

**BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY**

MEETING DATE: 9/19/07

DIVISION: COUNTY ADMINISTRATOR

BULK ITEM: YES

DEPARTMENT: AIRPORTS

STAFF CONTACT PERSON: Peter Horton  
Phone: 292-3518

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AGENDA ITEM WORDING: Approval of Purchase Service Order with URS for Runway Safety Area (RSA) design plans and specifications for the Key West International Airport.

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ITEM BACKGROUND: Services will be funded 95% by the Federal Aviation Administration.

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PREVIOUS RELEVANT BOCC ACTION: Acceptance of FAA grant funding this project, August 8, 2007.

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CONTRACT/AGREEMENT CHANGES: New agreement

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STAFF RECOMMENDATION: Approval

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TOTAL COST: E-Mass Supplier – \$137,500.00  
                  URS - \$164,810.00

BUDGETED: Yes

COST TO AIRPORT:  
COST TO PFC: \$15,115.50  
COST TO COUNTY: None

SOURCE OF FUNDS: FAA & PFC's

REVENUE PRODUCING: No

AMOUNT PER MONTH /YEAR:

APPROVED BY: County Attorney X    OMB/Purchasing X    Risk Management X

DOCUMENTATION: Included X

Not Required

AGENDA ITEM # \_\_\_\_\_

DISPOSITION: \_\_\_\_\_

/bev  
AO  
11/06

**MONROE COUNTY BOARD OF COUNTY COMMISSIONERS**

**CONTRACT SUMMARY**

Contract #

Contract with: URS

Effective Date: Execution  
Expiration Date: 365 days

Contract Purpose/Description: Runway Safety Area (RSA) Design Plans and Specifications

Contract Manager: Bevette Moore (name) # 5195 (Ext.) Airports - Stop # 5 (Department/ Stop)

for BOCC meeting on: 9/19/07 Agenda Deadline: 9/4/07

**CONTRACT COSTS**

Total Dollar Value of Contract: Supplier – 137,500.00 Current Year Portion: FY 2007 none  
Budgeted? Yes URS - 164,810.00 Account Codes: 404-630104-GAKD101  
Grant: Yes – FAA & FDOT  
County Match: PFC's

*Funds set up for this account. FDOT portion for ask. FAA portion - ? See note below*

**ADDITIONAL COSTS**

Estimated Ongoing Costs: n/a For: .  
(not included in dollar value above) (eg. maintenance, utilities, janitorial, salaries, etc.)

**CONTRACT REVIEW**

	Date In	Changes Needed Yes No	Reviewer	Date Out
Airports Director	<u>8/30/07</u>	( ) <input checked="" type="checkbox"/>	<u>Peter Horton</u>	<u>8/30/07</u>
Risk Management	<u>8/24/07</u>	( ) ( )	<u>M. Slu...</u> for Risk Management	<u>8/24/07</u>
O.M.B./Purchasing	<u>8/27/07</u>	( ) ( )	<u>Pedro Mercado</u> for OMB	<u>8/27/07</u>
County Attorney	<u>1/1</u>	( ) ( )	<u>Pedro Mercado</u> County Attorney	<u>8/27/07</u>

Comments: see budget acct. notes - FAA GRANT Pending - Pre-

Approved by BOCC 8/8/07

**PURCHASE / SERVICE ORDER**  
**FOR**  
**MONROE COUNTY**

To: URS Purchase Service Order No. 06/07-24

Re: PSA Agreement, Dated: 1-1-02 Resolution

Project Name: Key West International-Runway Safety Area (RSA) Design Plans and Specifications

Description of Services:

(See Attached Scope of Services)


Multiple of Direct Salaries

Lump Sum X Reimbursable Expense

Days to Complete 365 Fee this Service Order E-Mass Supplier \$ 137,500.00  
URS \$ 164,810.00

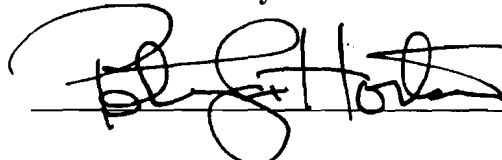
Payment for Services shall be in their entirety as per PSO.

