawford, Murphy & Tilly, Inc.