COUNTY OF LOS ANGELES

CHIEF INFORMATION OFFICE
Los Angeles World Trade Center
350 South Figueroa Street, Suite 188
Los Angeles, CA 90071

RICHARD SANCHEZ
CHIEF INFORMATION OFFICER

Telephone: (213) 253-5600
Facsimile: (213) 633-4733

June 10, 2013

To: Supervisor Mark Ridley-Thomas, Chairman
    Supervisor Gloria Molina
    Supervisor Zev Yaroslavsky
    Supervisor Don Knabe
    Supervisor Michael D. Antonovich

From: Richard Sanchez
    Chief Information Officer

LOS ANGELES REGIONAL IMAGERY ACQUISITION CONSORTIUM 3 PROJECT COMPLETION

I am pleased to announce the completion of the third Los Angeles Regional Imagery Acquisition Consortium Program, referred to as LAR-IAC 3. LAR-IAC is a multi-jurisdictional arrangement that enabled participating local governments to benefit from combined economies of scale to efficiently and cost-effectively acquire high-definition aerial imagery.

PROJECT DESCRIPTION

Initially established in 2003, LAR-IAC delivered highly accurate digital aerial images and elevation datasets to the Consortium participants. The sharing of costs for this Program saved participants an estimated $10 million in acquisition costs since its inception. Over 60 cities, plus numerous County departments and agencies, have benefited through these cost savings. The full list of participants is attached.

LAR-IAC 3 included a Countywide fly-by, capture, and distribution of updated high resolution four-inch orthogonal and oblique imagery with independent quality assurance/control of the product.

The cost for this product was $2.9 million which was successfully recovered through participant contributions, as shown below. The participation shown by these agencies demonstrates the value of this Program during these difficult fiscal times.
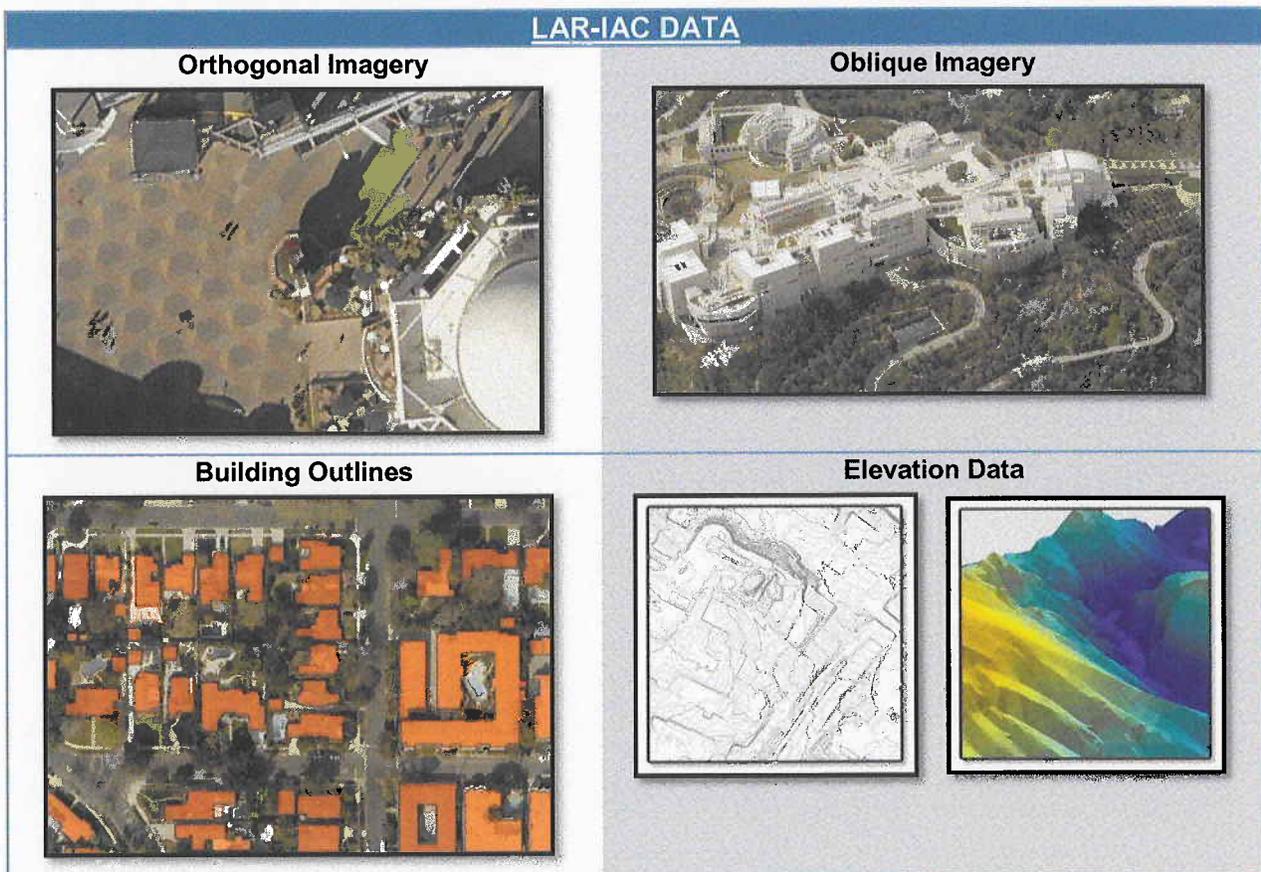
Funding Source	Contribution Amount
LAR-IAC 2 Surplus (carryover)	$ 180,000
County GIS Program	$1,000,000
Cities and Agency Partners	$1,720,000
Total	$2,900,000

LAR-IAC 3 Enhancements

LAR-IAC 3 introduced a number of enhancements focused on providing greater access to a wider audience.

- The externally hosted Pictometry Online (POL) (http://pol.pictometry.com), allows participants to manage their own mapping layers in the application in addition to County-provided layers;

- Access to LAR-IAC 3 mapping services hosted by the County, enables participants to reduce their infrastructure spending by leveraging the County's Enterprise GIS resources and increase application development speed; and

- A new licensing model for colleges and universities provides data to students and faculty for research and training purposes. This will help train the County's future workforce using the most accurate geo-data information.

The images below illustrate samples of LAR-IAC aerial data products.

LAR-IAC DATA

Orthogonal Imagery

Oblique Imagery

Building Outlines

Elevation Data

The success of LAR-IAC has highlighted the value of cooperative acquisition and development of geographic data. A continued partnership with the US Geological Survey has resulted in a lower resolution version of this imagery being placed in the public domain and used by Federal agencies for emergency response, used in Microsoft Bing Maps as the standard imagery when zoomed into the County, and incorporated into the popular mapping application Google Earth.

LAR-IAC 4

With the value and product quality, the Consortium participants have shown an ongoing commitment to supporting the LAR-IAC Program. The Chief Information Office, in collaboration with LAR-IAC, is developing a Request for Proposal (RFP) targeted for this fall that will seek to update the image data, building representations obtained in 2008, and digital elevation acquired in 2006.

Contributions from existing participants will be used to defray the costs of refreshing this data. The support of your Board by authorizing the use of the Information Technology Fund (ITF) to provide bridge funding of $2 million has been critical to the success of LAR-IAC. While never used, it provided the necessary support to finalize contract development and participant funding.

CONCLUSION

LAR-IAC is an internationally recognized model of regional cooperation, garnering attention for enabling participating governments to efficiently and cost-effectively acquire and provide high quality imagery-based services. The County established a reputation as a visionary leader in the open and collaborative development and use of geographic information.

Through consortium program meetings, workshops, and user groups, LAR-IAC has supported knowledge transfer and alignment of effort among cities, which led to the improved use of aerial imagery and other geographic data products.

