

# **Building Information Modeling for Masonry**

**Phase II, Project 4, Tasks 1-7  
Contractor Input Project (CIP)**

**Progress Report June 2014**

**Presented To:**

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**Submitted By:**

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## 1. Project Manager Activities To-Date

August, 2013	Attended AGC-STL BIM Forum, St. Louis, MO
September, 2013	Created Contractor Input Work Group (CIWG) website <i>www.ciwg.weebly.com</i>
October, 2013	Attended MCAA Mid-Year Meetings, Orlando, FL  Attended BIM-M Executive Committee meeting, Herndon, VA  TMS BIM-M committee meeting, Herndon, VA
November, 2013	CIWG project schedule planning  CIWG participant database research and planning
December, 2013	Attended Autodesk webinar: BIM for Project Managers  Attended MCAA BIM-M materials webinar  Initial CIWG email database created  Initial project work flow chart created  Initial mason contractor BIM "Scenarios of Use" planning  CIWG Survey S1 planning (for gathering CIWG participant information)
January, 2014	Created CIWG email database  CIWG Survey S1 link sent out via email (27 emails using the CIWG email database)  Created CIWG business card and pamphlet for World of Masonry (WOM) BIM-M booth  Manned BIM-M booth with David Biggs at WOM/MCAA meetings, Las Vegas, NV  Presented BIM-M/Contractor Input Project update at MCAA annual meeting, Las Vegas, NV
February, 2014	Processed WOM/MCAA BIM-M booth attendee information  Follow up emails to WOM/MCAA booth attendees wanting to participate with CIWG (included Survey S2 link, similar to Survey S1)

	Drafted title and description for March BAC Brick and Block Craft Committee meeting
March, 2014	Presented CIWG information at the BAC Brick and Block Craft Committee meeting, Hollywood, FL
	Updated CIWG participant email database following BAC meeting
	Survey S3 emailed out to establish date and time for first CIWG conference call (33 participants invited)
April, 2014	Conducted first CIWG conference call (April 3, approximately 10 attendees, hosted by Georgia Tech)
	Attended the TMS BIM-M committee meeting, Kansas City, MO
	Attending the BIM-M executive committee meeting held at the BAC International Training Center, Bowie, MD
May - July, 2014	Project Manager inactive due to professional work load.

## 2. Contractor Input Work Group (CIWG) Activities To-Date

Survey S1	4 responses to Survey S1, pre-WOM contact information in response to initial “call for participation” email (January, 2014)
Survey S2	8 responses to Survey S2, WOM follow-up email to gather participant contact information (February, 2014)
Survey S3	10 responses to Survey 3, established date and time for the first CIWG conference call (March, 2014)
Conference Call-1	10 Participants attended first CIWG conference call (April 3, 2014) Discussed: CIWG goals, project workflow and scenarios of use

## 3. Current Planning

The Project Manager’s work load outside of BIM-M has delayed any recent progress for the contractor input project. However project work will restart during the month of July.

Per recent discussions with the Program Coordinator and after reviewing the recently released Benchmark Project report, it appears that additional tasks will be added to the Contractor Input Project, or at least some of the initial tasks may be altered to realign them with the masonry

workflows being identified by the Benchmark Project case study and any case studies resulting from the proposed Georgia Tech BIM course this fall. The Project Manager believes that this work flow information should provide great opportunities for discussion within the CIWG and will likely lead to the creation of additional workflow information. Also, the process will allow the CIWG to begin developing actual masonry “workflows”, a Phase III directive, instead of the current “scenarios of use” concept. Upcoming planning will look at how this may alter current project workflow and timelines, and how to best direct the efforts of the group to maximum the benefits of sharing information between the two projects.

Tom Cuneio of CAD BLOX and Russell Gentry of Georgia Tech have offered to help bridge the gap between the Contractor Input Project and the Benchmark Project. Since Tom is located in the St. Louis area, the Project Manager has reached out and will be meeting with him in the near future.

In addition to the “scenarios of use”/ “workflow” efforts, work will continue on researching and identifying current “best BIM practices” by non-masonry subcontractors.

#### 4. Up-Coming Activities

Ongoing...	Project Manager will restart contact with the CIWG for gathering the contractor input needed to accomplish the initial Phase I roadmap project goals and the additional task of reviewing/commenting on the workflows identified by the Benchmark Project and subsequent case studies this coming fall. Contact will consist of on-line surveys, email discussions, and conference calls, and face to face meetings when possible
July 30, 2014	Project manager will attend the BIM-M update webinar hosted by MCAA regarding the Benchmark Project (All CIWG members will be encouraged to attend)
August 1, 2014	Project manager will attend the MCAA Masonry Executives Council (MEC) conference call to give a BIM-M/Contractor Input Project update
August 7 & 8, 2014	Project manager will attend the 2014 AGC-STL BIM Conference with Tom Cuneio of CAD BLOX
October 9-14, 2014	Project manager will attend the TMS Annual Meeting, Scottsdale, AZ (including the TMS BIM-M committee meeting)
September 2014	Phase II, Project 4, Tasks 1-7 progress report due

November 30, 2014	Project manager and the CIWG will conduct the BIM-M update webinar to be hosted by MCAA
December 2014	Phase II, Project 4, Tasks 1-7 progress report due
April/May 2014	Project Manager and the CIWG will present results of Phase II at the BIM-M Phase II Conference to be held in St. Louis, MO.

## 5. Report Summary

Although progress of the project has been delayed for the first half of 2014, the CIWG will be reactivated and work will continue at the best possible speed. The group will work toward accomplishing the initial Phase II tasks assigned by the Phase I BIM-M roadmap, which can be summarized by the following goals:

- Identify best practices of BIM use in other non-masonry subcontractor areas.
- Solicit input from general contractors and construction managers regarding their views on BIM enabled masonry construction.
- Prepare detailed "scenarios of use" ("workflows") in areas of safety, planning, material procurement, quantity take off, cost estimating, wall bracing, etc., that can be used to gauge the potential for BIM implementation in these areas.

Once collected, the contractor input project information will be documented by a final report submitted to the BIM-M executive committee for subsequent use by initiative projects and phases. This report is currently scheduled to be delivered to the executive committee sometime during March/April of 2015.

## End of Report