Benefits of Becoming a Certified Construction Manager (CCM) and the Value of Construction Managers

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Presenter Bios:
Anne Timmermans, Parametrix

- Certified Construction Manager
- LEED AP BD+C
- Undergraduate degree: Geography
  - University of Washington, 2004
- Master’s Degree: Construction Management
  - University of Washington, 2010
- Current Pacific NW Chapter President
  - Sits on Scholarship, Seminar, and Project Awards Committees
Presenter Bios: Richard Sage, CM Guru

- Undergraduate degree: Civil Engineering
  - University of Michigan, 1968
- 50 years of industry experience
- Registered PE and CCM
- CMAA 2014 Person of the Year Award
- CMAA Fellow Inducted in 2015
- In 2016 after retiring from Sound Transit, he started his own construction management consulting firm: Richard A. Sage LLC.
Today’s Discussion:

Presented by Anne:

• What are CMAA and CMCI?
• What is the Construction Manager Certification?
  ➢ About the CCM
  ➢ Eligibility and Application
  ➢ Preparation and CMAA Training
  ➢ Recertification
• What is the Construction Manager In Training (CMIT) Program?
• Benefits of Being a CCM or CMIT
Today’s Discussion:

Presented by Dick:

• Value of Utilizing CM’s on Projects
• Project Lessons Learned when using Construction Managers
• Reflections:
  ➢ Using Construction Managers as part of the Owner’s Team,
  ➢ Industry Trends
  ➢ Recommendations
About CMAA

- Non-profit formed in 1982 for the Construction Management industry
- 15,000+ members:
  - CM/PM practitioners
  - Corporate members
  - Owners: public and private
  - Academic and associate members
- 28 regional chapters
- Accrediting Organization

Accrediting Organization
CMAA Program Overview

- **CMAA** - Association for Professional Construction Managers
- **CMCI** - Independent governing body for the CM Certification
- **CMIT** – Certificate program for less experienced Construction Managers
Construction Manager Certification Institute

• The Institute is responsible for administering the Construction Manager Certification Program.
• The Institute is managed by the Board of Governors, made up of volunteer peers, who:
  - Set policies and procedures
  - Strategic goals
  - Audit applications
Certified Construction Manager
The Certified Construction Manager designation is representative of an individual’s commitment to excellence in program/construction management, career advancement and an ongoing pursuit of knowledge.

• A CCM is an experienced professional CM who has met the criteria set by the Board of Governors:
  ✓ Formal industry specific education and/or experience.
  ✓ 48 months of Responsible-in-Charge Construction Management experience.
  ✓ Demonstrated understanding of CMAA Standards of Practice and the CII Best Practices Guide.
In 2006, the CCM achieved the American National Standards Institute (ANSI) accreditation in accordance with the 17024 standard under the International Organization for Standardization (ISO).

CM Certification provides:

- A respected career path for CM professionals.
- Sets open, tested, and clear industry standards by which owners can evaluate staff and service providers.
- Establishes reliable professional development and continuing education.
Why Become a CCM?
Benefits Of Being A CCM

• Resume of knowledge and experience:
  ✓ Minimum 48 months Responsible-in-Charge
  ✓ Minimum two references
  ✓ Tested on CM Standards or Practices and CII Best Practices
  ✓ Adhere to Code of Conduct and Ethics
  ✓ Maintain industry knowledge

• Internationally transferrable
• Industry relevant with over 3400 other CCMs
• Owner recognized
CM Certification Endorsed

In 2013, the Construction Industry Institute (CII) endorsed the CCM credential and “urged its member companies to seriously consider the benefits the CCM can bring to the execution of their capital projects”.

In 2016 the Society of American Military Engineers (SAME) endorsed the CCM, stating “The Society’s review has made it clear that the CCM clearly identifies the most experienced and effective professional construction managers. Earning the CCM can advance your career, strengthen your proposals, and help you deliver successful projects.”
"CCMs provide a framework to assure our construction management is consistent and our CMs stay current with industry best practice. CCMs are recognized as professionals who care about our industry."

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"I am assured that an individual with a CCM certification has initiative, drive and commitment, and the capabilities to help us manage our construction projects, as evidenced by the requirements to become a CCM: 1) the acquisition of a broad spectrum of knowledge significantly beyond the basics of construction management practice, 2) the significant "responsible-in-charge" experience needed to become a CCM and, through that experience, resolution of many challenging issues thus bringing lessons learned to our projects, and 3) the commitment to continue learning, developing and contributing."

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"CCMs have brought tremendous insight and real project experience to our facilities capital planning and modernization programs. We have found that because CCMs have dealt with the "real" construction of buildings, they are in great position to better understand costs and risks when developing initial project plans. Getting initial budgets and risks right are the most important part of ensuring a successful project!"
Nationwide Recognition

Owners who understand the importance of having CCMs lead their teams.

