

LAR-IAC2

**Los Angeles Region –  
Imagery Acquisition Consortium  
(LAR-IAC2)**

**Briefing Meeting #3**

**July 24, 2008**



LOS ANGELES REGION  
**LAR-IAC2**  
imagery acquisition consortium

Prepared by:  
Los Angeles County

LAR-IAC2

## Agenda

- Welcome & Introduction – LA County
- LAR-IAC2 – LA County Status – Nick Franchino
  - Overall Project Status
- Vendor Presentations
  - Pictometry
  - Sanborn
  - Dewberry
- LAR-IAC2 – LA County Important Items
  - Invoicing and Participant Agreements
  - TAG related items
  - Finalizing geographic extents for participants
  - Building Outlines

LAR-IAC2

## Overall Project Status

- The LAR-IAC2 Project is moving along
- From last time:
  - Contracts are finalized
  - County funding secured (ITF through CIO)
  - Flying/capturing completed April 30<sup>th</sup>, 2008
  - We currently have 43 participants
    - 27 cities, 12 County departments and 5 other public agencies
  - We still need some Participant Agreements signed; we will be doing more invoicing

LAR-IAC2

## Project Status (Contd.)

- Aerial Triangulation (AT) Processing is well underway
- Some larger than expected issues have arisen in the AT
- Vendors working together to resolve the issues
- More details in Vendor presentations

## More on Status

- Oblique imagery is as scheduled
- Separate delivery
  - Oblique imagery and a simple guide (for integrating into your current setup)
- Reminder e-mail as delivery date approaches

## Simplified Schedule

- May-Oct 2007 scope out LAR-IAC2 needs and get support from participants (ongoing after that)
- Sep-Dec 2007 setup contracts (all firms)
- Oct-Nov 2007 setup bridge funding (CIO and CEO)
- Jan-Feb 2008 finalize contracts
- Jan 2008 start flying
- Mar-Apr 2008 flying completed...start processing
- Apr-Sep 2008 AT Processing (new here)
- Aug-Oct QA/QC underway
- Sep-Dec 2008 delivery underway

Red = completed

## Next Presentations

Pictometry  
Sanborn  
Dewberry



## More Discussion Items

- Invoicing and Participant Agreements
- TAG related items
- Finalize geographic area for participants
- Building Outlines

## Invoicing and PAs

- We are invoicing now (another round may go soon)
- We need at least a partial payment from those cities that still need to do that
- Here is a list of participants and their status (see last page)

## Invoicing and PAs (Contd.)

- Please follow up with Mark Greninger
- Oblique imagery delivery will begin next month
  - Data won't be shipped without the PA and the first payment

## Missing Cities?

- Haven't heard from these cities in a while. Does anyone know any contacts there? To see if they are still interested.
  - Agoura Hills
  - El Segundo
  - Hermosa Beach
  - Long Beach
  - Monrovia
  - Westlake Village

## Technical Advisory Group (TAG)

- Some items the TAG has been working on:
  - Hard drives for:
    - Oblique imagery delivery
    - Ortho imagery delivery
 The deliveries will come separate (based on the project schedule)
  - Oblique imagery compression
    - Getting closer on a decision on this
  - Radiometry samples (not yet ready to do this)

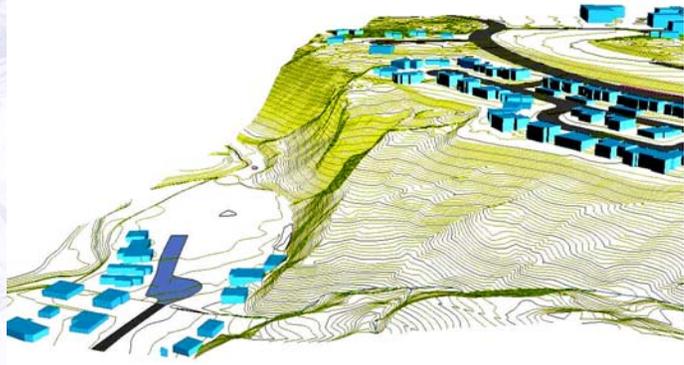
## Geographic Extents

- Finalize geographic extents for participants
- An e-mail was sent out (by Lois Yoon of my staff)
- The grids changed a little; other factors might have changed
- Please get back to us timely

