Lipstick & Lasers: Laser Scanning w/ Cosmetic Manufacturers

Tracy Moreno, PE
EngFacilities@mkcorp.com

Content from: IKERD Consulting, IKERD.com, info@IKERD.com
Twitter: @TracyMorenoPE

Spring BIMForum
San Diego, CA
Hilton San Diego Bayfront
April 29-30, 2015
• Original Facility constructed in 1968

• Building was added on to over the years as adjacent properties were acquired
Regal Row Modernization Project

• Multi-project renovation of the existing facility.

• The potential exists for multiple contractors and engineers to be working simultaneously.

• How to manage all of these professionals?
Existing Conditions:

As-Built documentation in both paper and electronic format limited and for some systems non-existent
We as owners face many software applications.
LESSONS LEARNED THAT PAVED THE WAY
Top 8 Items: Getting the Team Organized:

• Communication
• Safety & PPE
• Food
• Professionalism in appearance
• Respectful in action
• Time Schedules
• Understand the Environment
• Nobody wants you around…. (Security, Building Serv., Fork Lift operators)
More Key Points

• Written communication plan.
• Address dark areas in contract?
• Paper Targets come down?
### Plan The Schedule

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NEW CONSTRUCTION
Sample photo and laser scanning example from IKERD project.

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EXISTING CONSTRUCTION
Plant
Piping Yard Laser Scan
Piping Yard Laser Scan Modeling

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Temporary Monument Points
Permanent Indoor Monument Points
Total Stations
Lift Scans with Remote Access
Remote Access Laser Scanning

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Field Scanning

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Modeled Existing Pipes from Scan Data
Modeled Existing Structure, Tanks and Pipes from Scan Data
New Process Pipes in Relation to Existing
Modeled Content from Campus Scans
New and Existing Yard Data Modeled from Scans
Point Layout
CONTACT: MARY KAY®

Tracy Moreno, PE
EngFacilities@mkcorp.com

IKERD People | Building | Clarity

Will Ikerd, PE
info@IKERD.com