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Project No.: 33-00315

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August 28, 2019

### Runway Guard Lights Bid Evaluation and Letter of Recommendation to Award

Dear Mr. Fiemeyer

Bids for the Runway Guard Lights project were opened on Friday, August 23, 2019 at 2:00 pm. Below is a table of the bids received, along with the Engineer's Estimate:

Engineer	Rural Electric Inc.	Ernest P. Breaux Electrical LLC	F&W Electrical Contractors, Inc.	Hypower, Inc.
\$1,362,709.01	\$1,088,676.50	\$1,297,814.50	\$1,647,655.50	\$2,323,243.00

The apparent low bidder is Rural Electric. A bid tabulation was compiled for all bidders and a detailed evaluation of the lowest four (4) apparent bidders was performed. Items included in the evaluation were completeness and accuracy of the bid items, completeness and accuracy of form 030 Experience and Qualifications and the Project Sheets. Other required bid documentation as listed in section 010 were not evaluated by Atkins. It should be noted that further clarification is suggested regarding a Yes response to points B and C of section 1.8 of form 030.

Rural Electric's bid was compared against the Engineer's Estimate as well as the other 4 bids received. For a few bid items, their unit cost was substantially lower than the Engineer's Estimate (No. 6 AWG Solid, Bare Copper Counterpoise Wire, installed in trench; Concrete Encased Electrical Duct Bank, 2 Way 2 Inch; and No. 8 AWG, 5kV, L-824, Type C Cable, Installed in Duct Bank or Conduit). However, these items were very near the average bid for the items, and therefore are considered competitive and responsive. Due to the quantities of these items, the overall difference between the apparent low bidder and the Engineer's Estimate is reconciled.

Upon review of the bidding documents, the lowest four apparent bidders were responsive to the advertisement. The apparent low bidder, Rural Electric, was then evaluated for the ability to complete the work items included in the bid. Based on their bonding capacity, previous work at other airports included in their bidding information, and questionnaire, Rural Electric was determined to be a responsible bidder.

It is recommended that the project be awarded to the apparent low bidder, Rural Electric, in the amount of their bid, \$1,088,676.50, pending FAA agreement of the award and grant approval.

Sincerely,



John Verburg, P.E.

