

A construction site at sunset. The sky is a gradient of orange and pink. In the foreground, a crane is lifting a large, dark rectangular concrete slab. The slab is suspended by a hook and cables. To the left and right, there are silhouettes of scaffolding and steel beams. A worker is visible on a lower level of the scaffolding, holding a rope. The overall scene is industrial and dramatic.

Construction Internship

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ICONICA

One Step at a Time

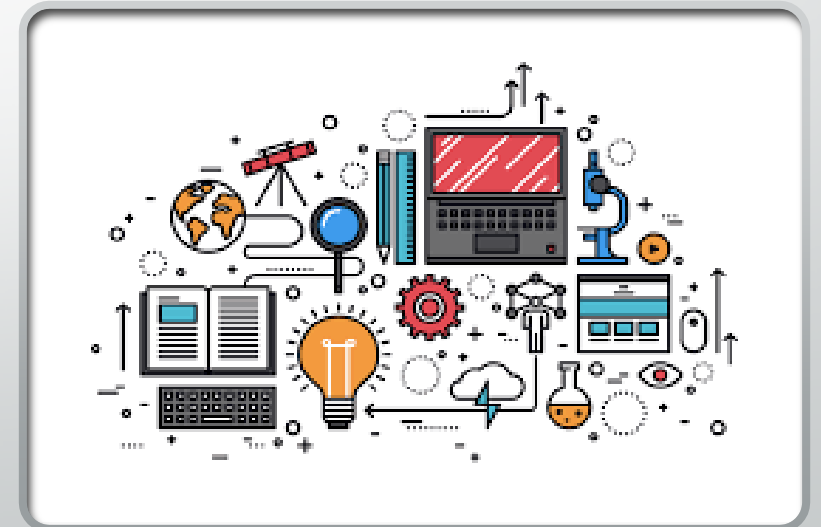
Design Build in Madison, WI

Overview

- History/Outlook of the Industry
- History/Outlook of the Internship Employer
- Major Areas of Responsibility during Internship
- 5 Internship objectives for review
- Internship Assessment and Summary Comments
- Lessons Learned

History/Outlook of the Industry

- Occupations are expected to grow by 6% from 2020 to 2030
- Material pricing is slowly becoming more stable
- Lead times as long as ever
- Technology is forever being implemented



973

HIDDEN
SPRINGS
SENIOR LIVING



Credit Union

History/Outlook of the Internship Employer

- Been around for over 40 years
- Started in commercial and hospitality
- Now focus on senior living facilities, tenant build out, Credit Unions
- Continuously growing specifically in engineers and architects



