

2024 Fall Conference at The Ashore Resort Ocean City, Maryland Construction Manager AT-RISK DELIVERY METHOD

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WHAT IS IT?



Construction Management at-Risk refers to a project delivery method in which the Owner contracts a Construction Manager (CM) to provide a range of services during each milestone of a project's life cycle with the caveat of developing a Guaranteed Maximum Price (GMP) within project budget and tolerances, after the bidding stage.



The term "at-risk" refers to the concept that the CM guarantees the maximum cost of the work through the GMP and assumes all responsibilities of the trade contractor's work through direct contract means.

RELATIONSHIP GC TO OWNER VS CMaR TO OWNER

GC

General Contractor

- Lump Sum bid plans and specifications
- ✓ Changes in documents or omissions result in change orders
- ✓ Profit for GC is spending less than the lump sum bid
- ✓ Transparency of cost accounting is limited
- ✓ Owner generally does not have a say in the GC project staff

CMaR

Construction Management at-Risk

- ✓ Selected during the preconstruction process based on qualifications
- ✓ Project team is part of the selection criteria
- ✓ Accounting is open book
- ✓ Financial risk for CM is lessened in exchange for an emphasis on meeting the goals of the project.
- ✓ More flexibility to handle unknown or undefinable situations

DELIVERY METHODS







THE HISTORY OF CMaR

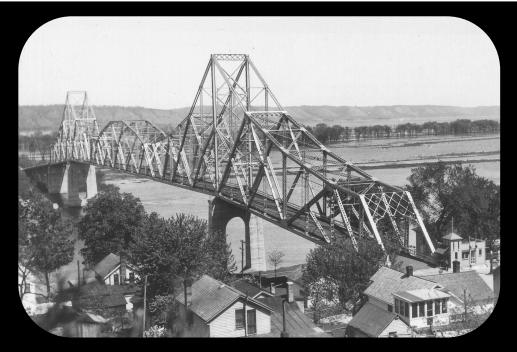


construction projects grew in size and complexity.





Owners, Contractors and Architects began...

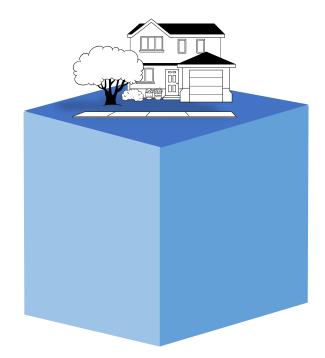


to search for an alternative delivery method that would address some of the shortfalls with the General Contracting method of project delivery.

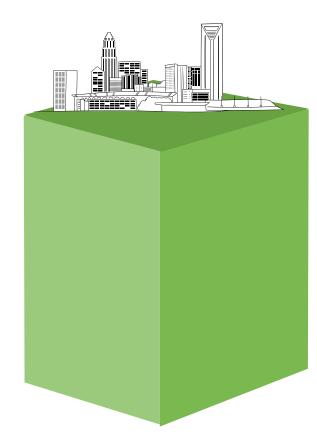




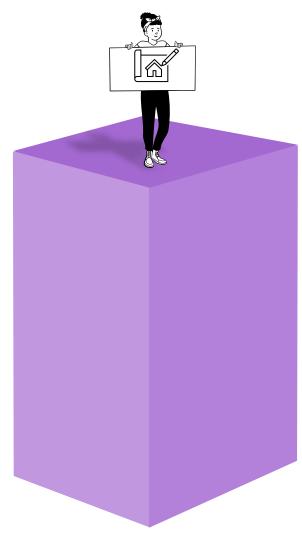
TODAY...



CMaR is the most common delivery method for large/complex private commercial, institutional and industrial projects



Rising of complexity has caused CMaR to grow among public owners



General Contracting is still the most common delivery method



Construction Management offers significant owner benefits over general contracting