Attachment: Bid Tabulation

**Bid Tabulation for  
Runway Guard Lights**

Item	Description	Unit	Quantity	Engineer		Rural Electric, Inc		Ernest P. Breaux Electrical LLC		F&W Electrical Contractors, Inc		Hypower, Inc.	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
<b>Base Bid Item</b>													
C-100-14.1	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1	\$10,000.00	\$10,000.00	\$13,300.00	\$13,300.00	\$5,500.00	\$5,500.00	\$60,000.00	\$60,000.00	\$75,300.00	\$75,300.00
C-102-5.1e	INSTALLATION AND REMOVAL OF SILT FENCE	LS	1	\$5,000.00	\$5,000.00	\$16,800.00	\$16,800.00	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00	\$69,000.00	\$69,000.00
C-105-8.1	MOBILIZATION AND DEMOBILIZATION	LS	1	\$70,000.00	\$70,000.00	\$51,500.00	\$51,500.00	\$88,000.00	\$88,000.00	\$75,000.00	\$75,000.00	\$90,000.00	\$90,000.00
C-105-8.2	SITE LAYOUT AND STAKING	LS	1	\$25,000.00	\$25,000.00	\$24,000.00	\$24,000.00	\$7,750.00	\$7,750.00	\$12,000.00	\$12,000.00	\$41,000.00	\$41,000.00
C-105-8.3	AIRFIELD CONSTRUCTION AREA CONTROL	LS	1	\$30,000.00	\$30,000.00	\$62,900.00	\$62,900.00	\$54,000.00	\$54,000.00	\$12,500.00	\$12,500.00	\$85,000.00	\$85,000.00
P-620-5.1	PAVEMENT MARKING	LS	1	\$7,500.00	\$7,500.00	\$3,800.00	\$3,800.00	\$7,285.00	\$7,285.00	\$5,000.00	\$5,000.00	\$18,000.00	\$18,000.00
L-108-5.1	No. 8 AWG, 5kV, L-824, TYPE C CABLE, INSTALLED IN DUCT BANK OR CONDUIT	LF	64,000	\$1.75	\$112,000.00	\$1.30	\$83,200.00	\$1.18	\$75,520.00	\$1.50	\$96,000.00	\$2.00	\$128,000.00
L-108-5.2	NO. 6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE, INSTALLED IN TRENCH, ABOVE THE DUCT BANK OR CONDUIT, INCLUDING CONNECTIONS/TERMINATIONS	LF	12,000	\$2.60	\$31,200.00	\$1.30	\$15,600.00	\$3.25	\$39,000.00	\$1.50	\$18,000.00	\$2.00	\$24,000.00
L-110-5.1	CONCRETE ENCASED ELECTRICAL DUCT BANK, 1 WAY 2 INCH INSTALLED IN TURF	LF	800	\$25.00	\$20,000.00	\$22.00	\$17,600.00	\$26.50	\$21,200.00	\$25.00	\$20,000.00	\$30.00	\$24,000.00
L-110-5.2	CONCRETE ENCASED ELECTRICAL DUCT BANK, 1 WAY 2 INCH INSTALLED IN EXISTING PAVEMENT	LF	300	\$30.00	\$9,000.00	\$74.00	\$22,200.00	\$102.00	\$30,600.00	\$100.00	\$30,000.00	\$25.00	\$7,500.00
L-110-5.3	CONCRETE ENCASED ELECTRICAL DUCT BANK, 2 WAY 2 INCH	LF	10,000	\$30.00	\$300,000.00	\$15.00	\$150,000.00	\$26.55	\$265,500.00	\$35.00	\$350,000.00	\$40.00	\$400,000.00
L-110-5.4	CONCRETE ENCASED ELECTRICAL DUCT BANK, 4 WAY 4 INCH	LF	300	\$50.00	\$15,000.00	\$61.00	\$18,300.00	\$58.00	\$17,400.00	\$225.00	\$67,500.00	\$160.00	\$48,000.00
L-110-5.5	DIRECTIONAL DRILL ELECTRICAL DUCT BANK, 2 WAY 2 INCH	LF	400	\$75.00	\$30,000.00	\$38.00	\$15,200.00	\$26.00	\$10,400.00	\$75.00	\$30,000.00	\$40.00	\$16,000.00
L-110-5.6	SITE LOCATING, DUCT TRACING AND POT HOLING	LS	1	\$10,000.00	\$10,000.00	\$4,300.00	\$4,300.00	\$10,000.00	\$10,000.00	\$12,500.00	\$12,500.00	\$26,000.00	\$26,000.00
L-115-5.1	ELECTRICAL JUNCTION STRUCTURE, 2 - L-867B BASE CAN PLAZA	EA	19	\$1,700.00	\$32,300.00	\$2,300.00	\$43,700.00	\$2,960.00	\$56,240.00	\$3,200.00	\$60,800.00	\$9,000.00	\$171,000.00
L-115-5.2	ELECTRICAL HANDHOLE, AIRCRAFT RATED 3 FEET X 3 FEET X 3 FEET	EA	16	\$10,000.00	\$160,000.00	\$9,100.00	\$145,600.00	\$6,370.00	\$101,920.00	\$12,000.00	\$192,000.00	\$15,000.00	\$240,000.00
L-125-5.1	L-852G(L), LED, IN-GROUND RUNWAY GUARD LIGHT INSTALLED ON EXISTING L-868 BASE CAN	EA	29	\$2,500.00	\$72,500.00	\$1,300.00	\$37,700.00	\$1,495.00	\$43,355.00	\$1,600.00	\$46,400.00	\$2,200.00	\$63,800.00
