## Experience with Alternative Delivery

<table>
<thead>
<tr>
<th>Method</th>
<th>Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design-sequencing</td>
<td>1999 – 2005</td>
</tr>
<tr>
<td>Design-build</td>
<td>2010 – present</td>
</tr>
<tr>
<td>CMGC</td>
<td>2013 – present</td>
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</tbody>
</table>
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:

Alternative Procurement Guide:

CMGC Pilot Program website:
http://www.dot.ca.gov/hq/oppd/cmgc/