

Bay Bridge Pump Station Replacement, Project No. 5-67

Contingency Increase for Design Consultant

Kathy Millea, Director of Engineering
Operations Committee
September 2, 2020



Why do We Have Pumping Stations?

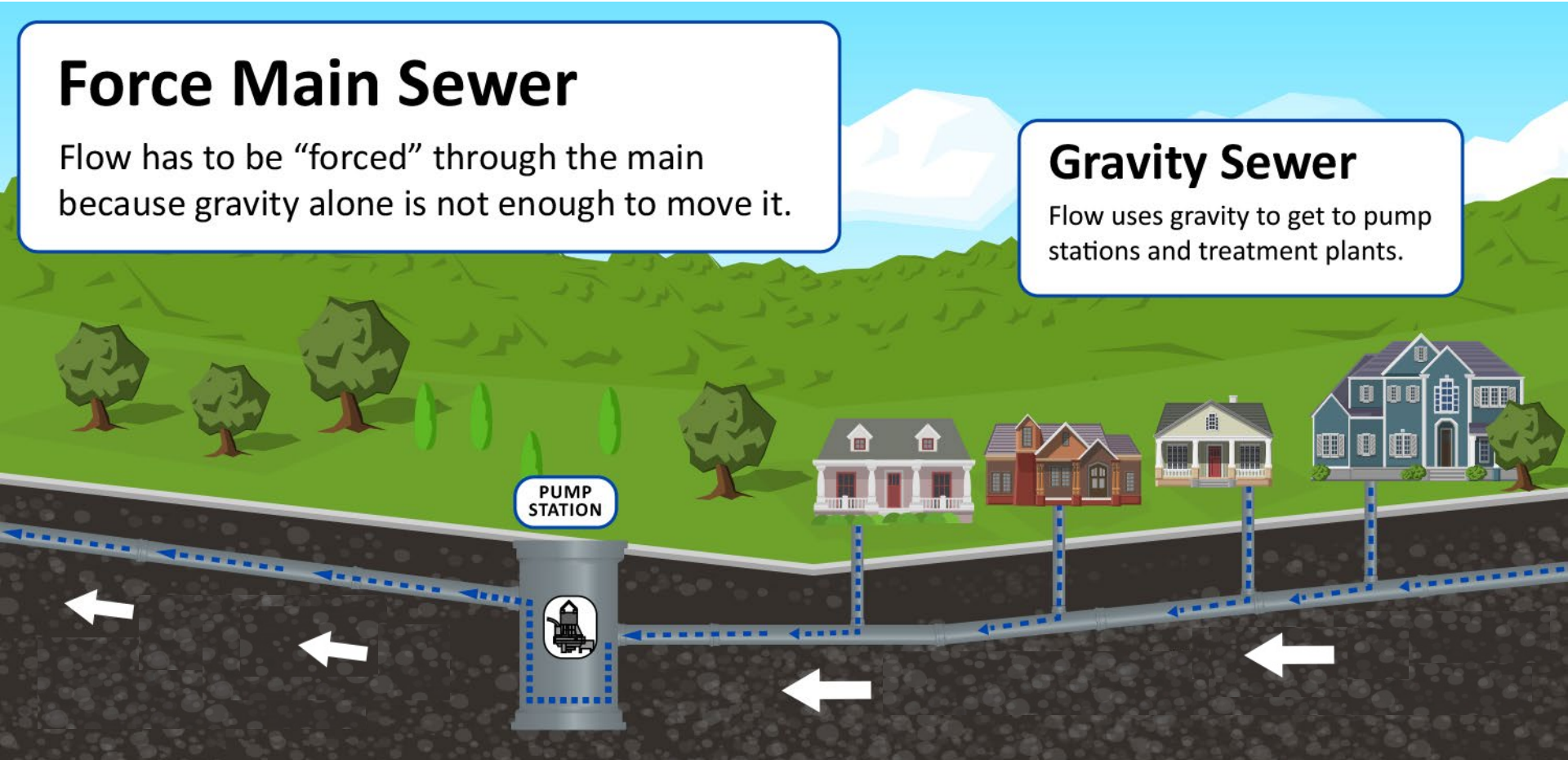


Force Main Sewer

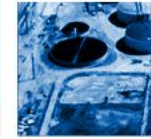
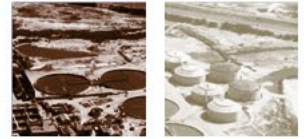
Flow has to be “forced” through the main because gravity alone is not enough to move it.

