Industry Surveys

Construction Tools, Equipment, and Safety Signal Identification

The purpose of this project is to begin the development and implementation of a teaching module for commonly used construction tools, equipment, and safety signals into the Construction Management department’s Heavy Civil lab. Using knowledge gained from former and future employers, past construction management classes, and online research I found the most commonly used tools, equipment, and hand signals used on construction sites and created visual representations and descriptions of them. Many graduates of the Construction Management program will find themselves on construction sites and there is no question that workers in the construction field are subject to life threatening hazards on a day to day basis. Knowing how to confidently and effectively identify what certain types of equipment are capable of and being able use non-verbal forms of communication will help mitigate some of the risk associated with being on a construction site. Upon completing the Heavy Civil lab students will have the necessary skills to effectively identify construction tools and equipment and communicate basic non-verbal safety signals that will keep everyone on the job safer.

Keywords: Tools, Equipment, Signals, Learning, Safety, Communication

Competent Person

- Capable of identifying existing and predictable hazards
- Authorization to make prompt corrective measures to eliminate them

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