

Harbor Safety Committee

of the San Francisco Bay Region

*Mandated by the California Oil Spill
Prevention and Response Act of 1990*

Harbor Safety Committee of the San Francisco Bay Region
Thursday, February 8, 2018
Port of San Francisco, Pier 1, Bay Side Conference Room
The Embarcadero, San Francisco, CA

Capt. Lynn Korwatch (M), Marine Exchange of the San Francisco Bay Region (Marine Exchange), Chair of the Harbor Safety Committee (HSC); called the meeting to order at 10:04.

Marcus Freeling, Marine Exchange, confirmed the presence of a quorum of the HSC.

Committee members (M) and alternates (A) in attendance with a vote: **Jim Anderson** (M), CA Dungeness Crab Task Force; **Sejal Choksi-Chugh** (M), San Francisco Baykeeper; **Jeff Ferguson** (M), NOAA; **Aaron Golbus** (M), Port of San Francisco; **Bob Gregory** (M), Foss Maritime Company; **Scott Grindy** (A), San Francisco Small Craft Harbor; **Chris Hendry** (M), Chevron Shipping Company; **Capt. Thomas Kirsch** (M), Blue and Gold Fleet; **Jim McGrath** (M), Bay Conservation and Development Commission; **Capt. Patrick Nelson** (A), United States Coast Guard; **LTC Travis Rayfield** (M), US Army Corps of Engineers; **Julian Rose** (M), Andeavor; **Capt. Paul Ruff** (A), San Francisco Bar Pilots

The meetings are always open to the public.

Approval of the Minutes-

A motion to accept the minutes of the January 11, 2018 meeting was made and seconded. The minutes were approved without dissent.

Comments by Chair- Capt. Lynn Korwatch

Welcomed the committee members and audience.

Coast Guard Report- Capt. Patrick Nelson

- Advised of a January 23rd LOP involving an inbound container vessel. The vessel anchored offshore while escort tugs were dispatched. The ship was able to restart their engines and proceed into the bay under escort.
- Advised of the recent arrival of a foreign flag tank vessel which experienced a hydraulic oil leak. In coordination with OSPR, the problem was repaired and pollution mitigated.

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- Advised of a recent Tsunami Watch issued for the West Coast due to an earthquake in Alaska. No actual tsunami occurred but it illustrates the importance of tsunami preparation.
- Advised that participation in a seacoast study focused on maritime safety and ATONs is available through March 31st.
- Announced that he would be leaving Sector San Francisco this summer for a new assignment.
- LCDR Rebecca Deakin read from the January- 2018 Prevention/Response Report (attached).
- Capt. Nelson advised that NOAA's National Tsunami Warning Center (tsunami.gov) provides information and alerts. Brian Garcia, NWS, advised that tsunami watches, warnings and advisories are issued by NOAA. County specific alerts can also be subscribed to as well. Jim McGrath advised of regional tsunami planning activities. Aaron Golbus advised that the city of San Francisco has developed a Tsunami Action Plan as have neighboring jurisdictions. Local tsunami alerts are also provided by Nixel: www.nixel.com

Army Corps of Engineers Report- LTC Travis Rayfield

- Advised of recent USACE personnel changes.
- Advised of fiscal uncertainty due to the possibility of a federal government shutdown.
- Read from the US Army Corps of Engineers, San Francisco District Report (attached). Dredging plans for FY 2018 were outlined. Suisun Bay dredging is scheduled to start in late August. The Raccoon is currently the primary vessel conducting debris removal.
- Jim Haussener, CMANC, advised that President's FY 2019 budget is expected to be released soon. Corps funding has increased and there is optimism for future funding.

Clearing House Report- Marcus Freeling (report attached)

OSPR Report- Mike Coyne

- Announced that Capt. Lynn Korwatch has been reappointed as Member representing the Marine Information Exchange Community. Capt. Korwatch has also been reappointed as Chair of the HSC. Marcus Freeling has been appointed as Alternate member representing the Marine Information Exchange Community. Terms end on February 7, 2021.
- Advised that there are still several open HSC positions. Openings will be announced by email to the HSC group.

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- Advised that Dave Mighetto, OSPR, has taken over responsibility for the Escort Tug Inspection Program and Alternate Compliance.

NOAA Report- Jeff Ferguson

- Advised that charts have been updated to include recent USACE surveys. Charts are updated once a week on Friday.
- Advised that the NWS La Nina advisory continues. Rainfall is expected to be limited for the rest of the season.

