

YBI Westside Bridges Seismic Retrofit Project

Agreements to Advance to Construction Phase

Agenda Item 7



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Citizens Advisory Committee

September 23, 2020

YBI Construction Projects

Forest Road Detour (TICD)
(2020 - 2021)

Macalla Road Reconstruction (TICD)
(2019 - 2021)

YBI WB Ramps
Opened October 2016

YBI Vista Point
Opened May 2017

I-80 EB Off-Ramp/Southgate Road Realignment (SFCTA)
(2020 - 2022)

West-side Bridges Project (SFCTA)
(Spring 2021 - Summer 2024)

Gap Project - IIG
(May 2022 - June 2024)

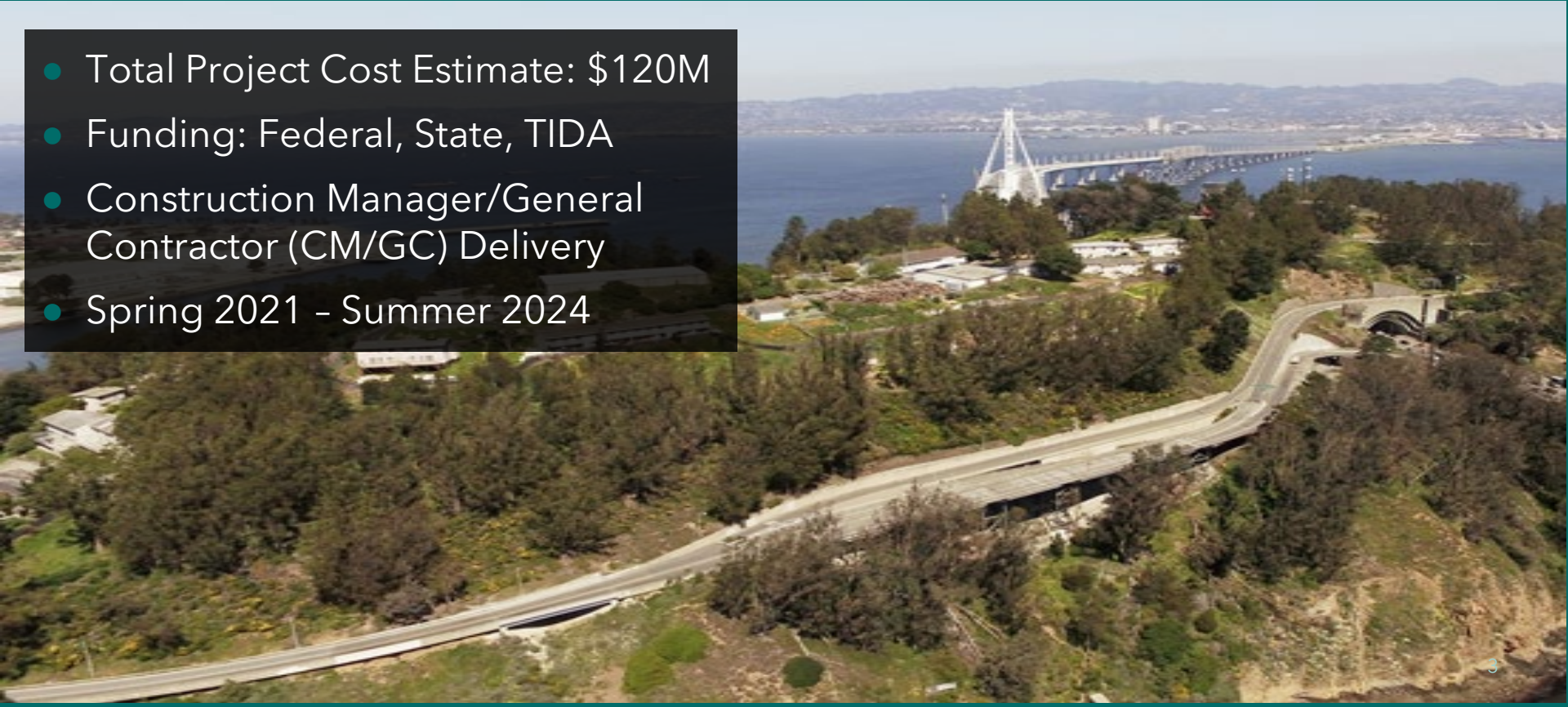


YBI Westside Bridges Retrofit Project



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- Total Project Cost Estimate: \$120M
- Funding: Federal, State, TIDA
- Construction Manager/General Contractor (CM/GC) Delivery
- Spring 2021 - Summer 2024



YBI Westside Bridges Retrofit Project



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- Demolish seven (7) bridges
- Retrofit one (1) bridge
- Six (6) new retaining walls
- New undercrossing structure



Project Challenges that Warrant Consideration of CM/GC Delivery



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- Geotechnical - Unstable Soil Swale
- Steep terrain - Construction Access
- Complex Bridge/Wall Foundation Construction
- Rock Anchor (110' long) Tie-back Retaining Walls
- Environmental constraints - Birds, Plants, etc.
- Storm water - proximity to SF Bay
- Cost Containment





- **Evaluated Design-Bid-Build vs. CM/GC - Jan-Feb 2018**
- **CM/GC Best Used on Projects - Complex, High-Risk Scope**
- **Board Approved CM/GC Delivery Method - March 2018**



Advantages of CM/GC Delivery Method

- Risk Mitigation
- Opportunities for innovation
- Need for specialized qualifications
- Benefits from early procurement
- Cost Certainty/Schedule Certainty
- Collaboration



Opinion of Probable Construction Cost - CM/GC Bottom Up Estimates

- Contractor
- Independent Cost Estimator
- Engineer Estimating Team
- Cost estimates - within 5% @ 100% design

YBI Westside Bridges Project

Schedule

PROJECT DELIVERY MILESTONE	COMPLETION DATE
100% PS&E Date (Design)	October 2020
Right of Way Certification	October 2020
Construction Request for Authorization Date	October 2020
Award Contract Date	January 2021
Start Construction	March 2021
End Construction	June 2024
Closeout Date	June 2025



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YBI Westside Bridges Project

Funding Plan

PROJECT PHASE	STATE/LOCAL MATCH FUNDING (11.47%)	FEDERAL FUNDING (88.53%)	TOTAL FUNDING/ COST PER PHASE
Preliminary Engineering	\$ 2,307,604	\$ 17,811,002	\$ 20,118,606
Right of Way	\$ 91,696	\$ 707,748	\$ 799,444
Construction	\$ 11,328,434	\$ 87,437,343	\$ 98,765,777
Total	\$ 13,727,734	\$ 105,956,093	\$ 119,683,827



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Authorize Executive Director to Execute:

- Utility Relocation Agreement for TIDA Water Line
- Right of Way Certification
- Amendments for MOAs with TIDA for Right of Way and Construction Phases
- All Other Related Project Agreements

Thank you.
Any Questions?

sfcta.org/projects/west-side-bridges-retrofit



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