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BIM IMPLEMENTATION ANNOUNCEMENT

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The Division of State Facilities has completed the task of preparing the Building Information Modeling (BIM) Guidelines and Standards for implementation July 1, 2009. You may view and download these and related information from the DSF website.

http://www.doa.state.wi.us/dsf/masterspec_view_new.asp?catid=61&locid=4

The following topics may be of interest:

What projects require these BIM guidelines and standards?

This BIM Guideline and Standard applies to DSF A/E selections advertised on or after July 1, 2009 for the following projects:

- *Required on all construction (new and addition/alteration) with total project funding of \$5M or greater,*
- *Required on all new construction with total project funding of \$2.5M or greater,*
- *Required on all addition/alteration construction with total project funding of \$2.5M or greater that includes new addition costs of 50% or more of total,*
- *Encouraged but not required on all other projects.*

Data from the 07-09 Biennium shows that DSF made A/E selection for nearly 700 projects. Applying this criteria to that same period less than 40 projects would be required to use these guidelines and standards. It is noted that many of these A/Es are performing portions of the work using BIM authoring software without any imposed guidelines and standards. The value of the implementation is that although these projects make up only 5% of the count, they represent \$ 700 million making up 60% of the advertized budgets.

There are 5 projects over the \$5 Million threshold up for A/E selection in the next few months, followed by 18 more over the course of the 09-11 Biennium. This closely tracks the previous 2 years. These projects include Department of Military Affairs, Department of Administration, Department of Corrections, and University of Wisconsin System.

What is on the DSF BIM Guideline and Standards website?

BIM Implementation Announcement
DSF BIM Guidelines and Standards
Findings and Recommendations Report
JBIM Fall 2008 Wisconsin Leads by Example

What is covered in the Guidelines and Standards?

These guidelines cover the A/E services in a design-bid-construct project delivery format from initial planning concepts up to bidding documents, then project closeout.

- Required use of BIM and 3D software
- Model Quality
- Work Effort Compensation Schedule
- Expectations and relationship to current A/E Policy and Procedure Manual
- Expectations for modeling existing conditions
- Expectations of disciplines application

These guidelines are not static and may change over time as other guideline segments are completed for Construction, Facility Management, and Planning.

How will DSF receive comments, suggestions, and feedback on these requirements? A web based forum site has been established for public viewing and commenting. Participation on the forum is open to anyone and DSF invites the AECOO community, DSF Staff, and State Agencies to comment on the DSF BIM Standards and Guidelines.

See instructions on the forum site for registration information.

<http://dsfbimstandards.forumco.com/default.asp>

What is the basis for these Guidelines and Standards?

A project was initiated to document the findings and seek recommendations related to BIM applications to meet needs of State of Wisconsin within the general capabilities of the professionals and the technology.

The findings and recommendations report includes an overview of the BIM technology transforming the construction industry with recommendations that were the basis of the implementation strategy. The report is organized around the following topics:

Preface

Executive Summary

1.0 Introduction

- 1.1. Three Driving Forces of Change
- 1.2. Building Information Modeling
- 1.3. Interoperability
- 1.4. BIM Maturity in Various A/EC Industries

2.0 The Owner/Operator

- 2.1 Facility Documentation and Assessment
- 2.2 Capital Facility Planning
- 2.3 Design Assessment
- 2.4 Project Communications and Collaboration
- 2.5 Geographical Information Systems GIS
- 2.6 Facility Management
- 2.7 Long Term Data (asset) Management

3.0 The Designers (A/E)

- 3.1. BIM Technologies
- 3.2. Project collaboration
- 3.3. Model Quality Assurance
- 3.4. Work Effort Shift

4.0 The Constructors

- 4.1. Virtual Construction
- 4.2. Construction Analysis and Planning
- 4.3. Cost and Schedule Management
- 4.4. Offsite Fabrication
- 4.5. Onsite Construction

5.0 The Long Term Vision

- 5.1 Long Term Vision
- 5.2 Mid-Term Goals
- 5.3 Implementation Strategy

END OF ANNOUNCEMENT