

26TH ANNUAL



26TH LCI CONGRESS
OCTOBER 22-25, 2024

Going [back] to the Gemba for Continuous Improvement with Reality Capture

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SURFING THE WAVE OF LEAN DESIGN AND CONSTRUCTION

INSERT PRESENTATION DATE

Three Simple Steps of a Gemba Walk

01.

Define walk
purpose &
prepare for it

02.

Do the walk.

- Go See
- Ask “what” then “why”
- Show Respect

03.

Debrief
the
walk

Define the Walk Purpose & Prepare For It

- Why are doing the this walk?
- Who should be present
- What information should I bring on the walk
- What Tools do I need for the walk
- How do I capture what we are observing.

Do the Walk

02.

- Go see (and have an extra set of eyes).
- OBSERVE
- OBSERVE
- OBSERVE
- Ask what? Then why?
- Show respect.
- Be “present.”
- Have an extra set of eyes.



Recording & Developing the Most Appropriate Action Items

In the past we relied on notepads and memory.

- Introduces human error
- Not consistent across members
- Progress realized in silos

Now we utilize reality capture.

- Complete documentation of sites
- Centralized location for all stakeholders
- Quick and easy collaboration
- Scalable and replicable across teams

Utilization of a single platform facilitates collaboration among team members and allows them to view the walk + data remotely and provide input in near real-time.

GEMBA WALK

Go firsthand to where the work is done. See and understand: How it's done, the challenges, and opportunities to improve.



RETROSPECTIVE CONSIDERATIONS:

If you're doing something that's not working for you,
STOP
doing it.

If you're doing something that's working for you,
KEEP
doing it.

If there's something that might work for you if you did it,
START
doing it and see what happens.





Debrief the Walk

03.

Conduct a post-walk retrospective with the people involved:

- Is standard work in place and being followed?
- Does the process have the proper tools, materials and resources for the job?
- Were any of the 8 wastes observed?
- Are the people engaged and what is the mood?

Take action to identify and implement improvements

The screenshot displays a mobile application interface for a construction site walk. The top bar shows the date "May 15, 2023". The main content area is divided into several sections:

- Photo Section:** A large photo of a construction site with a dirt path and greenery. Above the photo are buttons for "Change photo" and "Markup". Below the photo are "Previous" and "Next" navigation buttons.
- Map Section:** A small map titled "C-1-SITE-PLAN" showing the location of the photo.
- Status:** A dropdown menu currently set to "No Status".
- Assignee:** A dropdown menu currently set to "UA Unassigned".
- Email Alerts List:** A section indicating "1 Member on Email Alerts List".
- Tags:** A list of tags including "Civil", "Electrical", and "Plumbing", each with a close button (X).
- Due Date:** A date picker set to "MM/DD/YYYY".
- Attachments:** A section for adding attachments, indicated by a plus icon.
- Description:** A text input field containing the text "Underground utilities".
- Comment:** A text input field with the placeholder "Add a comment...".
- Activity:** A section for adding activity, indicated by a plus icon.

On the Walk...Tulane Hazard Mitigation Project

Purpose: UNDERstand what's possible to infill several tight openings and pipe chases to mitigate flood water from getting into the basement.

The Right People: Designer, Engineer, Trade Representative, Owner

- Problem: Trade representative could not be present

Tools: Plans on iPad, Tape Measure, OpenSpace Capture Camera and App.



How did this impact the field?

- *Allowed for us to Optimize the whole despite key team members not able to be present at the walk*
- *Eliminated excess processing by providing 360° captures and notes in the field.*
 - *This allowed us to come up with key action items and resolutions during our debrief.*

How can you apply this tomorrow?

- *When conducting a Gemba, consider the tools at your disposal to best capture current conditions that can be analyzed during the debrief.*

Contact Us

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Thank you for attending this presentation. Enjoy the rest of the 26th Annual LCI Congress!