L-125-5.2	L-852G(L), LED IN-GROUND RUNWAY GUARD LIGHT INSTALLED ON NEW L-868, CLASS 1A, SIZE B, BASE CAN IN EXISTING PAVEMENT	EA	18	\$4,000.00	\$72,000.00	\$3,700.00	\$66,600.00	\$4,535.00	\$81,630.00	\$4,320.00	\$77,760.00	\$14,000.00	\$252,000.00
L-125-5.3	L-804(L), LED, ELEVATED RUNWAY GUARD LIGHT INSTALLED ON EXISTING L-867 BASE CAN	EA	4	\$3,000.00	\$12,000.00	\$3,500.00	\$14,000.00	\$3,380.00	\$13,520.00	\$4,650.00	\$18,600.00	\$4,000.00	\$16,000.00
L-125-5.4	L-804(L), RUNWAY GUARD LIGHT INSTALLED ON NEW L-867, CLASS 1A, SIZE B, BASE CAN IN TURF	EA	5	\$3,500.00	\$17,500.00	\$4,400.00	\$22,000.00	\$4,786.00	\$23,930.00	\$8,460.00	\$42,300.00	\$5,200.00	\$26,000.00
L-125-5.5	L-804(L), LED, RUNWAY GUARD LIGHT INSTALLED ON NEW L-867, CLASS 1A, SIZE B, BASE CAN INSTALLED IN EXISTING PAVED SHOULDER	EA	5	\$5,000.00	\$25,000.00	\$5,700.00	\$28,500.00	\$6,194.00	\$30,970.00	\$9,550.00	\$47,750.00	\$5,500.00	\$27,500.00
L-125-5.6	L-828 CONSTANT CURRENT REGULATOR, 4 KW, INSTALLED IN EXISTING VAULT	EA	2	\$10,000.00	\$20,000.00	\$11,200.00	\$22,400.00	\$19,215.00	\$38,430.00	\$11,000.00	\$22,000.00	\$22,000.00	\$44,000.00
L-125-5.7	L-828 CONSTANT CURRENT REGULATOR, 7.5 KW, INSTALLED IN EXISTING VAULT	EA	1	\$13,000.00	\$13,000.00	\$13,500.00	\$13,500.00	\$13,005.00	\$13,005.00	\$14,000.00	\$14,000.00	\$23,000.00	\$23,000.00
L-125-5.8	ALCMS MODIFICATIONS (CONTRACTOR)	LS	1	\$10,000.00	\$10,000.00	\$2,900.00	\$2,900.00	\$7,160.00	\$7,160.00	\$10,000.00	\$10,000.00	\$29,000.00	\$29,000.00
L-125-5.9	ALCMS ALLOWANCE (VENDOR)	AL	1	\$27,377.01	\$27,377.01	\$27,338.00	\$27,338.00	\$27,338.00	\$27,338.00	\$27,338.00	\$27,338.00	\$27,338.00	\$27,338.00
<b>Sub Totals</b>					\$1,136,377.01		\$922,938.00		\$1,074,653.00		\$1,353,948.00		\$1,971,438.00
<b>Add Alternate 1 Bid Item</b>													
L-108-5.1	No. 8 AWG, 5kV, L-824, TYPE C CABLE, INSTALLED IN DUCT BANK OR CONDUIT	LF	1,800	\$1.75	\$3,150.00	\$1.30	\$2,340.00	\$1.18	\$2,124.00	\$1.50	\$2,700.00	\$2.00	\$3,600.00
L-108-5.2	NO. 6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE, INSTALLED IN TRENCH, ABOVE THE DUCT BANK OR CONDUIT, INCLUDING CONNECTIONS/TERMINATIONS	LF	545	\$2.60	\$1,417.00	\$1.30	\$708.50	\$3.25	\$1,771.25	\$1.50	\$817.50	\$2.00	\$1,090.00
L-110-5.1	CONCRETE ENCASED ELECTRICAL DUCT BANK, 1 WAY 2 INCH INSTALLED IN TURF	LF	65	\$25.00	\$1,625.00	\$22.00	\$1,430.00	\$26.50	\$1,722.50	\$25.00	\$1,625.00	\$45.00	\$2,925.00
L-110-5.3	CONCRETE ENCASED ELECTRICAL DUCT BANK, 2 WAY 2 INCH	LF	470	\$30.00	\$14,100.00	\$15.00	\$7,050.00	\$26.55	\$12,478.50	\$35.00	\$16,450.00	\$50.00	\$23,500.00
L-125-5.3	L-804(L), LED, ELEVATED RUNWAY GUARD LIGHT INSTALLED ON EXISTING L-867 BASE CAN	EA	2	\$3,000.00	\$6,000.00	\$3,500.00	\$7,000.00	\$3,405.00	\$6,810.00	\$4,650.00	\$9,300.00	\$4,000.00	\$8,000.00
L-125-5.4	L-804(L), RUNWAY GUARD LIGHT INSTALLED ON NEW L-867, CLASS 1A, SIZE B, BASE CAN IN TURF	EA	2	\$3,500.00	\$7,000.00	\$4,400.00	\$8,800.00	\$5,170.00	\$10,340.00	\$8,460.00	\$16,920.00	\$5,200.00	\$10,400.00
<b>Sub Totals</b>					\$33,292.00		\$27,328.50		\$35,246.25		\$47,812.50		\$49,515.00
<b>Add Alternate 2 Bid Item</b>													
L-125-5.1	L-852G(L), LED, IN-GROUND RUNWAY GUARD LIGHT INSTALLED ON EXISTING L-868 BASE CAN	EA	2	\$3,000.00	\$6,000.00	\$1,300.00	\$2,600.00	\$3,405.00	\$6,810.00	\$1,700.00	\$3,400.00	\$3,800.00	\$7,600.00
<b>Sub Totals</b>					\$6,000.00		\$2,600.00		\$6,810.00		\$3,400.00		\$7,600.00