Major Areas of Responsibility during Internship

- Estimating
- Project Management
- Super Intendent



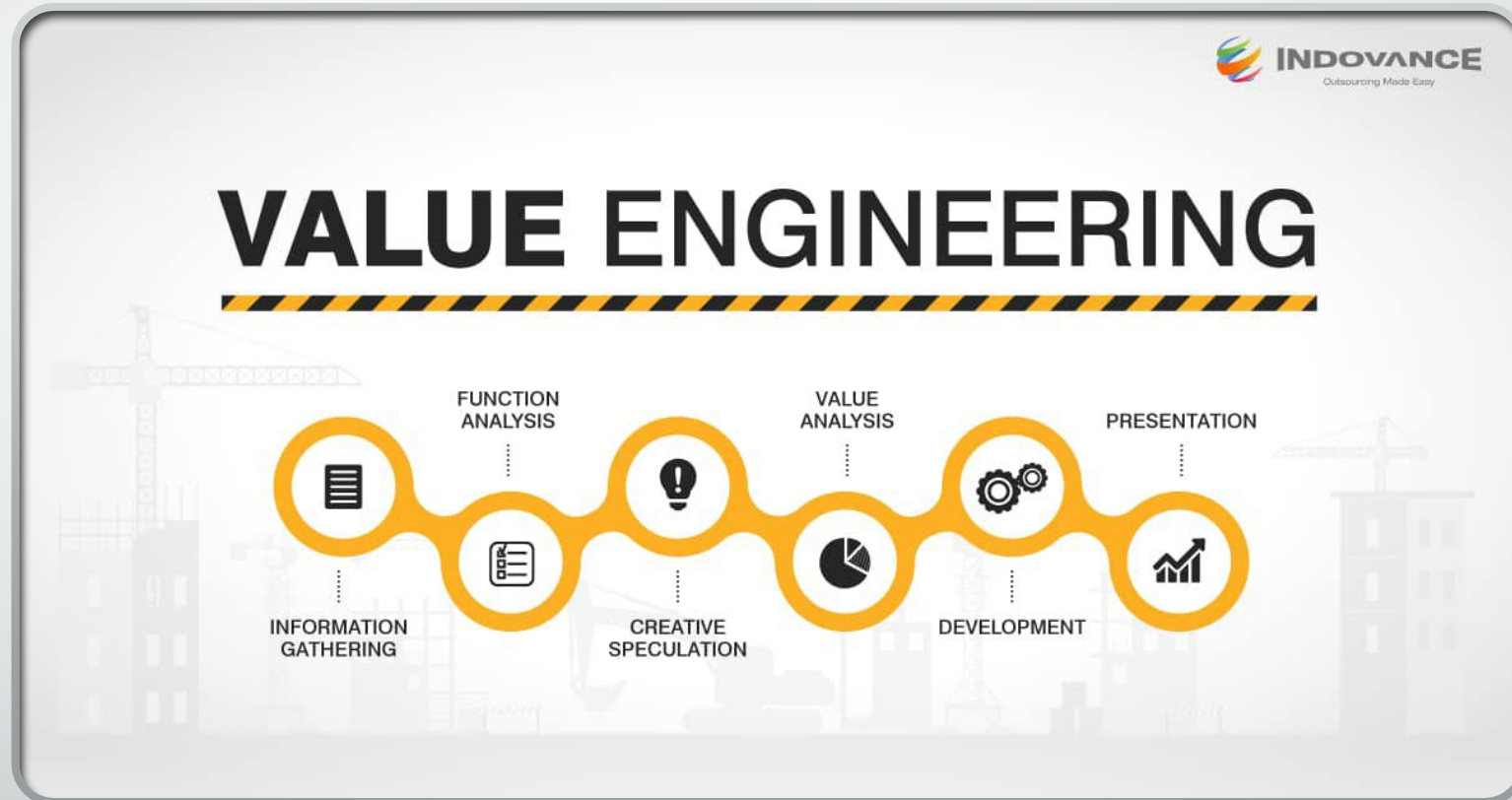
Estimating

- Quantity Takeoff
 - Bluebeam
 - OST
 - Excel
- Historical Data Recovery
 - Excel Database



Project Management

- Project Buyout
- Called subs to see who is bidding
- Bid Reviews
- VE



Superintendent

- Owner meetings
- Slab removal
- Environmental Vapor Barrier
- Underground MEP's



5 Internship objectives for review



Working in a diverse and inclusive environment



Facilitation of professional development



Improvement in understanding construction-specific technology



Improvement in understanding contract documents



Accurately creating quantity take-offs and estimates

Working in a
diverse and
inclusive
environment

- Worked with Many different job roles
 - Project Managers
 - Estimators
 - Superintendents
 - Project Assistants
 - MEP Engineers
 - Owners
 - Subcontractors
 - Architects
 - Both in and out of office

Facilitation of professional development

- Able to attend and learn in many types of meetings
- Calling subcontractors
- 23 keys to professional development sent out weekly by Iconica





Improvement in understanding construction-specific technology

- Learned On-screen takeoff
 - Mainly did quantity takeoffs
- Procore
- Improved excel skills
 - Helped build a historical data base

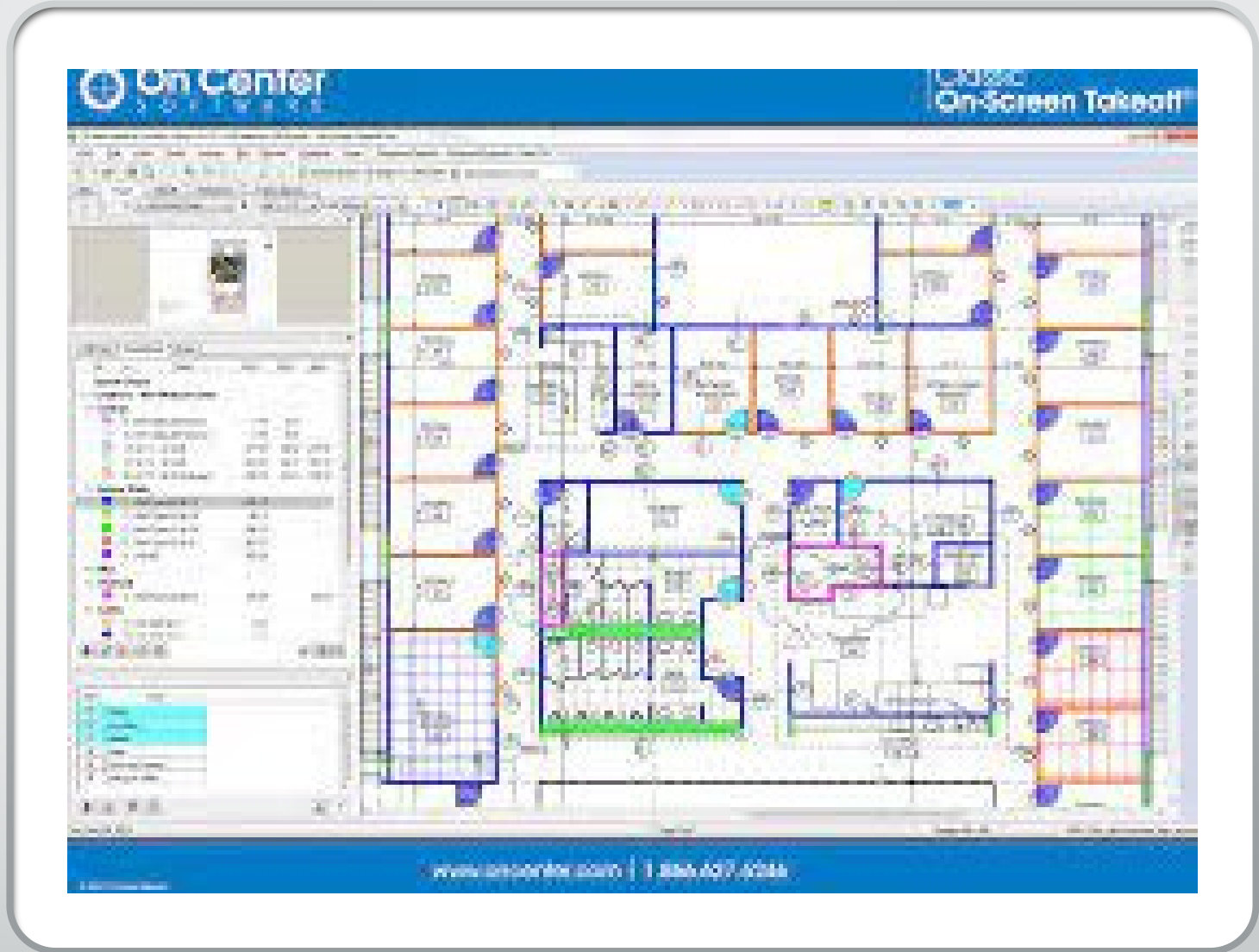
Improvement in understanding contract documents

- Plan reading improvements
- Spec reading improvements
- Stuck on job for a week with no superintendent



Accurately creating quantity take-offs and estimates

- Using On-screen Takeoff to create quantity take-offs
- Helped fill in estimating templates with takeoff numbers
 - One estimate just sent without a double check by head estimator due to time constraint



Internship Assessment and Summary Comments

- Overall internship was fantastic
 - Worked in Estimating, PM, and Superintendent
- Put in uncomfortable situations so that I became comfortable
 - Super going out with Covid
- Takeoff sent out without estimator double checking due to time constraint

Lessons Learned



Documentation is what we are paid for



Never be afraid to ask questions



Relationships are everything in this industry



Communication needs to be clear and efficient