State Lands Commission Report- Richard Hernandez (report attached)

Report on San Francisco's Fireboat Station Project- Magdalena Ryor, SF Public Works

- Magdalena Ryor, San Francisco Public Works, gave a presentation to the committee detailing plans for bond funded Fireboat Station #35 at Pier 22½ (slides attached). San Francisco Bay is a busy traffic hub and this project aims to improve response time to incidents by consolidating marine assets.
- The steel hulled, two-story floating structure will be able to move up and down with the tide along pilings. The station will house three fireboats and other equipment. A ramp will provide shore access for emergency vehicles. San Francisco requires that two percent of project funding goes towards artwork which will be displayed at a public viewing platform. Liftech is the structural engineer for the project which is designed to accommodate sea level rise, severe storms and earthquakes. Vessel wake concerns have been addressed and should not be an issue. The floating structure will be built in China and shipped to San Francisco where final construction will take place. Regulatory approval is required from many agencies and is in progress. The construction phase is set to start in December, 2018 and the project completed by November, 2020. More information is available at: www.sfearthquakesafety.org/fireboatstation35
- In response to a question from Capt. Korwatch, it was advised that the project design incorporated tsunami planning. Taller pilings and anchoring system will allow the station to rise up higher if a tsunami occurs. The project is structurally isolated from the existing seawall.

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Work Group Reports-

Tug Work Group- Bob Gregory advised that there was nothing to report

Navigation Work Group- Capt. Ruff advised that there was nothing to report. Capt. Korwatch advised that she attended yesterday's OSPR Technical Advisory Committee and the issue of submerged cables and pipelines was discussed. The California State Lands Commission has jurisdiction of land under San Francisco Bay and issues permits for submerged cables. A presentation by State Lands on the issue is being planned for next month's HSC meeting.

Ferry Operations Work Group- Capt. Thomas Kirsch advised that there was nothing to report.

Dredge Issues Work Group- Julian Rose advised that there was nothing to report.

PORTS Work Group- Nothing to report.

Prevention through People Work Group- Scott Grindy advised that there was nothing to report.

PORTS Report- Marcus Freeling

- Advised that the UP Railroad Bridge wind station is still offline due to bridge electrical issues.
- Advised that biannual service of the three PORTS buoy mounded current sensors was completed last month. The Oakland Inner Harbor LB4 sensor was found to be damaged by impact. Several PORTS buoy mounted current sensors have been damaged while deployed in recent years which is a financial concern.
- Advised that other scheduled work includes tide meter service at Redwood City and software upgrades.

Public Comment- None

Old Business- None

New Business- None

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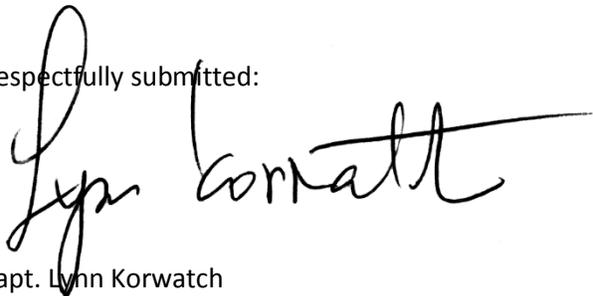
Next Meeting-

1000-1200, March 8, 2018
Port of Oakland, Exhibit Room
530 Water Street, Oakland, CA

Adjournment-

A motion to adjourn was made and seconded. The motion passed without dissent and the meeting adjourned at 10:55.

Respectfully submitted:

A handwritten signature in black ink, appearing to read "Lynn Korwatch". The signature is written in a cursive style with a long horizontal stroke extending to the right.

Capt. Lynn Korwatch

SIGNIFICANT PORT SAFETY AND SECURITY CASES (JAN 2018)**MARINE CASUALTIES**

Loss of propulsion (02JAN18): A towing vessel experienced a loss of propulsion while assisting a tank vessel get underway from the Richmond Long Warf. Shortly following the loss of propulsion, the crew was able to regain propulsion. Coast Guard attended the vessel and witnessed successful operation of the main engines. LOP was not attributed to fuel switching. Case closed.