**Prepared by:**

  
Milford A. Reisert

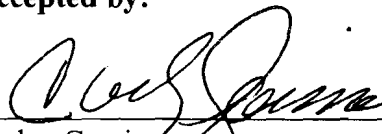
Date: 2-19-07

**Recommended by:**



Date: 8-22-07

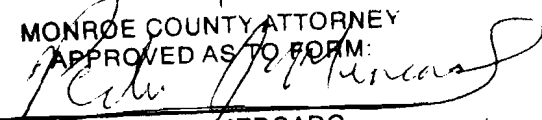
**Accepted by:**

  
Carlos Garcia

Date: 2/20/07

**Approved by:**

Date:

MONROE COUNTY ATTORNEY  
APPROVED AS TO FORM:  
  
PEDRO J. MERCADO  
ASSISTANT COUNTY ATTORNEY 8/27/07  
Date

## Scope of Services

Provide design plans and specification for the design of the runway safety area (RSA) for runway 9 and runway 27 at Key West International Airport. Runway 27 design includes the incorporation of the E- mas supplier's design of the concrete E-mas blocks. The runway 9 design includes the filling in of apportion of the pond in the runway 9 approach to create land for the RSA (400'x600').

The plans and specifications also include the mitigation required as a result of the environmental assessment (EA) recently completed.

RUNWAY SAFETY AREA (DESIGN)  
 KEY WEST INTERNATIONAL AIRPORT  
 MAN-HOUR ESTIMATE  
 URS

JANUARY 23, 2007

Description of Task	Project Manager		Senior Engineer		Engineer/Architect		CADD Technician		Clerk		Total Hours	Other Cost	Total Amount
	Rate:	\$ 135.00	Rate:	\$ 115.00	Rate:	\$ 100.00	Rate:	\$ 75.00	Rate:	\$ 45.00			
	Hours	Amount	Hours	Amount	Hours	Amount	Hours	Amount	Hours	Amount			
<b>DESIGN PHASE</b>													
1. Cover sheet	2	\$ 270.00	0	\$ -	2	\$ 200.00	6	\$ 450.00	0	\$ -	10	\$ -	\$ 920.00
2. Summary of quantities, safety, and security notes	6	\$ 810.00	4	\$ 460.00	30	\$ 3,000.00	24	\$ 1,800.00	0	\$ -	64	\$ -	\$ 6,070.00
3. Project layout plan	2	\$ 270.00	0	\$ -	8	\$ 800.00	8	\$ 600.00	0	\$ -	18	\$ -	\$ 1,670.00
4. Phasing plan	6	\$ 810.00	4	\$ 460.00	24	\$ 2,400.00	24	\$ 1,800.00	0	\$ -	58	\$ -	\$ 5,470.00
5. Grading and drainage plans	8	\$ 1,080.00	2	\$ 230.00	80	\$ 8,000.00	24	\$ 1,800.00	0	\$ -	114	\$ -	\$ 11,110.00
6. Storm water pollution plan	6	\$ 810.00	2	\$ 230.00	16	\$ 1,600.00	0	\$ -	0	\$ -	24	\$ -	\$ 2,640.00
7. Pond relocation (mitigation area 1)	8	\$ 1,080.00	2	\$ 230.00	200	\$ 20,000.00	24	\$ 1,800.00	0	\$ -	234	\$ -	\$ 23,110.00
8. Board walk (mitigation area 2)	8	\$ 1,080.00	2	\$ 230.00	200	\$ 20,000.00	30	\$ 2,250.00	0	\$ -	240	\$ -	\$ 23,560.00
9. Service road relocation plan	8	\$ 1,080.00	4	\$ 460.00	30	\$ 3,000.00	30	\$ 2,250.00	0	\$ -	72	\$ -	\$ 6,790.00
10. EMAS Design and Computer Support (*)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ 137,500.00	\$ 137,500.00
11. Fencing plan and details	4	\$ 540.00	0	\$ -	24	\$ 2,400.00	28	\$ 2,100.00	0	\$ -	56	\$ -	\$ 5,040.00
12. Landscaping	20	\$ 2,700.00	2	\$ 230.00	150	\$ 15,000.00	80	\$ 6,000.00	0	\$ -	252	\$ -	\$ 23,930.00
13. Testing and survey	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ 20,000.00	\$ 20,000.00
14. Cross sections	30	\$ 4,050.00	0	\$ -	80	\$ 8,000.00	80	\$ 6,000.00	0	\$ -	190	\$ -	\$ 18,050.00
15. QA/QC	8	\$ 1,080.00	4	\$ 460.00	24	\$ 2,400.00	24	\$ 1,800.00	0	\$ -	60	\$ -	\$ 5,740.00
16. Contract Documents (Technical Spec., Spec. Provis., Gral. Prov., etc)	8	\$ 1,080.00	2	\$ 230.00	40	\$ 4,000.00	0	\$ -	40	\$ 1,800.00	90	\$ -	\$ 7,110.00
<b>Total Manhours</b>	<b>124</b>	<b>\$ 16,740.00</b>	<b>28</b>	<b>\$ 3,220.00</b>	<b>908</b>	<b>\$ 90,800.00</b>	<b>382</b>	<b>\$ 28,650.00</b>	<b>40</b>	<b>\$ 1,800.00</b>	<b>1482</b>	<b>\$ 157,500.00</b>	<b>\$ 298,710.00</b>
Out of Pocket Expenses													
													\$ 1,600.00
1) Site visit													\$ 2,000.00
2) Printing, mailing, and phone													
<b>Total</b>													<b>\$ 302,310.00</b>