Design Collaboration and Implementation



Management of Preconstruction Services



Cost Certainty



Risk Mitigation

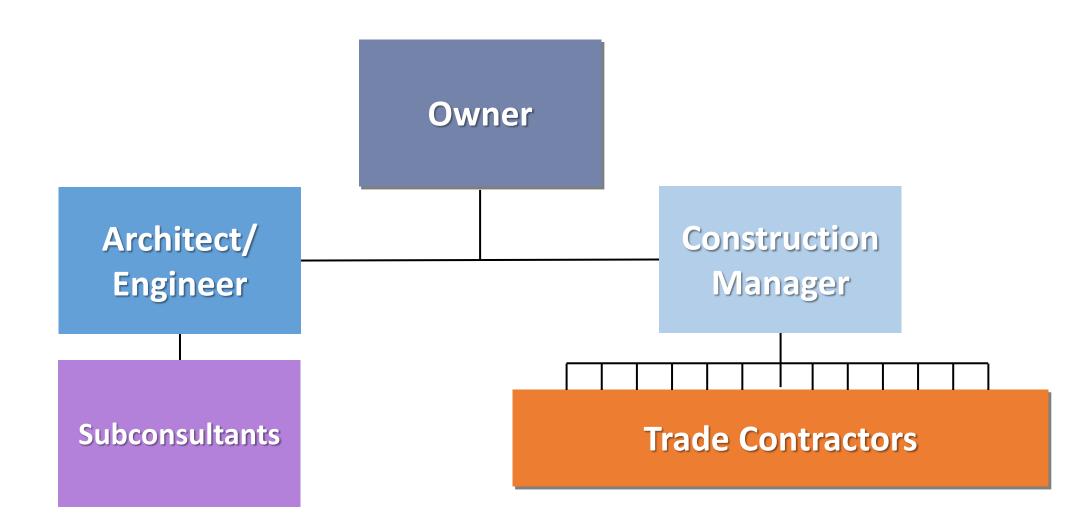


Higher-quality Deliverables

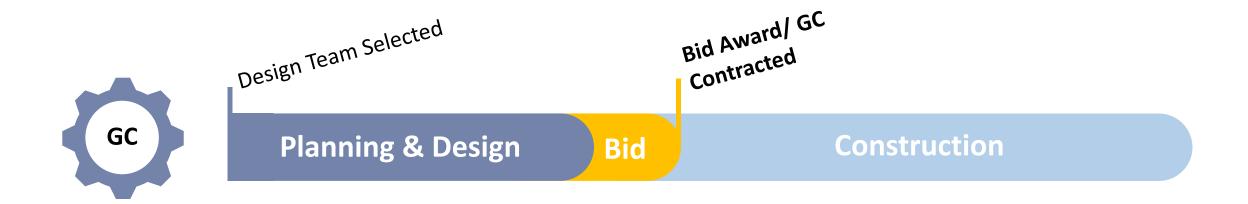


Procurement

STRUCTURE OF CMaR



TYPICAL PROJECT DELIVERY TIMELINE





Design Team Selected

CMaR Selected

Planning & Design

Bid

Construction

PROCUREMENT



Design

Preconstruction

Construction

Long Lead time

procurement can be difficult to handle in a General Contracting format.

Close-out

PROCUREMENT

2024					2025				
AUG	SEP	ост	NOV	DEC	JAN	FEB	MAR	APR	MAY

Design

Procurement

Preconstruction

Long Lead time

procurement can be difficult to handle in a General Contracting format.

Construction

Close-out



BIDDING PROCESS



Pre-bid estimates

Bid packages and scopes

Competitive bids

DEVELOP



Responsiveness

responsible bid evaluation

Develops allowances



EVALUATE

Reviews qualifications, MBE, wage scale, etc.

Scope reviews and assessment of risk



REVIEW

PREPA

Itemized in detail

Owner accept/reject GMP

Incorporate GMP to contract







CM at-Risk provides Guaranteed Maximum Price

VS

GC provides a guaranteed minimum price

FINANCIAL STRUCTURE OF CMaR

Project is Open Book Accounting

Financial decisions are made in consultation with Owner & Architect for the best outcome

Subcontractor Performance

Prequalification of Schedule, Quality, Financial, Safety

Allowances

CM maintains allowances to manage risk



Change Orders

Change requests and provide backup.