**Bid Tabulation for  
Runway Guard Lights**

Item	Description	Unit	Quantity	Engineer		Rural Electric, Inc		Ernest P. Breaux Electrical LLC		F&W Electrical Contractors, Inc		Hypower, Inc.	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
<b>Add Alternate 3 Bid Item</b>													
L-108-5.1	No. 8 AWG, 5kV, L-824, TYPE C CABLE, INSTALLED IN DUCT BANK OR CONDUIT	LF	2,900	\$1.75	\$5,075.00	\$1.30	\$3,770.00	\$1.18	\$3,422.00	\$1.50	\$4,350.00	\$3.60	\$10,440.00
L-125-5.3	L-804(L), LED, ELEVATED RUNWAY GUARD LIGHT INSTALLED ON EXISTING L-867 BASE CAN	EA	4	\$3,000.00	\$12,000.00	\$3,500.00	\$14,000.00	\$3,405.00	\$13,620.00	\$4,650.00	\$18,600.00	\$4,000.00	\$16,000.00
<b>Sub Totals</b>					\$17,075.00		\$17,770.00		\$17,042.00		\$22,950.00		\$26,440.00
<b>Add Alternate 4 Bid Item</b>													
L-108-5.1	No. 8 AWG, 5kV, L-824, TYPE C CABLE, INSTALLED IN DUCT BANK OR CONDUIT	LF	9,500	\$1.75	\$16,625.00	\$1.30	\$12,350.00	\$1.18	\$11,210.00	\$1.50	\$14,250.00	\$2.50	\$23,750.00
L-108-5.2	NO. 6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE, INSTALLED IN TRENCH, ABOVE THE DUCT BANK OR CONDUIT, INCLUDING CONNECTIONS/TERMINATIONS	LF	3,800	\$2.60	\$9,880.00	\$1.30	\$4,940.00	\$3.25	\$12,350.00	\$1.50	\$5,700.00	\$2.50	\$9,500.00
L-110-5.1	CONCRETE ENCASED ELECTRICAL DUCT BANK, 1 WAY 2 INCH INSTALLED IN TURF	LF	380	\$25.00	\$9,500.00	\$22.00	\$8,360.00	\$26.50	\$10,070.00	\$25.00	\$9,500.00	\$40.00	\$15,200.00
L-110-5.3	CONCRETE ENCASED ELECTRICAL DUCT BANK, 2 WAY 2 INCH	LF	3,175	\$30.00	\$95,250.00	\$15.00	\$47,625.00	\$26.55	\$84,296.25	\$35.00	\$111,125.00	\$40.00	\$127,000.00
L-110-5.4	CONCRETE ENCASED ELECTRICAL DUCT BANK, 4 WAY 4 INCH	LF	65	\$50.00	\$3,250.00	\$61.00	\$3,965.00	\$58.00	\$3,770.00	\$225.00	\$14,625.00	\$160.00	\$10,400.00
L-115-5.1	ELECTRICAL JUNCTION STRUCTURE, 2 - L-867B BASE CAN PLAZA	EA	5	\$1,700.00	\$8,500.00	\$2,300.00	\$11,500.00	\$2,960.00	\$14,800.00	\$3,325.00	\$16,625.00	\$9,000.00	\$45,000.00
L-115-5.2	ELECTRICAL HANDHOLE, AIRCRAFT RATED 3 FEET X 3 FEET X 3 FEET	EA	1	\$10,000.00	\$10,000.00	\$9,100.00	\$9,100.00	\$5,515.00	\$5,515.00	\$12,000.00	\$12,000.00	\$15,000.00	\$15,000.00
L-125-5.4	L-804(L), RUNWAY GUARD LIGHT INSTALLED ON NEW L-867, CLASS 1A, SIZE B, BASE CAN IN TURF	EA	2	\$3,500.00	\$7,000.00	\$4,400.00	\$8,800.00	\$4,833.00	\$9,666.00	\$8,460.00	\$16,920.00	\$5,200.00	\$10,400.00
L-125-5.5	L-804(L), LED, RUNWAY GUARD LIGHT INSTALLED ON NEW L-867, CLASS 1A, SIZE B, BASE CAN INSTALLED IN EXISTING PAVED SHOULDER	EA	2	\$5,000.00	\$10,000.00	\$5,700.00	\$11,400.00	\$6,193.00	\$12,386.00	\$9,400.00	\$18,800.00	\$6,000.00	\$12,000.00
<b>Sub Totals</b>					\$170,005.00		\$118,040.00		\$164,063.25		\$219,545.00		\$268,250.00
<b>Base Bid + Alt 1 + Alt 2 + Alt 3 + Alt 4 =</b>					\$1,362,749.01		\$1,088,676.50		\$1,297,814.50		\$1,647,655.50		\$2,323,243.00