Gravity Sewer

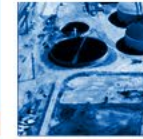
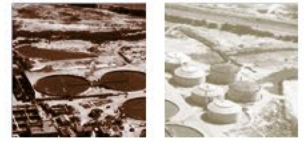
Flow uses gravity to get to pump stations and treatment plants.



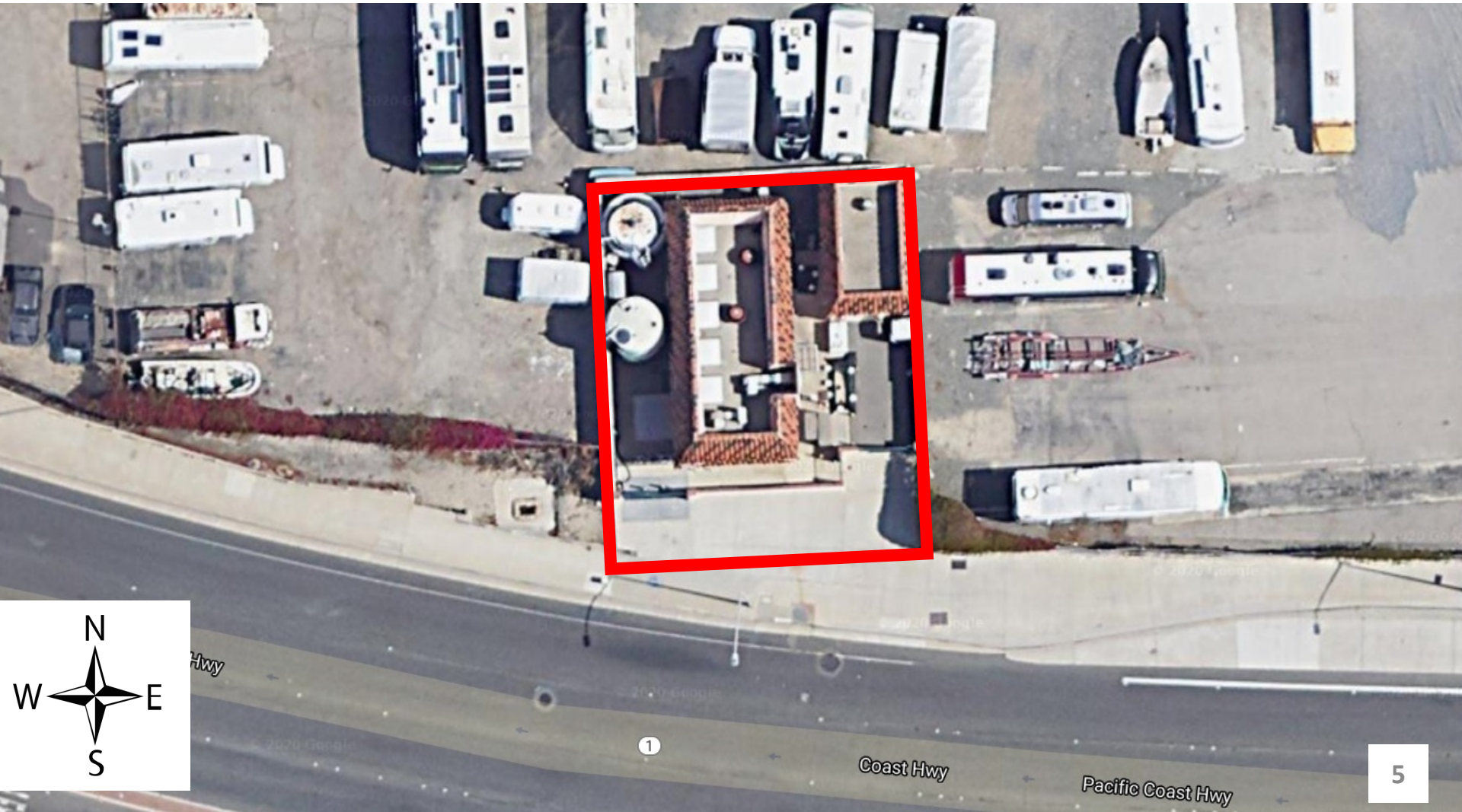
Site Vicinity



Bay Bridge Pump Station



Bay Bridge Pump Station



Existing Pump Station Location



Existing Force Main

Existing Pump Station



Existing Pump Station Location



Existing Force Main

Old Coast Highway Bridge

Existing Pump Station



Adjacent Developments

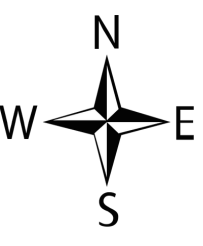


**Bayside Village
Marina, LLC (Back
Bay Landing)**

