

Caltrans CMGC Pilot Program

AASHTO Committee on Construction

August 2018



California Department of Transportation

Experience with Alternative Delivery

Design-Sequencing	1999 – 2005
Design-Build	2010 – present
CMGC	2013 – present

CMGC Authority

Assembly Bill 2498

- Signed September 2012
- Authorized 6 projects

Assembly Bill 2126

- Signed September 2016
- Authorized 6 additional projects

Assembly Bill 115

- Signed June 2017
- Authorizes 10 additional projects

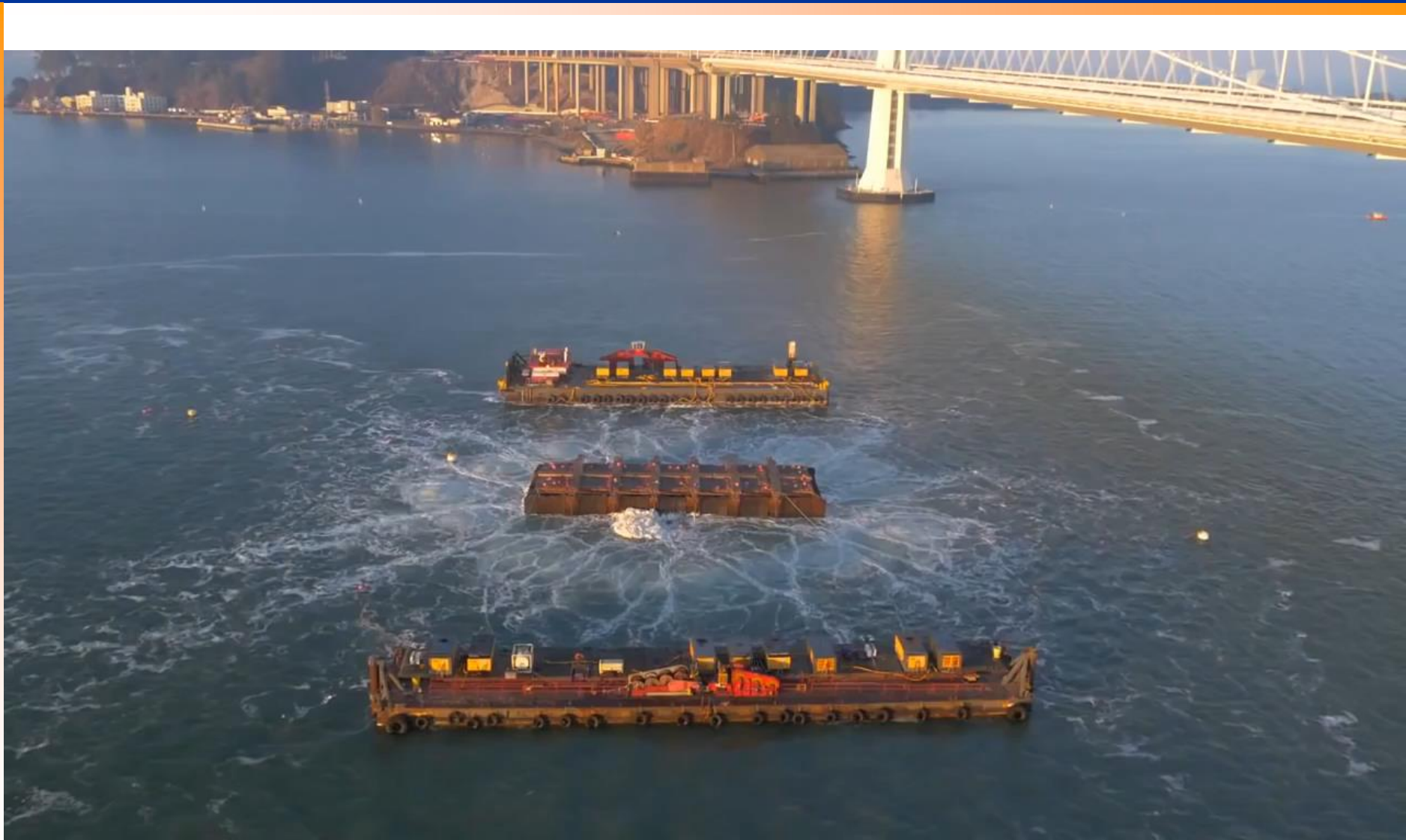
Why Use CMGC?

- Faster Delivery
- Cost Certainty
- Constructability
- Risk Mitigation
- Innovation

Awarded Projects (Preconstruction Services)

- Fre 99 – Freeway realignment for High Speed Rail \$155 million
 - Awarded 2 construction packages, 1 package complete
- Mpa 140 – Ferguson Slide Restoration \$ 52 million
 - Awarded 1 construction package, 1 remaining
- SF/Ala 80 – SFOBB Foundation Removal \$116 million
 - Awarded 3 construction packages, 2 packages complete
- SD 5 – Improve I-5, Rail, and Transit \$606 million
 - Awarded 3 construction packages, 2 packages remaining
- SBd 215 – Reconstruct Barton Road Interchange \$ 79 million
 - Awarded 1 construction package (full project)
- SBd 58 – Convert to 4-lane Freeway \$158 million
 - Awarded 1 construction package (full project)
- SM 101 – Construction Managed Lanes \$386 million
 - In preconstruction phase

Example – SFOBB Foundation Removal



Example Benefits of CMGC

- Contractor selection based on qualifications rather than price
- Saved \$15 million due to innovations
- Eliminated risk of 1-year delay
- Contractor assisted in obtaining permits
- Reduced explosives used by 50%
- Project completed on time
- Project completed within budget

Lessons Learned

Benefits

- Improved constructability
- Innovation
- Caltrans maintains control over design
- Project can be delivered in packages
- Contractor selected based on qualifications
- Earlier cost certainty
- Less cost growth during construction
- Improved risk allocation/mitigation
- Assist with permits/3rd party approvals
- Improved partnering

Challenges

- Higher support costs (contractor and ICE)
- Negotiating price with a single “bidder”
- Redesign to implement contractor suggestions
- Estimate reconciliation (bid-based vs. cost-based estimates)
- Keeping bid option open

Thank you!

Useful Links

Innovative Procurement Practices Report:

<http://www.dot.ca.gov/hq/oppd/contracting/InnovativeProcurementPractices.pdf>

Alternative Procurement Guide:

<http://www.dot.ca.gov/hq/oppd/contracting/AlternativeProcurementGuide.pdf>

CMGC Pilot Program website:

<http://www.dot.ca.gov/hq/oppd/cmgc/>