



DEPARTMENT OF THE ARMY
ROCK ISLAND DISTRICT, CORPS OF ENGINEERS
CLOCK TOWER BUILDING - P.O. BOX 2004
ROCK ISLAND, ILLINOIS 61204-2004

REPLY TO
ATTENTION OF

Design Branch

April 30, 2009

Mr. Harvey Phelps, President
Virtual Building Logistics
4572 SW Raintree Shore Drive
Lee's Summit, MO 64082

Dear Mr. Phelps:

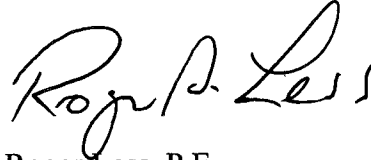
The US Army Corps of Engineers, Rock Island District is very pleased with the outstanding work performed by Mr. Gilbert Garcia of Virtual Building Logistics (VBL) on our 3D miter gate BIM model. Rock Island District received funding to finish a universal miter gate model that was started and shelved for almost four years. The District started modeling a 25-foot miter gate using BIM and also partially developed set of 2D plans. Unfortunately, the model funding ran out and the project was shelved. The District has received a tremendous amount of work in FY09 and help was needed to complete the BIM model. The District worked with Mrs. Harriet Gentry at Bentley Systems to identify a person that had knowledge of the Bentley Structural software and could complete the modeling required to develop the plans directly from the BIM model.

Bentley Systems subcontracted VBL and subsequently Mr. Gilbert Garcia was brought into Rock Island District to work on the project. The project scope grew from 27-foot and 33-foot gates to add an additional 20-foot gate. Mr. Garcia came to the District at a critical juncture in the project. The District was unsure if the BIM model could be completed in time to develop the required plan set for an FY09 contract award. Because of the tight schedule, the District was considering going back to the partial 2D drawings to complete the project.

Mr. Garcia took great initiative to become very proficient in Bentley Structural and was able to develop the 3D models and data set very quickly as well as learn how to create extractions. Mr. Garcia worked tirelessly for 6 weeks to get the project on schedule for the first major review, working 60-hour weeks. Mr. Garcia integrated with the Rock Island District staff for a seamless project team. Mr. Garcia quickly learned the Corps process and became a valuable member of the project team. He was a proactive team member who was dedicated to the accuracy of the model and was not afraid to ask questions. Mr. Garcia was able to model the pintle casting, which is a very complex casting, in one day. It was anticipated that this component could take almost a week to model and Mr. Garcia shattered all expectations.

The Bentley/Virtual Building Logistics team has been very accommodating to meet our project schedule and ensure a successful project. Mr. Garcia and VBL consistently exceeded our expectation in their contributions towards the completion of this project.

Sincerely,

A handwritten signature in black ink that reads "Roger P. Less". The signature is written in a cursive style with a large, prominent initial "R".

Roger Less, P.E.
Chief, Design Branch