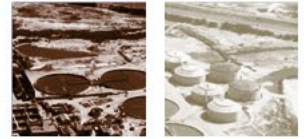
Existing Force Main

**Existing
Pump Station**

**The Irvine
Company (Balboa
West Marina)**



Adjacent Developments



Back Bay Landing



Balboa Marina West

Existing Pump Station Location



Existing Force Main

Existing Pump Station

2017 Proposed Location



Existing Pump Station Location



Existing Force Main

Existing Pump Station



Currently Proposed Location



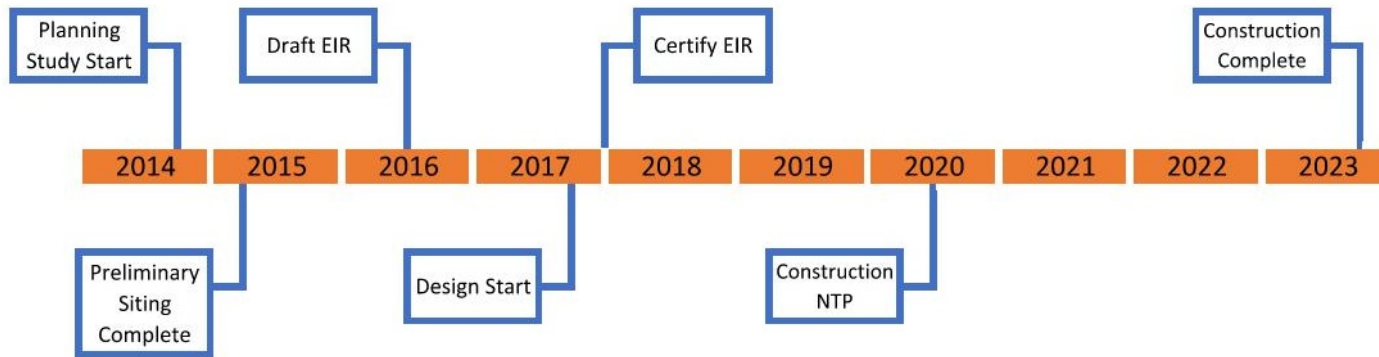
Currently Proposed Location



Project Schedule



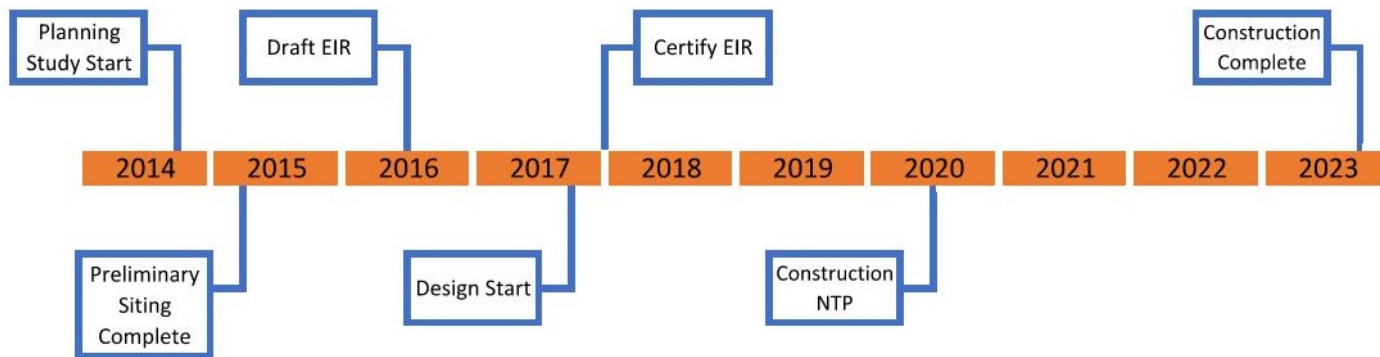
Original Project Schedule



