

GSA Program

Presentation at COFPAES

QBS process for Nationwide 3D Laser Scanning Services
& Building Information Modeling

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GSA - Public Buildings Service
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Building Information Modeling

BIM is the emerging technology essential to deliver efficient, sustainable, and innovative buildings, in our efforts to greening the government.

Priorities—The GSA BIM Guide Series

01—Overview

02—Spatial Program Validation

03—3D Imaging

04—4D Phasing

05—Energy Performance and Operation

06—Circulation and Security Validation

07—Building Elements

Spatial Program BIM Guide Series 02

BIM Guide Series 02: Spatial Program BIM

Minimum Requirement for Spatial Program BIM

All major projects that receive design funding in FY2007 and beyond are required to submit a spatial program BIM prior to final concept presentation.

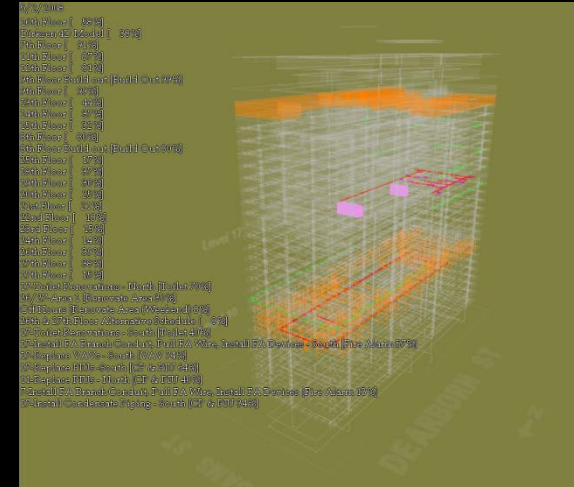
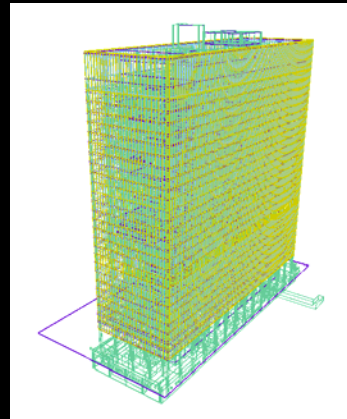
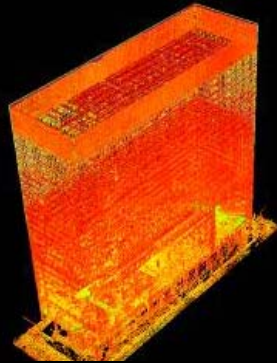
3D Laser Scanning Guide Series 03

The business need for laser scanning

- Capture, validate, and report the spatial information of our building assets
- Faster, more accurate, and less expensive production of 2D and 3D models of existing building conditions.

4D Phasing Guide Series 04

BIM - Dirksen Courthouse

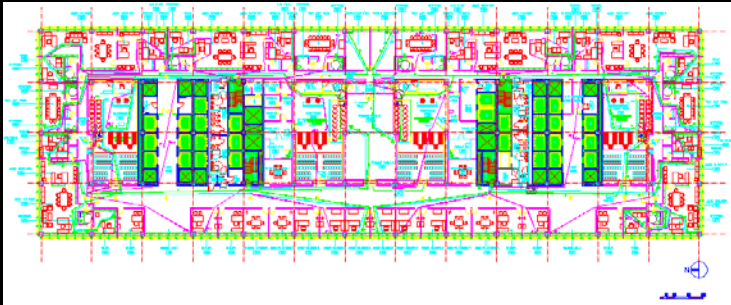


Building Features

Point Cloud Deliverable

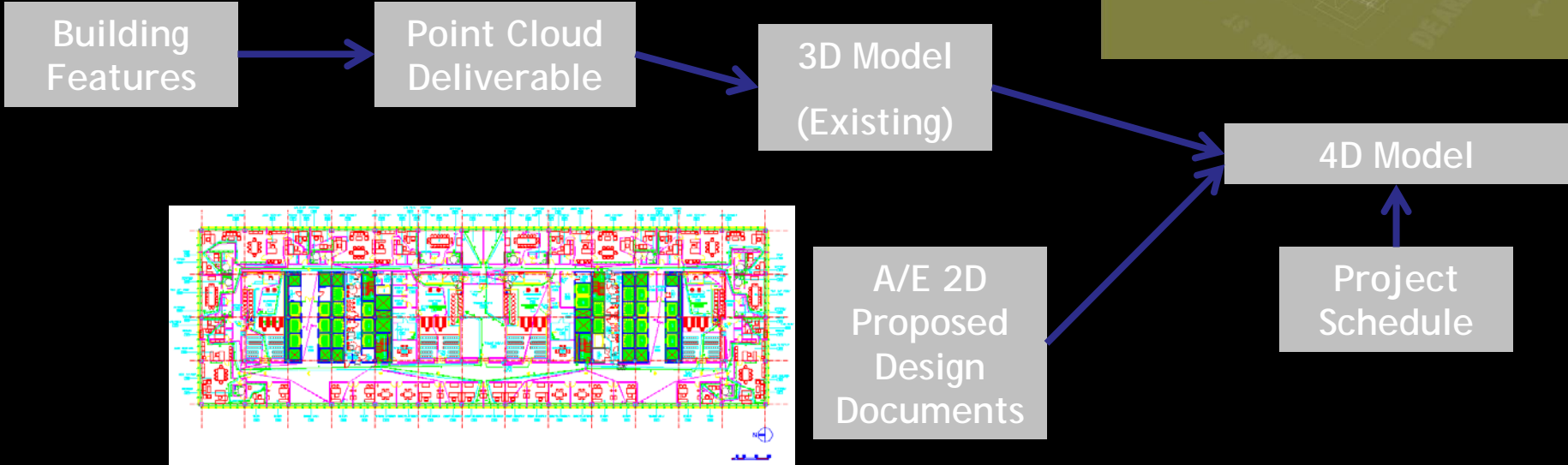
3D Model (Existing)