Loss of propulsion (02JAN18): A foreign flag bulk carrier experienced a loss of propulsion while mooring at the Port of Stockton. A COTP order was issued requiring the vessel to determine the cause and prove proper operation. After the vessel moored safely, U.S. Coast Guard attended the vessel and witnessed successful operation of the main engine. No further Coast Guard requirements were placed on the vessel. LOP was not attributed to fuel switching. Case closed.

Equipment Failure (05JAN18): A foreign flag container vessel was unable to start propulsion due to a reduction in air pressure. A COTP Order was issued allowing the vessel to shift from Anchorage 8 to the Port of Oakland with a 3-tug escort and remain at berth until completion of repairs. Class and Coast Guard attended the vessel and witnessed satisfactory repairs to the vessel's propulsion system. The COTP Order was lifted. Case closed.

Reduction in propulsion (15JAN18): A foreign flag tank vessel experienced a reduction in propulsion while transiting outbound to sea from Shell Refinery in Martinez, CA. A COTP Order was issued requiring the vessel to proceed to Anchorage 9 and remain there to effect repairs and determine causative factors. Class and Coast Guard confirmed repairs were made to the vessel's main propulsion and associated systems. The COTP Order was lifted. Case closed.

Equipment Failure (18JAN18): A foreign flag container vessel experienced degradation of the vessel's fixed CO2 Fire System. A COTP Order was issued requiring the vessel to remain at berth with an International Shore Connection connected pier-side available for immediate use until causative factors were determined and the vessel's CO2 Fire System was fully restored. Class and Coast Guard attended the vessel and confirmed satisfactory repair of the vessel's CO2 Fire System. The COTP Order was lifted. Case closed.

Reduction in propulsion (21JAN18): A foreign flag bulk freight vessel experienced a reduction in propulsion while transiting to San Francisco. A COTP Order was issued requiring the vessel to proceed directly to Anchorage 9 accompanied by a one tug escort from Mile Rock and remain there until causative factors were confirmed by a class surveyor. Class and Coast Guard attended the vessel and confirmed that the vessel's propulsion system was restored and fully operational. The COTP Order was lifted. Case closed.

Reduction in propulsion (22JAN18): A foreign flag tank vessel experienced a reduction in propulsion while transiting to Stockton, CA. A one tug escort assisted the vessel to Anchorage 9. A COTP Order was issued ordering the vessel to proceed to and remain at Anchorage 9 until repairs were made and causative factors were determined. Class and Coast Guard attended to the vessel and confirmed satisfactory repair of the vessel's main propulsion system. The COTP Order was lifted. Case closed.

Loss of propulsion (23JAN18): A foreign flag container vessel experienced a loss of propulsion in the Main Ship Channel IVO buoys 1 and 2. The vessel safely anchored outside the channel. A COTP Order was issued requiring the vessel to proceed to Anchorage 9 with a three tug escort, and remain there until the causative factor was identified and the vessel's propulsion was fully restored. Class and Coast Guard attended the vessel and confirmed the requirements of the COTP Order were satisfied. The COTP Order was lifted. LOP was not attributed to fuel switching. Case closed.

Loss of propulsion (25JAN18): A foreign flag bulk freight vessel experienced a loss of propulsion while in transit to Stockton, CA. A COTP Order was issued requiring the vessel to remain at berth until causative factors were identified by class surveyor. Class and Coast Guard attended the vessel and confirmed that the vessel's propulsion system was fully operational. The COTP Order was lifted. LOP was not attributed to fuel switching. Case closed.

Loss of Propulsion (26JAN18): A foreign flag container vessel experienced a loss of propulsion while mooring at the Port of Oakland. After the vessel safely moored, a COTP Order was issued requiring the vessel to remain at berth until a class surveyor confirmed the causative factors and proper operation of the propulsion system. Class and Coast Guard attended the vessel and confirmed that the requirements of the COTP Order were satisfied. The COTP Order was lifted. LOP was not attributed to fuel switching. Case closed.

VESSEL SAFETY CONDITIONS

NSTR

GENERAL SAFETY CASES

NSTR

NAVIGATIONAL SAFETY

Letter of Deviation(01JAN18): A foreign flag oil tanker was issued an inbound LOD for an inoperable secondary marine radar. LOD has been lifted. Case closed.

Letter of Deviation (09JAN18): A foreign flag container vessel was issued a LOD for an inoperable primary steering gear. LOD has been lifted. Case closed.

Letter of Deviation (22JAN18): Vessel was issued an inbound LOD for an inoperable primary marine radar. LOD has been lifted. Case closed.

