

RESOLUTION NUMBER 2007-26486

**RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, APPROVING THE PURCHASE OF A GEOGRAPHIC INFORMATION SYSTEM (GIS) SITE LICENSE FROM ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE INC. (ESRI), IN THE AMOUNT OF \$ 101, 274.**

**WHEREAS**, the purchase of individual ESRI licenses has set the interoperability standard for GIS in the City; and

**WHEREAS**, various City departments have purchased individual ESRI licenses in the past, which provide individual access to GIS data; and

**WHEREAS**, the purchase of an ESRI site license, at a cost of approximately \$101,274, will allow effective Citywide access to GIS information; and

**WHEREAS**, funding for the ESRI site license is from the Water and Sewer Enterprise Fund previously appropriated on June 7, 2006.

**WHEREAS**; the Computerized Maintenance Management System (CMMS) presently in operation in the Public Works Department has been developed to integrate with ESRI software.

**NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA**, that the Mayor and City Commission hereby approve and authorize the purchase of a Geographic Information System (GIS) site license from Environmental Systems Research Institute, Inc. (ESRI), in the amount of \$ 101,274.

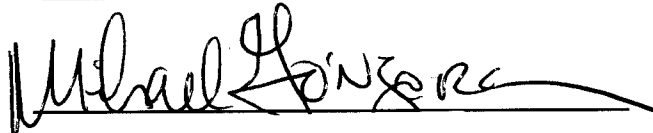
Passed and adopted this 14th day of March, 2007.

ATTEST:



**CITY CLERK**

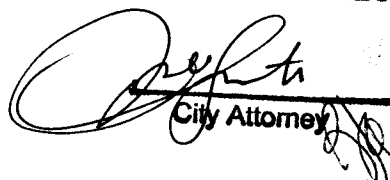
Robert Parcher



Michael Góngora  
Vice-Mayor

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**APPROVED AS TO  
FORM & LANGUAGE  
& FOR EXECUTION**

  
City Attorney

3/8/07  
Date

**Condensed Title:**

A Resolution approving the purchase of a Geographic Information System (GIS) Site License from Environmental Systems Research Institute, Inc. (ESRI).

**Key Intended Outcome Supported:**

Well maintained infrastructure, Well maintained facilities.

**Issue:**

Shall the Mayor and City Commission approve the purchase of a GIS site license?

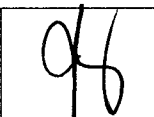
**Item Summary/Recommendation:**

The purchase of the ESRI site license will expand the individual license available to some departments into a Citywide ability to access GIS technology. Other companies provide GIS Software. However, these GIS software products would not be compatible with the Computerized Maintenance Management System that has been developed using the ESRI geo-database structure in Public Works.

ESRI software for GIS was part of the original proposal in 2004 for an integrated Infrastructure Management System (IMS) which included a Computerized Maintenance Management System (CMMS) integrated with GIS. The IMS was awarded after a competitive bid process which included presentations by five companies. Four of the five companies proposals included the use of ESRI, GIS software.

The Administration recommends adopting the Resolution.

**Advisory Board Recommendation:****Financial Information:**



Source of Funds:		Amount	Account	Approved
 OBPI	1	90,000	425-0420-000325	
	2	11,275	425-0410-000325	
	3			
	4			
	<b>Total</b>	101,275		

**Financial Impact Summary:**

**City Clerk's Office Legislative Tracking:**

R. Halfhill, Public Works ext. 6833

**Sign-Offs:**

Department Director	Assistant City Manager	City Manager
FHB	 RCM	 JMG

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MIAMIBEACH

AGENDA ITEM

C7L

DATE

3-14-07



## COMMISSION MEMORANDUM

TO: Mayor David Dermer and Members of the City Commission

FROM: City Manager Jorge M. Gonzalez

DATE: March 14, 2007

SUBJECT: **RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA APPROVING THE PURCHASE OF A GEOGRAPHIC INFORMATION SYSTEM (GIS) SITE LICENSE FROM ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE INC. (ESRI).**

### ADMINISTRATIVE RECOMMENDATION

Adopt the Resolution.

### FUNDING

Funding for the ESRI site license is from the Water and Sewer Enterprise Fund previously appropriated June 7, 2006.

### ANALYSIS

ESRI software for GIS was part of the original proposal for an Infrastructure Management System (IMS) in Public Works which included a Computerized Maintenance Management System (CMMS) integrated with GIS. A Request for Proposals (RFP) was issued in 2004. ESRI software was featured in four of the five responses. The contract for the development of the CMMS portion of the project was awarded to Camper Dresser, McKee, Inc. in 2005.