4D Model



A/E 2D Proposed Design Documents

Project Schedule



Energy Performance & Operations Guide Series 05

Energy Analysis Projects

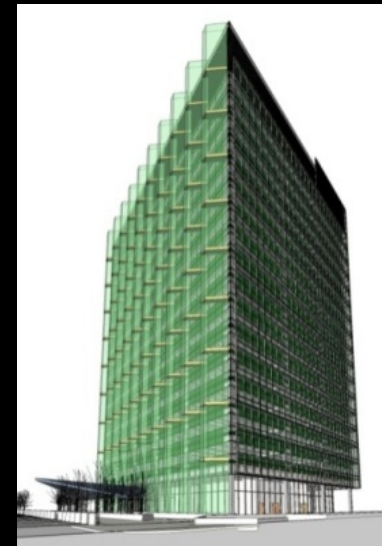
Federal Border
Station, Warroad, MN



Federal Office
Building, Newark, NJ



Federal Office Building,
Portland, OR



Process



Tools



Implementation



IDIQ

Building Information Modeling

IDIQ nationwide contracts:

- BIM Services
- Laser Scanning Services

Building Commissioning

IDIQ nationwide contracts in place

Six Multiple Award IDIQ 3D Laser Scanning Contracts

1) Stantec Consulting Services, Mount Laurel, NJ 08054

Contract No. GS-00P-09-CY-D-0296

2) Quantapoint, Inc., Pittsburgh, PA 15236

Contract No. GS-00P-09-CY-D-0297

3) Pharos Consulting, LLC, Orlando, FL 32835

Contract No. GS-00P-09-CY-D-0298

4) Beck Technology, LTD, Dallas, TX 75201

Contract No. GS-00P-09-CY-D-0300

Small Business

5) Coign Asset Metrics & Tech, LLC, New Brighton, PA 15066

Contract No. GS-00P-09-CY-D-0299

6) Architectural Resource Consultants, Irvine, CA 92614

Contract No. GS-00P-09-CY-D-0301

Ten Multiple Award IDIQ BIM Services

1) Beck Technology, Dallas, TX 75201
Contract No. GS-00P-09-CY-D-0283

2) DPR Construction, Inc., Falls Church, VA 22042
Contract No. GS-00P-09-CY-D-0285

3) Ghafari Associates, LLC, Dearborn, MI 48126
Contract No. GS-00P-09-CY-D-0286

4) KlingStubbins, Inc., Philadelphia, PA 19103
Contract No. GS-00P-09-CY-D-0288

5) HNTB Corporation, Kansas City, MO 64105
Contract No. GS-00P-09-CY-D-0289

Ten Multiple Award IDIQ (continued) BIM Services

Small Business

6) Applied Software Technology, Atlanta, GA 30329
Contract No. GS-00P-09-CY-D-0284

7) Hallam Associates, Inc., South Burlington, VT 05403
Contract No. GS-00P-09-CY-D-0287

8) ONUMA, Inc., Pasadena, CA 91106
Contract No. GS-00P-09-CY-D-0290

9) View by View, Inc., San Francisco, CA 94109
Contract No. GS-00P-09-CY-D-0291

10) Kristine Fallon Associates, Inc., Chicago, IL 60603
Contract No. GS-00P-09-CY-D-0292

BIM Strategy Today & Tomorrow -Overview

1. BIM Guide for Energy to publish - FY2009
2. Expand on GSA's minimum BIM requirements – FY2010
3. Current incentives will be phased out – FY2010
4. Full BIM Adoption for “High Performance Buildings” Delivery - FY2010
5. Facility Management
6. Explore Contractual Opportunities / Changes to Federal Acquisition Regulations (FAR)

Questions

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National Office of Design and Construction Programs
For more information visit: www.gsa.gov