

# WHAT NOT TO DO



The new system is protected by  
US Patent Application 12/890,958.

# A & M SAFETY INNOVATION



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# TRENCH SAFETY ANCHOR



## Problem

In the field of construction, there are often job-site requirements for workers at different elevations at the site, sometimes traversing different elevations frequently. Such workers are required to wear full life-line harnesses attached to shock absorption or fall-protection Lanyard or lifelines in order to prevent injury or death from falling due to accident.

One problem with the current way lifelines and web lanyard are used is that workers tend to attach them and hook to any anchoring point that looks secure. For example, a work may attach one to a hook on a backhoe. In that case, the attachment might be secure but a chance exists that an operator will move the backhoe without noticing the lanyard attached to it and the worker attached to the lifeline.



## Solution

A safety line anchor post that may be mounted to a trench plate to secure retractable safety lines for trench workers. The anchor post has a rotating upper head with opening to mount retractable safety lines. The post may be adapted to any trench plate that has a female threaded hole near the center, and elevates the attachment to a height that ensures lines do not tangle and the retractable mechanisms work properly.



It is easy to use, and has a heavy-duty lifting eye to lift the post and plate together to be repositioned. It replaces existing practice of anchoring safety lines to convenient equipment or apparatus. It is not costly, it is eminently practical, may be used anywhere trench work is done. It is superbly durable, it requires no support equipment other than the trench plate to which it mounts, and provides a new level of safety for trench workers.