## Building Outlines

- **LAR-IAC 2 will include building outlines (rooflines)**
  - Every building over 400 square feet
  - Will match LARIAC accuracy standards
  - Simple Building Outline
  - 2D Polygon with Elevation Attribute
- **LAR-IAC 2 will allow participants to “buy up”**
  - **Building Models**
    - Same type, smaller size: \$.53 per building
    - 2 ½ D: \$1.00 per building
    - 3D: \$2.00 per building
  - **Textures**
    - Geo-Typical: \$1.40 per building
    - Photo-realistic: \$38.00 per building

## Buildings included in LAR-IAC2



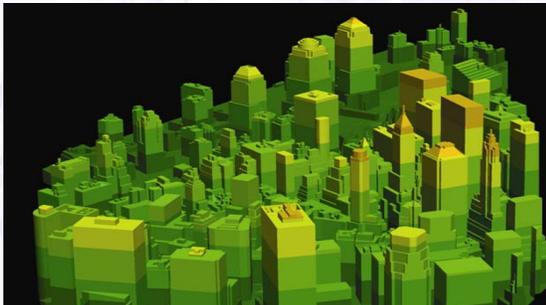
## 2 ½-D Buildings <sup>Optional</sup>

- Buildings will have a point measured for each rooftop break point polygon. A rooftop break point shall be placed where there is a change in elevation of three stories (33 feet) or more



## 3D Buildings Optional

- Buildings will have a point measured for each rooftop break point polygon of more than one story (11 feet). Slopes domes and other features will be accurately modeled to represent the building geometry.



3D Product Sample

## Textures – Geo-Typical

- For this production step Sanborn develops a library of textures that can be found within the area of interest. This library of textures is then applied randomly to the building geometry. Optional



An example of texturing of 2 1/2-D block style buildings draped with geo-typical texture with a color orthoimagery base

## Textures – Photo Real Optional

- Sanborn acquires source imagery for the sides of each building requiring texturing. The imagery is then “draped” over the building geometry in order to best represent a real world view of the building.

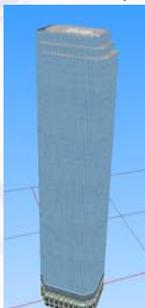


Photo Realistic Textured Building



Geo-Typical and Photorealistic Textures combined

## Cost Matrix

3D Building Models	
<b>2D Buildings (LAR-IAC2 style)</b>	\$0.53 per building
<b>2 1/2-D Geometry (optional):</b>	\$1.00 per building
<b>3D Geometry (optional):</b>	\$2.00 per building
Textures	
<b>Geo-typical Textures (optional):</b>	\$1.40 per building
<b>Photo Real Textures (optional):</b>	\$38.00* per building

## Final Thoughts

- We are moving forward
- Orthos are behind (but quality and accuracy are most important)
- Obliques are on schedule
- More to be done
- Please get your stuff into us (LOI, PA and/or payments)

## Los Angeles Region – Imagery Acquisition Consortium (LAR-IAC2)

### Questions/Comments?

July 24, 2008



Prepared by:  
Los Angeles County

## Status of LOI, PA and Invoices LAR-IAC2

City Participants	LOI	PA	Remaining Balance
City of Agoura Hills			
City of Azusa	X	X	Half
City of Beverly Hills	X		Full
City of Burbank	X	X	None
City of Carson	X		Full
City of Cerritos	X	X	Half
City of Claremont	X	X	Half
City of Covina	X	X	Full
City of Culver City	X		Full
City of Diamond Bar	X	X	Half
City of El Segundo			
City of Glendale	X		Full
City of Hawthorne	X	X	Half
City of Hermosa Beach			
City of Industry	X	X	None
City of Inglewood	X		Full
City of Irwindale	X	X	Half
City of La Canada Flintridge	X		Full
City of La Habra Heights	X		Full
City of Lakewood	X		Half
City of Long Beach			
City of Los Angeles	X		Full
City of Manhattan Beach	X	X	Half
City of Monrovia			
City of Monterey Park	X		Full
City of Palmdale	X		Full
City of Pasadena	X		Full
City of Santa Clarita	X		None
City of Santa Monica	X	X	Half
City of South El Monte	X		10%
City of Torrance	X		Full
City of Westlake Village			
City of Whittier	X		Full
Other Agencies	LOI	PA	Remaining Balance
LARGIN (LA Region Gang Information Network)	X		Full
Los Angeles Unified School District	X		Full
Santa Catalina Island Conservancy	X	X	Half
US Geological Survey	X	X	Half
Joint Regional Intelligence Center (JRIC)	X		Full
Yellow = new participant for LAR-IAC2			