The Public Works, Fire, Police, Parks and Planning Departments have, in the past, purchased individual licenses for ESRI software. The GIS System Manager, working with the IT Department, will consolidate these individual licenses and expand the current limited access into a citywide site license at a cost of \$101,275 and enable access to the GIS by all departments.

There are other companies that provide GIS software. However, these GIS software products would not be compatible with the state of development of the IMS because the CMMS geo-database component already has been developed using the ESRI standard.

Working closely with the Information Technology Department, and the IT Steering Committee, the Public Works Department has made significant progress in developing the IMS. Major accomplishments include:

- CMMS operational in Utilities, Streets, Streetlights and Sanitation.
- GIS User Group established.
- GIS Manager hired.
- Data Stream, 7i Facilities CMMS has been upgraded and is operational.

- Facilities Assessment CMMS VFA Program has been implemented.
- Contracted for the conversion of 164,000 features into GIS Data Points.
- Purchased CMMS Site License for Public Works and Parks Department
- Corrected City Addressing System.
- Subscribed to Miami-Dade County GIS Data Service

The IMS program is an important asset to many departments in the City. The newly hired GIS System Manager will be working to integrate GIS with the Public Works CMMS for infrastructure management and with all Departments with respect to their individual requirements for informational mapping. Approval of this request would provide access and allow for expanded development of the GIS.



Invoice : 91499371 Document date : 02/20/2007  
Order : 1560015 Delivery : 81051766  
Customer : 142437 Contract :  
Customer PO : QUOTE BECKMANN  
P.O. Date : 01/26/2007  
End User : 142437 CITY OF MIAMI BEACH  
Project :

Phone: (909)793-2853

*Bill to:*

FRED BECKMANN  
CITY OF MIAMI BEACH  
PUBLIC WORKS DEPT  
4TH FL  
1700 CONVENTION CTR DR  
MIAMI BEACH FL 33139

## Invoice

Page : 1

*Ship to:*

BERT DARRESTYN  
CITY OF MIAMI BEACH  
PUBLIC WORKS DEPT  
4TH FL  
1700 CONVENTION CTR DR  
MIAMI BEACH FL 33139

For questions regarding this document, please contact Customer Service at 888-377-4575.  
Terms of payment: Net Due 30 days, no discount

Item	Qty	Product Number	Price
1000	3	88925 ArcInfo Upgrade from ArcView Single Use	29,700.00
1010	3	104220 ArcGIS Desktop 9.2 Installation Package	
1020	3	52382 ArcInfo Floating License	
1030	3	101743 ArcGIS and Concurrent Use PC CPU ID USB Hardware Key	
2000	1	99736 ArcGIS Network Analyst Concurrent Use License	2,500.00
3000	1	92622 ArcGIS Survey Analyst Concurrent Use License	2,500.00
5000	5	97189 ArcGIS Engine Standard Runtime Windows License	2,500.00
6000	1	104585 ArcGIS Server Advanced Enterprise Windows Up to Two Sockets Maximum Two Cores per Socket License	36,000.00
7000	1	104992 ArcGIS Server Staging Advanced Enterprise Windows Up to Two Sockets Maximum Two Cores per Socket License	20,000.00
7010	2	105219 ESRI Developer Network Subscription Bundle	3,000.00
7020	2	104927 ESRI Developer Network Term Multi Product without ArcView License	



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## Invoice

Page : 2

Item	Qty	Product Number	Price
7030	2	99900 ESRI Developer Network ArcWeb Services License	
7040	2	104151 ESRI Developer Network (EDN) 9.2 Installation Package	
7050	1	97533 ArcIMS Windows One Server Two CPUs License	5,000.00
Items total			101,200.00
Subtotal			101,200.00
Shipping & Handling			74.66
<b>Total:</b>			<b>\$ 101,274.66</b>

FEIN: 95-2775732

DUNS/CEC: 06-313-4175

please detach lower portion and return with remittance



Remit by Check:

Electronic Instructions:

Environmental Systems Research Inst.  
File 54630  
Los Angeles, CA 90074-4630

Environmental Systems Research Inst.  
Bank: Bank of America  
Wire ABA: 026009593 Acct# 1496150335  
ACH ABA: 121000358 Acct# 1496150335

FRED BECKMANN  
CITY OF MIAMI BEACH  
PUBLIC WORKS DEPT  
4TH FL  
1700 CONVENTION CTR DR  
MIAMI BEACH FL 33139

Invoice : 91499371 Document Date : 02/20/2007  
Order: 1560015  
Payer: 142437 Total : \$ 101,274.66

Payment Amt : \$ \_\_\_\_\_