

# Memorandum



**Date:** June 18, 2014

**To:** Gary Hartfield  
Division Director  
Small Business Development  
Internal Services Department

**From:** Fernando V. Ponassi  
Manager, Contracts Administration  
Design and Construction Services Division  
Internal Services Department

**Subject:** Notice of Construction Contract, ISD Contract No. W130088-R, Medical Examiner HVAC Equipment Replacement, 1851 NW 10<sup>th</sup> Avenue, Miami, FL 33136.

The attached worksheet is provided for your information regarding the subject project. The Internal Services Department (ISD) respectfully requests that you review the attached recommendation for a 7% sub contractor goal. The project is also located within the Community Workforce Program area, and the requirement is 25.2%. This project is funded by the General Obligation Bond (GOB).

The scope of work consists of, but is not limited to, furnishing all materials, labor, services, supervision, tools, equipment, permits and all other safety measures and items necessary for the following work:

- Remove the existing chilled water handling units;
- Remove energy recovery units;
- Remove hot water reheat coils;
- Furnish and install temporary cooling units;
- Furnish and install temporary back-up power diesel generator to provide power to temporary AC units in case of power failure;
- Furnish and install heat recovery units;
- Furnish and install new chilled water air handling units (AHU-2 & UHU-3);
- Furnish and install pneumatic controls; and
- Provide test and balance for all new equipment, all in accordance with construction plans and specifications and the contract documents included with the bid package.

This contract includes the cost of disposing of all materials. The Contract Conditions are included for additional project details. The trades that will impact this project are Mechanical Contractor (prime) and Electrical Contractor (sub-trade). If additional information is required, please contact Richard Bechtold, CAS MCC Coordinator, at (305) 375-4365.

cc: Miriam Singer, CPPO, Assistant Director  
Tara C. Smith, Acting Division Director  
Mohammed Taha, MCC Coordinator  
Laurie Johnson, SBD  
Vivian Forhat-Diaz, SBD  
Project File



**ENGINEERING ROUGH BUDGET COST ESTIMATE (OPINION ONLY, NOT TO BE USED FOR BID OR FINAL COST)**

**CLIENT:** Miami-DADE County GSA **DATE:** 05/27/13  
**PROJECT TITLE:** Replace AHU-2 & AHU-3 w/ Associated Energy Recovery Unit, Heaters, & related Appurtenances  
**DESCRIPTION:** ROUGH ESTIMATE (NARRATIVE BASED DESIGN ESTIMATE)  
**PROJECT NUMBER:** 6711 9 Month Construction Contract 6 Month on Site

ITEM DESCRIPTION GENERAL CONDITIONS	QUANTITY		MATERIALS ESTIMATE		LABOR ESTIMATE		LINE ITEM TOTALS	
	NUMBER	UNITS	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
PROJECT SUPERVISION	10	MON			\$1,000.00	\$10,000.00	\$1,000.00	\$10,000.00
JOB TRUCK	4	MON	\$200.00	\$800.00			\$200.00	\$800.00
OFFICE SUPPLIES	10	MON	\$75.00	\$750.00			\$75.00	\$750.00
TELEPHONE & COMMUNICATION	10	MON	\$100.00	\$1,000.00			\$100.00	\$1,000.00
MOBILIZATION	1	LS	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$2,000.00	\$2,000.00
CLEANUP	1	LS	\$400.00	\$400.00	\$2,000.00	\$2,000.00	\$2,400.00	\$2,400.00
HAND TOOLS	4	MON	\$150.00	\$600.00			\$150.00	\$600.00
FIRST AID	1	LS	\$50.00	\$50.00			\$50.00	\$50.00
Temporary Wall/Door Carpentry	1	LS	\$500.00	\$500.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
<b>SUB-TOTALS :</b>				\$5,100.00		\$14,500.00		\$19,600.00
TAX @ 7.00%				\$357.00				
INSURANCE @ 28.00%						\$4,060.00		
<b>NEW SUB-TOTALS :</b>				\$5,457.00		\$18,560.00		\$24,017.00
HOME OFFICE OVERHEAD AT 15.00%								\$3,602.55
<b>CONTRACTOR SUBTOTAL :</b>								<b>\$27,620</b>

