

LEAN SAFETY BEST KNOWN METHODS

Abstract

The Safe Build Alliance is working to gather Best Known Methods in Lean that benefit the construction project. The benefit could enhance safety, efficiency, or quality. Please consider those activities that are conducted by multiple trades, ergonomic innovations, housekeeping best practices or anything that eliminates waste. We are looking for lean tools and actual activities that can be shared throughout the Safe Build Alliance Construction Community.

Remember, **Waste** is:

Defects – anything that created re-work

Overproduction – building more than is ready to be installed resulting in storage and/or housekeeping issues

Waiting – wasted time waiting for the next trade, waiting for late deliveries, etc.

Non-Utilized Talent – Underutilizing peoples' skills; light duty work due to an injury

Transportation – moving anything more than once before it becomes work in place

Inventory – extra storage of anything, storing concrete formwork or similar materials after completion

Motion – unnecessary movement of people, taking too many steps to distribute something that can be distributed via use of material handling equipment, etc.

Extra-processing – Higher quality than required

Please submit your Lean BKM's to

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BKM: Crew Support Fly-Box

How does it work?

The flyable, rolling crew support box is a stock of all safety support items needed during the shift. The box contains potable water, first aid kit, eye wash, fire extinguisher, full selection of PPE (glasses, gloves, dust masks, face shield, and hearing protection), PH Neutralizer, lens cleaner, danger/caution signs, tape and rope.

The box is 5S'd by a laborer apprentice on a daily basis and is positioned as close to the work as possible for the crew.

How does this benefit the project?

Personnel focused on building are not wasting time retrieving support materials to maintain worker safety.

Why is this a Lean Method?

This crew box stays as close to the work as possible. This eliminates wasted motion and utilizes the technical manpower to its fullest.

Previously these materials would be stored in a Conex or trailer and were not available in the field when needed. Personnel would typically bring them out to the work space when they set up the area, but were not prepared in the event a condition or task changed midstream.

Please attach or include photos of the before & after