LAR-IAC's collaboration with educational institutions is providing the next generation of geospatial professionals and leaders with high quality data, which will improve their research, make it more relevant for the County, and through the development of new geospatial capabilities, help drive economic growth.

The ultimate beneficiaries of the LAR-IAC Program are the public, who benefit from lower total cost to government, better application of resources, and more efficient government operations.

If you have any questions or require additional information, please contact me or Mark Greninger, GIS Systems Officer, at 213-253-5624 or mgreninger@cio.lacounty.gov.

RS:MG:sjc

Attachment

c: Executive Officer, Board of Supervisors
   Chief Executive Officer
   IT Board Deputies

LAR-IAC PARTICIPANTS

#	Cities	LAR-IAC 1	LAR-IAC 2	LAR-IAC 3
1	City of Agoura Hills	X		X
2	City of Azusa	X	X	
3	City of Bellflower			X
4	City of Beverly Hills	X	X	X
5	City of Burbank	X	X	X
6	City of Carson	X	X	X
7	City of Cerritos	X	X	
8	City of Claremont		X	X
9	City of Covina	X	X	
10	City of Culver City	X	X	X
11	City of Diamond Bar	X	X	
12	City of Downey	X		X
13	City of El Segundo	X	X	X
14	City of Glendale	X	X	X
15	City of Hermosa Beach	X	X	X
16	City of Industry	X	X	X
17	City of Inglewood	X	X	X
18	City of Irwindale	X	X	
19	City of La Canada Flintridge	X	X	X
20	City of La Habra Heights	X	X	
21	City of Lakewood	X	X	X
22	City of Lancaster	X		
23	City of Long Beach	X		X
24	City of Los Angeles	X	X	X
25	City of Manhattan Beach	X	X	X
26	City of Monrovia	X		
27	City of Monterey Park	X	X	
28	City of Palmdale	X		
29	City of Pasadena	X	X	X
30	City of Redondo Beach	X	X	
31	City of San Dimas			X
32	City of Santa Clarita	X	X	X
33	City of Santa Fe Springs	X		X
34	City of Santa Monica	X	X	X
35	City of South El Monte	X	X	
36	City of South Pasadena			X
37	City of Torrance	X	X	X
38	City of Westlake Village	X		
39	City of Whittier	X	X	X

#	Agencies	LAR-IAC 1	LAR-IAC 2	LAR-IAC 3
	County Departments			
40	Agricultural Commission/Weights and Measures	X	X	X
41	Chief Executive Office/Office of Emergency Management	X	X	X
42	Department of Animal Care & Control			
43	Department of Beaches & Harbors	X	X	X
44	Department of Children & Family Services			
45	Department of Community & Senior Services			
46	Department of Health Services	X	X	X
47	Department of Mental Health			
48	Department of Parks & Recreation	X	X	X
49	Department of Public Health	X	X	X
50	Department of Public Social Services			
51	Department of Public Works	X	X	X
52	Department of Regional Planning	X	X	X
53	Fire Department		X	
54	Internal Services Department	X	X	X
55	Office of the Assessor	X	X	X
56	Probation Department			
57	Public Library		X	X
58	Registrar-Recorder/County Clerk	X	X	X
59	Sheriff's Department		X	X
	Local Agencies			
60	Alameda Corridor Transportation Authority		X	
61	Caltrans	X		
62	LA County Sanitation Districts	X		
63	LARGIN (LA Region Gang Information Network)	X	X	
64	Port of Los Angeles	X	X	X
65	Santa Catalina Island Conservancy	X	X	
66	US Geological Survey		X	
67	Amigos de Los Rios			X
68	US National Guard			X
69	Los Angeles Air Force Base			X
	Educational Institutions			
70	Palos Verdes on the NET			X
71	California State University Long Beach	X	X	X
72	California State University Los Angeles		X	
73	University of Southern California (USC)	X	X	X
74	University of California at Los Angeles (UCLA)	X	X	X