(\*) Design fee by EMAS supplier approved by FAA (\$137,500.00)  
 Balance of design (see scope of services) by URS (\$164,810.00)

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# IKE

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## INDEPENDENT KOST ESTIMATES

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(727) 367-2910

P. O. Box 46681  
St. Pete Beach  
Florida 33741

February 20,2007

Ms. Bevette Moore  
Business Coordinator  
Airports Business Office  
3491 S. Roosevelt Boulevard  
Key West, Florida 33040

Subject: Key West International Airport  
Consultant Fee Assessment

Dear Ms. Moore:

Per our agreement, attached is my assessment of the consultant fees for the proposed AIP Project (Runway 9-27 Safety Area - Design Phase) at Key West International Airport. This estimate covers all tasks which are included in the scope of services for this project.

The estimated consultant fee for the proposed project is \$151,960.

I am also attaching an invoice for \$700 for my services.

Please do not hesitate to call should you have any questions regarding my assessment.

Thank you for giving me the opportunity to prepare this estimate. If I can be of any service in the future, please let me know.

Sincerely,

*Ikars A. Cakarnis*  
Ikars (Ike) A. Cakarnis  
Airport Engineer

Attachments

February 20, 2007

**KEY WEST INTERNATIONAL AIRPORT  
RUNWAY 9-27 SAFETY AREA - DESIGN PHASE**

**INDEPENDENT COST ESTIMATE**

**SUMMARY OF CONSULTANT FEE ESTIMATE**

1. Design Phase	<b>\$ 126,310</b>
2. Field Survey	<b>\$ 17,050</b>
3. Geotechnical Investigations	<b>\$ 3,800</b>
4. Direct Costs (URS)	<b>\$ 4,800</b>

**TOTAL** **\$ 151,960\***

**1. Design Phase**

	<u>Hours</u>		<u>Rate</u>		<u>Cost</u>
Project Manager	120	\$	135	\$	16,200
Senior Engineer	274		115		31,510
Engineer	444		100		44,400
CADD Technician	420		75		31,500
Clerical	60		45		2,700
<b>TOTAL</b>				<b>\$</b>	<b>126,310</b>

\* The cost of EMAS is not included.

## 2. Field Survey

	<u>Hours</u>	<u>Rate</u>	<u>Cost</u>
Three Man Crew	100	\$ 110	\$ 11,000
Prof. Surveyor	12	95	1,140
Technician	48	65	3,120
Direct Costs			240

Sub-Total \$ 15,500

URS Handling Fee (10%) 1,550

**TOTAL \$17,050**

## 3. Geotechnical Investigations

Geotechnical Investigations \$ 3,460

URS Handling Fee (10%) 340

**TOTAL \$ 3,800**

## 4. Direct Costs (URS)

### A. Travel

Miami to Key West

8 tickets x \$400/ticket \$ 3,200

B. Printing, mailing and phone \$ 1,600

**TOTAL DIRECT COSTS \$ 4,800**