[Image: Example CCM RFQs & RFPs]

http://cmaanet.org/example-ccm-rfqs-rfps
CM Certification Process

1. Determine eligibility

2. Complete application and submit online or by mail including the following:
   ✅ Resume
   ✅ Degree, Transcript, or Experience
   ✅ References
   ✅ Payment

3. Prepare for the examination and pass the examination
Eligibility Options

48 months Responsible-In-Charge (RIC) experience as a construction manager as shown on Qualification Matrix and one of the following:

• 4-year degree from an accredited educational institution:
  
  ![4 Year College Degree](image1) + ![4 Years RIC](image2) = ![ELIGIBLE](image3)

• 2-year degree & 4 years additional experience in general design or construction:
  
  ![2 Yr Degree + 4 Yr Field](image4) + ![4 Years RIC](image2) = ![ELIGIBLE](image3)

• 8 years experience in general design or construction:
  
  ![8 Years Field](image5) + ![4 Years RIC](image2) = ![ELIGIBLE](image3)
Determining RIC

1. Was the CM empowered to make a direct impact on the successful project completion?

2. Was the CM directly in charge of construction management services?

3. Did the CM protect the project and the owner’s best interests?
## Qualification Matrix

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<thead>
<tr>
<th>PHASE</th>
<th>Pre-design</th>
<th>Design</th>
<th>Procurement</th>
<th>Construction</th>
<th>Post-construction</th>
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<td>Project Management</td>
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<td>Contract Administration</td>
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<td>Safety Management</td>
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**Experience:** Minimum Total of 48 months cumulative experience required in these phases & function/roles
Client/Owner Reference

- One reference per project submission for the 48 months of RIC.
- Inform the references that CMCI will contact them by email.
- Purpose is to verify/confirm experience cited.
Online Application
Approval for Examination

• All the references must be received and verified.
• All applications are subject to audit by CMCI, even after approval.
• You will be contacted by CMCI to schedule your examination.
CCM Examination

• 1-Year eligibility to pass the exam from the day that you are notified your application was approved for examination

• You may take examination a total of 3 times within that year (45 day waiting period between attempts)

• Offered at secure testing locations worldwide.

• Computer based examination
  - 5 hour time limit to complete
  - 200 multiple choices questions
  - Exam pass rate: 83%
CCM Examination Sections

- Project Management
- Cost Management
- Time Management
- Quality Management
- Contract Administration
- Professional Practice
- Safety & Risk Management

Also includes the Best Practices (IR166-3)
Examination Preparation Recommendations

- Study of Body of Knowledge
  - Primary documents that form substantial basis for examination test questions.

- Professional Construction Management Course
  - Three day in-person course
  - Includes the CMAA Study Kit

- Online SOP Modules
  - 10 modules of instruction
  - Requires a minimum of 18 hours to complete
Standards of Practice (SOP)

» Online Modules

• Building Information Modeling (BIM)
• Contract Administration
• Cost Management
• Professional Practice – The Role of the CM
• Project Management
• Quality Management
• Sustainability
• Safety & Risk Management
• Time Management/CPM Lab
• Value Engineering
CMAA’s Published Documents

- CM Standards of Practice
- Capstone: The History of CM Practice and Procedures
- Contract Administration Guidelines
- Cost Management Guidelines
- Quality Management Guidelines
- Sustainability Guidelines
- Time Management Guidelines
- Sample Agency Series Model Contract Documents
- Sample CM At-Risk Model Contract Documents
• Recertification of the CCM designation is required every three years.

• 25 Points are required and earned through two identified areas for recertification:
  ➢ Involvement in the profession
  ➢ Professional development

• Points are earned anytime from the date appearing on the CCM certificate to the next expiration date.

• All activities can be added to Recert Track, an online recertification management tool for CCMs.
Construction Manager in Training

Recognizing new dedicated rising professionals in the CM industry and students who are soon to be graduates of accredited degree programs.

**CMIT** designation promotes:

- A commitment to professional development, showing employers, clients, and co-workers that they are committed to becoming a professional, practicing construction manager.
- Knowledge of the practices, procedures and principles represented by a CCM and professional construction managers through mentorship.
Qualifying for the CMIT

• Complete an online application meeting one of the following criteria relative to education and experience:

  ➢ Bachelor’s or Master’s degree in Engineering, Architecture, or Construction Management
  ➢ 75 credit hours toward a Bachelor’s degree
  ➢ Associate’s degree or certificate in Engineering, Architecture, or Construction Management
  ➢ At least four years of general design/construction experience

• Complete the CMIT Capstone Course and online examination.
CMIT Program Overview

- Currently over 2000 CMITs.
- Links the CMIT with a seasoned mentor and provides a clear path toward earning the CCM.
- Requires an online examination and a yearly maintenance fee.
- Differentiates dedicated rising CM professionals and provides a guided introduction to the CM profession.
Demonstrating Commitment

• The CCM is the “gold standard” ANSI accredited personnel credential for Construction Management professionals.

• The CCM promotes broader recognition of CMs as professionals who are well-experienced and act in the best interest of the organization and the public to help reduce risk on complex projects.

• The CMIT program can help prepare CMs for applying to become a CCM and help demonstrate their commitment to becoming a professional CM.
Value of Construction Managers

- Value of Utilizing CM’s on Projects
- Project Lessons Learned when using Construction Managers
- Reflections:
  - Using Construction Managers as part of the Owner’s Team,
  - Industry Trends
  - Recommendations
Questions?
Contact Information-
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