

# 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: Traffic Delineator Cart

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### How does it work?

Historically, traffic delineators are pre-assembled and set in a pile or area. They are not easily moved in bulk, especially at the time they are deployed. This cart was built to store up to 30 traffic delineators to consolidate storage into a small footprint, that also allows for speedy deployment without the aid of the forklift.

### How does this benefit the project?

This cart stores the delineators where one person can access them quickly without the aid of the forklift. One person can accomplish the job by themselves in a much quicker time than previously possible. The cart takes up very little room and keeps the delineators serviceable longer because they are not exposed to vehicles, or other impacts until used.

### Why is this a Lean Method?

Typically, delineators are walked 2-at-a-time from a central location to the place of use. The person then backtracks and gets two more and repeats the process. This back and forth walking results in a waste of motion that can completely eliminated with the cart. The person pulls the cart to the first location of use, assembles the delineator, sets it in place, then continues to the next location of use, never retracing their steps. One trip – All deployed.

Please attach or include photos of the before & after

BEFORE - Using forklift to move, bases are not stored with the delineators:



BEFORE - Prebuilt delineators taking up a lot of storage area and are not easily deployed when needed:



AFTER - Each cart can store ~30 delineators and be deployed quickly and efficiently by one person:

