

MC READY JUNE 1, 2018

DIG DEEP GO PRO



MC***READY***

Going **PRO**

michiganconstruction.com/goingpro



TODAY'S AGENDA

- 1) THINGS IN PLAY
- 2) TRANSITION TO OJL
- 3) TODAY'S LECTURE



THINGS IN PLAY

DIG DEEP



LUNCH



TOOLS



EMPLOYMENT READY ?



9 STEPS TO BUILDING YOUR CAREER

- <https://www.mitalent.org/plan-a-job-search>

ON-THE-JOB LEARNING (OJL)

Time to Go PRO!

MC READY Going PRO program starts with a 2-month Related Technical Instruction (RTI) boot camp making you job-site ready.

Followed by a paid On-the-Job Learning (OJL) experience with one of our sponsoring employers lasting up to 4-months.



TODAY'S PROJECT HIGHLIGHT

Al Raha Beach, Abu Dhabi



Review

- Civil Construction
- Commercial Construction
- Industrial Construction
- Institutional Construction
- Owner
- Architect
- Designers
- Contractor
- Subcontractor
- Vendor

MICHIGAN CONSTRUCTION SECTORS



RESIDENTIAL

The residential sector builds, remodels, and maintains the buildings where we all live. Approximately 50 percent of residential builders construct new homes or apartments. Remodeling, service, and maintenance comprise the remaining 50 percent of activity in this sector.



COMMERCIAL

The commercial sector builds, remodels, and maintains the buildings where we work, learn, heal, and worship. Also known as nonresidential building construction, the commercial sector represents approximately one-third of overall construction spending on a national level.



INFRASTRUCTURE

The infrastructure sector builds and maintains roads, bridges, water and sewer systems, and other critical public works. Infrastructure workers truly change the world by providing the essential services we humans rely on.



INDUSTRIAL

The most specialized of the subsectors, industrial workers build complex buildings and facilities all around the globe. Power plants, chemical plants, and refineries are built by the industrial construction sector.

NAME THAT SECTOR

Lesson 2 Objectives

- Describe the differences between:
 - Construction trade association
 - Professional society
 - Institute
- Identify the different construction trade associations, professional associations and institutes that influence a company.
- Explain how to locate and become involved in construction trade associations, professional societies and institutes, which pertain to the types of construction which company is typically involved.

Formation

- The size and growth of the construction industry has resulted in the formation of numerous:
 - Trade Associations
 - Professional Societies
 - Institutes



What are they?

- Construction Trade Associations are established to provide individuals and companies the opportunities to:
 - Keep abreast of changes and needs of the construction industry.
 - Learn how to solve construction related problems.
 - Perform research.
 - Educate and inform members about innovations and trends.

Advocate

- Construction Trade Associations primary focus is to:
 - Represent a particular segment of the construction industry.
 - Formed to further develop the trade.
 - Create a representative body to present concerns.
 - Establish and maintain an effective communication network.

Structure






- Construction Trade Associations are usually structured so that there are local, state, regional and national level organizations whose members meet on a regular basis.
- National meetings are held annually or semi-annually to:
 - Conduct national business.
 - Educate members.
 - Display cutting-edge technologies and products.

Membership

- Construction trade associations represent particular segments of the construction industry.
 - They represent general contractors and specialty contractors (roofing or painting contractors).
 - Primary purpose of a trade association is to:
 - Focus on issues
 - Innovations
 - Communication within the specific group they represent
 - Depending on the size of the association, they maybe able to offer:
 - Educational opportunities
 - Trade publications
 - Other membership services



MICHIGAN'S 5 TOP TIER CONSTRUCTION ASSOCIATIONS

-  Associated General Contractors of Michigan (AGCMI)
-  Construction Association of Michigan (CAM)
-  Home Builders Association of Michigan (MAHB)
-  Michigan Infrastructure and Transportation Association (MITA)
-  Associated Builders and Contractors of Michigan (ABCMI)

Biggest Commercial Association

- Associated General Contractors - **AGC**
 - www.agc.org
 - www.agcmichigan.org



Merit Shop Contractors

- Associated Builders and Contractors - **ABC**
 - www.abc.org



Another Commercial Assoc.

- American Institute of Contractors – AIC
- www.professionalconstructor.org



Skilled Trade Unions

- Michigan Regional Council of Carpenters
 - www.hammer9.org



Heavy Equipment Training

- Operating Engineers 324
 - www.iuoe324.org



Local 324



One of the Big Unions

- International Brotherhood of Electrical Workers
 - www.ibew.org



Energy Efficiency



MEECA
MICHIGAN ENERGY EFFICIENCY
CONTRACTORS ASSOCIATION

What did you find?

Professional Societies

- Professional Societies:
 - Established to enrich the different professions within the industry.
 - Architects, Engineers and Contractors have their own professional societies.
 - Purpose:
 - Provide professional development opportunities to members.
 - To inform the members of trends and activities affecting the industry.
 - Establish industry standards.
 - CSI - Masterformat
 - Present Concerns.

Professional Societies

- Professional Societies provide:
 - Professional development opportunities in the form of seminars and workshops.
 - Held at the local, regional and national meetings.
 - Publish a professional journal that covers current industry topics and issues.
 - Membership services can also be provided such as:
 - Discounts on insurance coverage
 - Car rental

Engineers

- Engineering Society of Detroit
 - www.2.esd.org

Celebrating Our 115th Anniversary



Representing Over 3,000 Companies

Architects

- American Institute of Architects
 - www.aia.org
 - www.miaia.org



Construction Specifications Institute

- CSI MasterFormat
- Construction Specifications Institute
 - www.csinet.org
 - www.detroit.csinet.org



Financial Management

- Construction Financial Management Association
 - www.cfma.org



Estimators

- American Society of Professional Estimators
 - www.aspenational.org



Gender Specific

- National Association of Women in Construction
 - www.nawic.org
 - www.nawicdetroit.org



Institutes

- Institutes are formed to promote a cause in a specialized research.
 - Any sector of the industry can have an institute performing a service or research for the betterment of that particular building sector.
 - Trade journal, newsletters , etc. provide information, advertisement and technical data can assist the industry.

Institute

- National Center for Construction Education and Research
 - www.nccer.org



Construction Acronyms

- American Concrete Institute (**ACI**)
- American Council of Construction Education (**ACCE**)
- American Institute Architects (**AIA**)
- American Institute of Constructors (**AIC**)
- American National Standards Institute (**ANSI**)
- American Society for Testing and Materials (**ASTM**)
- American Society of Civil Engineers (**ASCE**)

Construction Acronyms

- American Society of Heating, Refrigerating and Air Conditioning Engineers (**ASHRAE**)
- American Society of Mechanical Engineers (**ASME**)
- American Society of Professional Estimators (**ASPE**)
- American Subcontractors Association (**ASA**)
- Associated Builders and Contractors (**ABC**)
- Associated General Contractors of America (**AGC**)

Construction Acronyms

- Construction Management Association of America (**CMAA**)
- Construction Specification Institute (**CSI**)
- Design-Build Institute of America (**DBIA**)
- Green Building Council (**USGBC**)
- International Brotherhood of Electrical Workers (**IBEW**)
- Construction Management Association of America (**CMAA**)
- Construction Specification Institute (**CSI**)

Construction Acronyms

- Design-Build Institute of America (**DBIA**)
- Green Building Council (**USGBC**)
- International Brotherhood of Electrical Workers (**IBEW**)
- International Union of Bricklayers and Allied Craftworkers (**BAC**)
- International Union of Operating Engineers (**IUOE**)
- International Union of Painters and Allied Trades (**IUPAT**)
- Laborers International Union of North America (**LIUNA**)

Construction Acronyms

- National Association of Home Builders (**NAHB**)
- National Association of Women in Construction (**NAWIC**)
- NAWIC Education Foundation (**NEF**)
- National Center for Construction Education and Research (**NCCER**)
- National Concrete Masonry Association (**NCMA**)
- Occupational Safety and Health Administration (**OSHA**)
- Operative Plasters' and Cement Masons' International Association (**OPCMIA**)

Construction Acronyms

- Project Management Institute (**PMI**)
- Sheet Metal Workers International Association (**SMWIA**)
- United Association of Plumbers, Fitters, Welders and HVAC Service Techs (**UA**)
United Brotherhood of Carpentry (**UBC**)
- United Steel Workers (**USW**)

Who else has a headache?





MICHIGAN
CONSTRUCTION

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