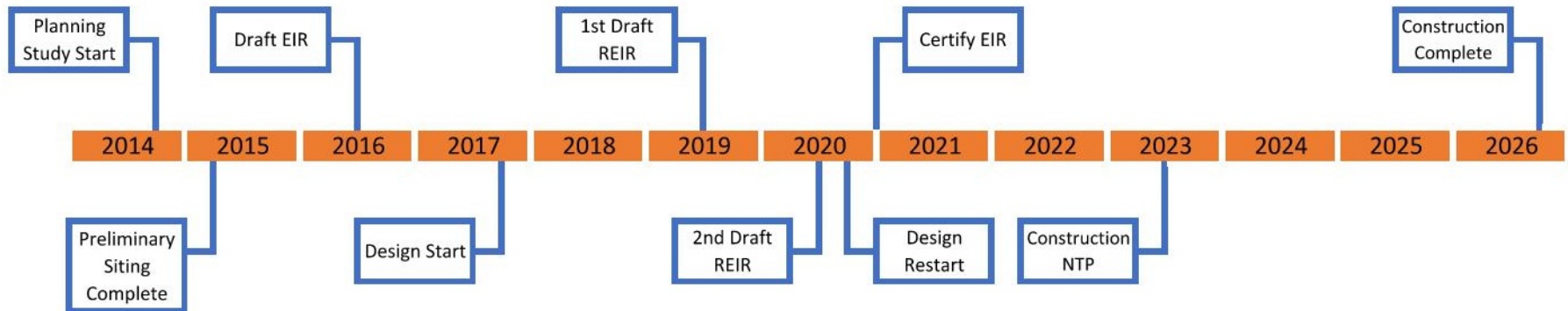
Project Schedule



Original Project Schedule



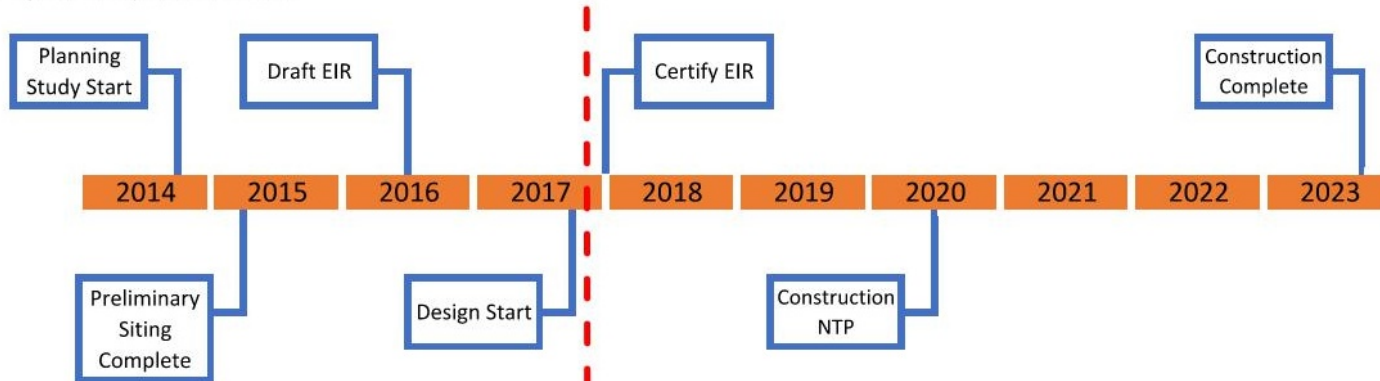
Current Project Schedule



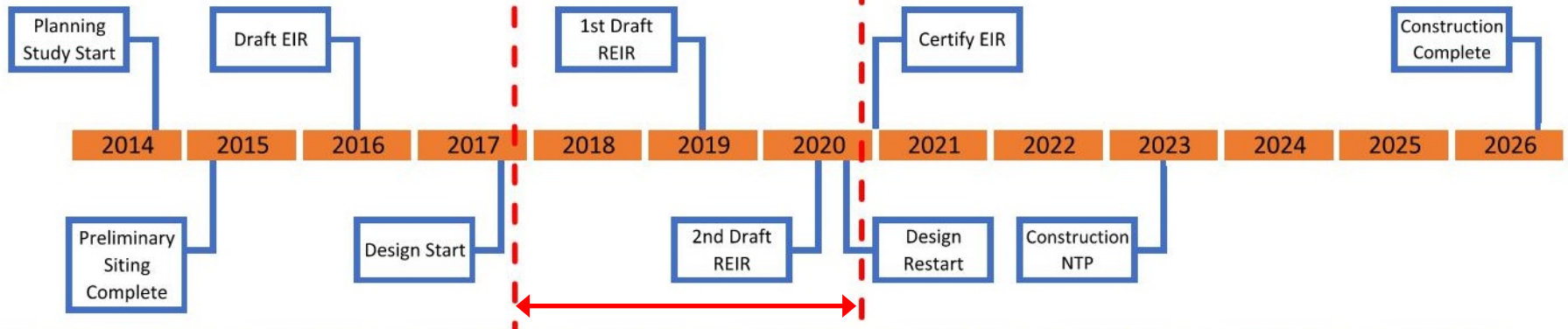
Project Schedule



Original Project Schedule

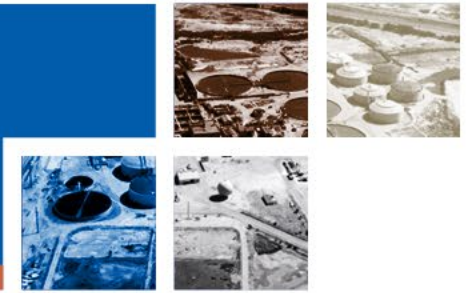


Current Project Schedule



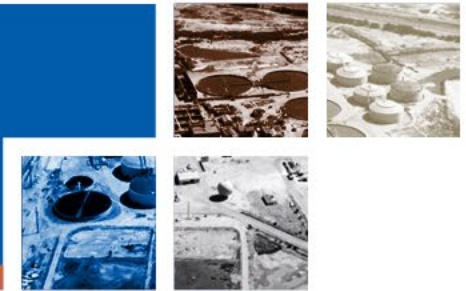
3-year delay to start of design

Additional Consultant Costs



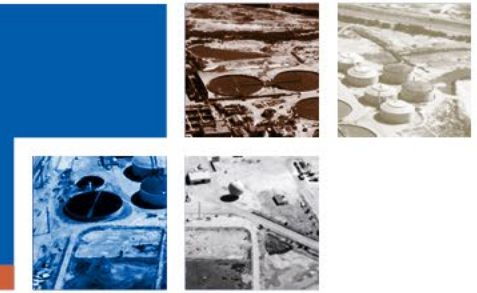
Item	Change Value
Revised Site Location and Force Main Alignment	\$500,000
Escalation	\$485,000
CEQA	\$420,000
Design Efforts on Previous Location	\$350,000
Property Purchase Support	\$155,000
Simplified Design Submittals	(\$120,000)
Total:	~\$1,790,000

Consultant Contract



	Contract	Contingency	Total
Original Design Contract	\$7,137,000	\$713,700	\$7,850,700
Contingency Increase Request		\$1,784,250	\$1,784,250
Total	\$7,137,000	\$2,497,950	\$9,634,950

Recommendation



- Approve a contingency increase of \$1,784,250 (25%) to the Professional Design Services Agreement with Arcadis U.S., Inc. for Bay Bridge Pump Station Replacement, Project No. 5-67, for a total contingency of \$2,497,950 (35%).