No additional fee unless change orders

exceeded a % of total job costs

Split savings at project completion



You need a dedicated CMaR contract

Do not change the title on your General Contract and call it a CMaR contract

AIA A133 is a good place to start, and it is very customizable

Request for Qualifications Request for Proposal Firm History, Financial Strength, **General Conditions & Knowledge of Process** Requirements **Resume of Similar Scope** Fee, Insurance and CONSTRUCTION **Projects Bonding % MANAGER SELECTION Confirmation of Project Proposed Personnel Services Evaluation of Project High Level Evaluation of Project** Schedule Requirements Interview

PRECONSTRUCTION SERVICES



Conceptual Budgeting / Cost Estimating



Value Engineering



Constructability Review



Logistics Planning



Sequencing and Scheduling



LEED and Sustainability Planning



Building Information Modeling (BIM)



Trimble Total Station
Surveying and Laser
Scanning

CONSTRUCTION SERVICES



Staffing

Strong incentive to staff the job appropriately for success



Coordination

Collaborative process resolves issues as partners



Schedule

Fully manages the schedule with owner and architect input



Quality

Fully responsible for quality & incentive to exceed specifications



Safety

Fully responsible for jobsite safety & fines from MOSH/OSHA makes this critical



Project Closeout

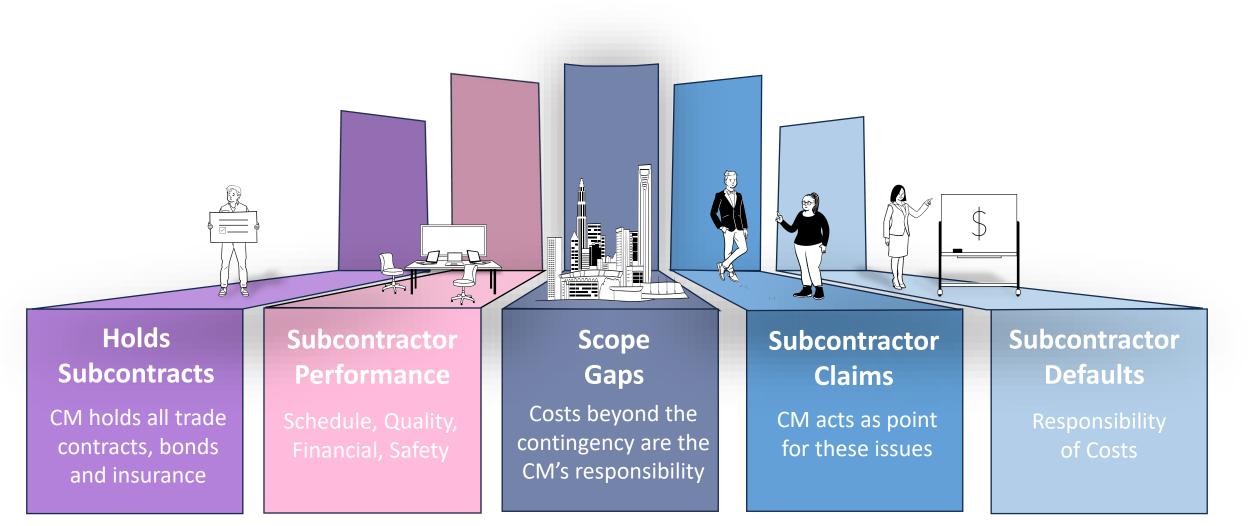
Complete support for all owner occupancy requirements and closeout



Flexibility

Coordination of utilities, manage owner move-in, coordinate designers for additional services

CONSTRUCTION ISSUE MANAGEMENT





JOB TYPES THAT MAY NOT MAKE SENSE

2D.



Carpet

Overlaying road

✓ Painting



JOB TYPES THAT MAY NOT MAKE SENSE

3D.

Smaller building

Straight forward



JOB TYPES THAT MAY MAKE SENSE WITH CMaR

3D Complex.



Larger project



Larger number of subcontractors



Complicated systems



Agency does not have as experience with project type



JOB TYPES THAT MAY MAKE SENSE WITH CMaR

4D Complex.



Larger number of subcontractors

Complicated systems

Multiple phases



CMar Advantages & DISADVANTAGES

ADVANTAGES

- Owner picks Contractor & Team
- Schedule Preconstruction & Construction Phases
- Prequalify trade contractors
- + Tailor bid packages to meet local requirements
- Competitive bids
- Open-Book accounting
- Team concept
- Better trade contractor responses
- Control cost, schedule and quality
- CM holds contracts
- + 100% bonded
- Guaranteed Maximum Price
- Minimize RFIs producing change orders
- + Constructor takes ownership

DISADVANTAGES

- Higher potential upfront costs
- Difficult to evaluate GMP as best possible price
- Excessive reliance on allowances
- CM may pad budget for larger shared savings potential



QUESTIONS?

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