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DATE: 05/27/13  
 9 Month Construction Contract 6 Month on Site

ITEM DESCRIPTION GENERAL CONSTRUCTION	QUANTITY		MATERIALS ESTIMATE		LABOR ESTIMATE		LINE ITEM TOTALS	
	NUMBER	UNITS	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
DEMOLITION	100	HRS			\$20.00	\$2,000.00	\$20.00	\$2,000.00
NEW WALL PENETRATION WORK	50	SF	\$5.00	\$250.00	\$5.00	\$250.00	\$10.00	\$500.00
NEW CEILING WORK	200	SF	\$8.35	\$1,670.00	\$8.00	\$1,600.00	\$16.35	\$3,270.00
NEW INTERIOR DRYWALL WORK	250	SF	\$9.25	\$2,312.50	\$8.00	\$2,000.00	\$17.25	\$4,312.50
NEW PAINTING	400	SF	\$0.50	\$200.00	\$4.00	\$1,600.00	\$4.50	\$1,800.00
NEW EXTERIOR WALL WORK	100	SF	\$15.00	\$1,500.00	\$8.00	\$800.00	\$23.00	\$2,300.00
Rental AHU (1) 60Ton	3	MO	\$3,500.00	\$10,500.00	\$200.00	\$600.00	\$3,700.00	\$11,100.00
Rental AHU (1) 60Ton	3	MO	\$3,500.00	\$10,500.00	\$200.00	\$600.00	\$3,700.00	\$11,100.00
Rental Power Generator 300kW-450amp 10Gal/Hr	3	MO	\$7,000.00	\$21,000.00	\$200.00	\$600.00	\$7,200.00	\$21,600.00
Diesel Fuel @ 240g/day	1	Day	\$960.00	\$960.00			\$960.00	\$960.00
Temporary Switch	3	MO	\$1,800.00	\$5,400.00			\$1,800.00	\$5,400.00
Site Crane for AHU placement	2	Day	\$1,200.00	\$2,400.00	\$200.00	\$400.00	\$1,400.00	\$2,800.00
Temporary Roof Protection	3	Day	\$150.00	\$450.00	\$300.00	\$900.00	\$450.00	\$1,350.00
Signage & Barricades	30	Day	\$45.00	\$1,350.00	\$10.00	\$300.00	\$55.00	\$1,650.00
<b>SUB-TOTALS :</b>				\$58,492.50		\$11,650.00		\$70,142.50
TAX @ 7.00%				\$4,094.48				
INSURANCE @ 28.00%								
<b>NEW SUB-TOTALS :</b>				\$62,586.98		\$14,912.00		\$77,498.98
<b>SUBCONTRACTOR TOTAL :</b>								\$11,624.85
								\$89,124

