Managing Field Productivity to Improve the Bottom Line

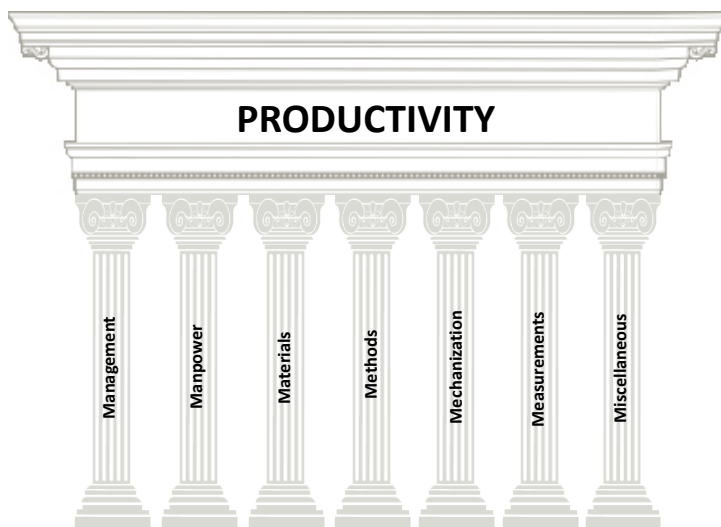## Awad S. Hanna, Ph.D., P.E., F. ASCE, NAC

OUTLINE

- ❖ Extent of Construction Productivity Problems
- ❖ Definitions of Productivity
- ❖ Causes of Poor Labor Productivity
- ❖ The 7 Pillars of Improving Labor Productivity
- ❖ **Management**
  - o Management Training Practices
- ❖ **Manpower**
  - o Effect of Tools, Information, Materials, and Environment
  - o How to develop Manpower Loading
- ❖ **Materials**
  - o Site Logistics and site layout
  - o Deliveries
  - o Storage
  - o How to Keep Material Handling Alive
- ❖ **Methods**
  - o The 4 Crew Concept
  - o Vendor/Supplier Integration
- ❖ **Mechanization**
  - o Prefabrication
- ❖ **Measurements**
  - o Methods for Identifying Ineffective Work and Lost Time
  - o Productivity Tracking with Earned Value
- ❖ **Miscellaneous**
  - o Changing Project Delivery System
  - o The Use of Technology
  - o Lean Construction
- ❖ Reducing inefficient time to increase profit.
- ❖ 20+ Techniques to Improve Labor Productivity

Dr. Awad Hanna

Dr. Hanna is a national speaker who has presented thousands of seminars to mechanical, electrical and sheet metal contractors in the US and Canada. He is the leading researcher in construction labor productivity, and has been recognized repeatedly for his excellence in research.

By taking this course, participants will know how to plan, measure, and take corrective action to increase field productivity, understand "real life" tools and techniques that will lead to increased productivity and more profit from projects, and be ready in the firm to implement and measure the results of what has been learned. Topics include productivity measurements and principles of improvement, identifying, quantifying and allocating risk factors affecting productivity, pre-job and pre-task planning, and tricks of the trade to cost-effectively measure field productivity

For information about the event, contact:

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PRODUCTIVITY

Management | Manpower | Materials | Methods | Mechanization | Measurements | Miscellaneous