A New Perspective on Imagery: Integrating Oblique Photography

Shannon Porter
Oblique photography – What is it?

• Low elevation angled photography taken in multiple directions.
• Facilitate viewing structures on all four sides, measuring of heights, and creating 3D representations of buildings.
Oblique photography - Who would use it?

• Appraiser
• Emergency Response
• Law Enforcement
• GIS
• Planning
Obliques
Background

- Regional flight flown Spring 2006
  - 2 Vendors responded
- 4 inch pixel resolution
- Approximately 42,000 images
- 280 GB
Background

• Johnson County, Kansas is about 500 square miles
• Part of the Kansas City Metro area
• Population is estimated over 515,000 people
• Still a mix of Urban/Rural
Integration Challenges

- Large Size
- Format (ECW)
- “Closed systems”
- New Developing Technology
Current Access

- Multivision
- Arcmap
- Web - Johnson County Online Mapping
Multivision
Multivision – SDE Access

ArcSDE Connection Parameters Settings
- SDE Service Server Name: admcaimdsv01
- SDE Service Name: aims_sde
- Geodatabase Name: jocopub
- Data Provider Type: MS_SQL_Server_2000

SDE Vector Layer Selection
- Select one ArcSDE Layer as Source:
  - DEFAULT.Address_PT
  - DEFAULT_ADDRESS_PT_VW0
  - DEFAULT_ADDRESS_PT_VW1
  - DEFAULT_ADDRESS_PT_VW2
  - DEFAULT_ADDRESS_PT_VW3
  - DEFAULT_ADDRESS_PT_VW4
  - DEFAULT.AddressHistory_PT

Importing properties...
- Select fields for onscreen display:
  - NEXT =>
  - < PREVIOUS

Load Default | Simple | Cancel

DONE | Cancel
Multivision - SDE Access
Arcmap
Web
Web
Future Access Goals

- Orion
- Tritech
- Intergraph
- WebEOC
Conclusions

- Work in progress
- Still Evaluating
- Use with SDE is possible
- Use on web is possible