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ITEM DESCRIPTION DIVISION 15	QUANTITY		MATERIALS ESTIMATE		LABOR ESTIMATE		LINE ITEM TOTALS	
	NUMBER	UNITS	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
ERU Fixed Plate Heat Exchanger	1	EA	\$90,000.00	\$90,000.00	\$2,000.00	\$2,000.00	\$92,000.00	\$92,000.00
18000 CFM INLINE FAN 7.5 HP Motor	1	EA	\$4,000.00	\$4,000.00	\$1,000.00	\$1,000.00	\$5,000.00	\$5,000.00
DADE NOA Vertical Fin Wall Louver	1	EA	\$2,500.00	\$2,500.00	\$500.00	\$500.00	\$3,000.00	\$3,000.00
Temporary Supply Duct at AHU & ERU (40x40)	200	LF	\$12.00	\$2,400.00	\$3.00	\$600.00	\$3,000.00	\$3,000.00
New ERU Room DblWall Metal Duct	2000	lbs	\$5.50	\$11,000.00	\$1.00	\$2,000.00	\$13,000.00	\$13,000.00
New AHU-3 Metal Duct	600	lbs	\$5.50	\$3,300.00	\$1.00	\$600.00	\$3,900.00	\$3,900.00
Segmented 107Ton AHU 18,000cfm	1	EA	\$20,000.00	\$20,000.00	\$4,000.00	\$4,000.00	\$24,000.00	\$24,000.00
Chilled Water Coil for 107Ton AHU	1	EA	\$12,000.00	\$12,000.00			\$12,000.00	\$12,000.00
HotWater Re-Heat Coil for 107Ton AHU	1	EA	\$6,000.00	\$6,000.00			\$6,000.00	\$6,000.00
Filter Chamber for 107Ton AHU	1	EA	\$5,000.00	\$5,000.00			\$5,000.00	\$5,000.00
CosaTron Electrodes & UVL for 107Ton AHU	1	EA	\$14,000.00	\$14,000.00			\$14,000.00	\$14,000.00
25hp VFD	1	EA	\$2,500.00	\$2,500.00			\$2,500.00	\$2,500.00
Temporary Supply Duct (Corridor & Rm Below)	200	LF	\$12.00	\$2,400.00	\$3.00	\$600.00	\$3,000.00	\$3,000.00
New AHU-2 Metal Duct	300	lbs	\$5.50	\$1,650.00	\$1.00	\$300.00	\$1,950.00	\$1,950.00
Segmented 38Ton AHU 5,400cfm	1	EA	\$7,000.00	\$7,000.00	\$1,400.00	\$1,400.00	\$8,400.00	\$8,400.00
Chilled Water Coil for 38Ton AHU	1	EA	\$4,200.00	\$4,200.00			\$4,200.00	\$4,200.00
HotWater Re-Heat Coil for 38Ton AHU	1	EA	\$2,100.00	\$2,100.00			\$2,100.00	\$2,100.00
Filter Chamber for 38Ton AHU	1	EA	\$1,750.00	\$1,750.00			\$1,750.00	\$1,750.00
CosaTron Electrodes & UVL for 38Ton AHU	1	EA	\$4,900.00	\$4,900.00			\$4,900.00	\$4,900.00
ERU SF & EF and EF-2 VFD	3	EA	\$800.00	\$2,400.00			\$800.00	\$2,400.00
Hot Water Duct Heater Coils (Replace)	16	EA	\$1,500.00	\$24,000.00	\$250.00	\$4,000.00	\$28,000.00	\$28,000.00
Temporary Exhaust Fans (1 month)	2	EA	\$700.00	\$1,400.00	\$100.00	\$200.00	\$1,600.00	\$1,600.00
Actuated Dampers, AFS, and Controls	1	LS	\$21,000.00	\$21,000.00	\$5,000.00	\$5,000.00	\$26,000.00	\$26,000.00
T&B	1	EA			\$4,500.00	\$4,500.00	\$4,500.00	\$4,500.00
Commissioning	1	EA			\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00
<b>SUB-TOTALS :</b>				\$245,500.00		\$33,200.00	\$278,700.00	\$278,700.00
TAX @ 7.00%				\$17,185.00				\$17,185.00
INSURANCE @ 28.00%							\$9,296.00	\$9,296.00
<b>NEW SUB-TOTALS :</b>				\$262,685.00		\$42,496.00	\$305,181.00	\$305,181.00
<b>SUB CONTRACTOR TOTAL :</b>							\$45,777.15	\$45,777.15
<b>SUB CONTRACTOR TOTAL :</b>							\$350,958	\$350,958

ME Exam Cost Estimate Preparation	QUANTITY	MATERIALS ESTIMATE	LABOR ESTIMATE	LINE ITEM TOTALS



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<b>SUMMARY</b>	
GENERAL CONDITIONS	27,620
GENERAL CONSTRUCTION	89,124
DIVISION 15	350,958
DIVISION 16	43,549
SUB TOTAL	511,250
OH AND P	15% 76,688
BOND/INSURANCE @ 2%	2% 11,759
<b>PROJECT TOTAL</b>	<b>599,696</b>