SIGNIFICANT INCIDENT MANAGEMENT DIVISION CASES

02JAN18 (NOV): A U.S. flag 60' recreational vessel sunk discharging 30 gal of diesel. Clean up performed. Case closed.

04JAN18 (LOW): A U.S. flag 43' recreational vessel partially sunk. Less than 1 gal was discharged into the water. Vessel removed. Case closed.

08Jan18 (LOW): Two 55 gal drums on a pier in Alameda went into the water following heavy rains. One drum contained waste oil, both drums were recovered. Case closed.

08JAN18 (LOW): A U.S. flag 20' recreational sailing vessel caught fire discharging 12 gal of gasoline into water. Clean up performed. Case closed.

25JAN18 (LOW): U.S. flag small passenger vessel overfilled their oil tank and discharged 2 gal into waterway. Case closed.

PREVENTION / RESPONSE - SAN FRANCISCO HARBOR SAFETY STATISTICS

January 2018

PORT SAFETY CATEGORIES*	Jan-2018	Jan-2017	**3yr Avg
Total Number of Port State Control Detentions:	0	0	0.67
SOLAS (0), STCW (0), MARPOL (0), ISM (0), ISPS (0)			
Total Number of COTP Orders:	11	1	3.42
Navigation Safety (9), Port Safety & Security (2), ANOA (0)			
Marine Casualties (reportable CG 2692) within SF Bay:	16	7	9.31
Allision (0), Collision (0), Fire (0), Capsize (0), Grounding (0), Sinking (0)			
Steering (0), Propulsion (9), Personnel (1), Other (5), Power (1)			
Total Number of (routine) Navigation Safety issues/Letters of Deviation:	3	5	3.17
Radar (2), Gyro (0), Steering (1), Echo Sounder (0), AIS (0)			
ARPA (0), Speed Log (0), R.C. (0), Other (0)			
Reported or Verified "Rule 9" or other Navigational Rule Violations:	0	0	0.36
Significant Waterway events/Navigation related Cases:	0	0	0.33
Total Port Safety (PS) Cases opened	30	13	17.25
MARINE POLLUTION RESPONSE			
Pollution Discharge Sources (Vessels)	Jan-2018	Jan-2017	**3yr Avg
U.S. Commercial Vessels	1	1	0.72
Foreign Freight Vessels	0	0	0.06
Public Vessels	0	0	0.53
Commercial Fishing Vessels	0	0	0.31
Recreational Vessels	5	1	2.75
Pollution Discharge Sources (Facilities)			
Regulated Waterfront Facilities	0	1	0.17
Regulated Waterfront Facilities - Fuel Transfer	0	0	0.00
Other Land Sources	0	0	0.72
Mystery Spills - Unknown Sources	5	4	4.03
Number of Pollution Incidents within San Francisco Bay			
Spills < 10 gallons	3	2	3.97
Spills 10 - 100 gallons	3	2	1.14
Spills 100 - 1000 gallons	0	0	0.14
Spills > 1000 gallons	0	0	0.00
Spills - Unknown Size	5	3	4.11
Total Pollution Incidents	11	7	9.36
Oil Discharge/Hazardous Materials Release Volumes by Spill Size			
Estimated spill amount from U.S. Commercial Vessels	2.00	30.00	14.02
Estimated spill amount from Foreign Freight Vessels	0.00	0.00	8.36
Estimated spill amount from Public Vessels	0.00	0.00	2.02
Estimated spill amount from Commercial Fishing Vessels	0.00	0.00	1.18
Estimated spill amount from Recreational Vessels	52.00	10.00	41.86
Estimated spill amount from Regulated Waterfront Facilities	0.00	1.00	2.50
Estimated spill amount from Regulated Waterfront Facilities - Fuel Transfer	0.00	0.00	0.00
Estimated spill amount from Other Land Sources	0.00	0.00	2.06
Estimated spill amount from Unknown Sources (Mystery Sheens)	unk	unk	0.00
Total Oil Discharge and/or Hazardous Materials Release (Gallons)	54.00	41.00	72.00
Penalty Actions			
Civil Penalty Cases	0	0	0.00
Notice of Violations	1	0	0.53
Letters of Warning	2	3	2.64
Total Penalty Actions	3	3	3.17

* NOTE: Values represent all cases within the HSC jurisdiction during the period. Significant cases are detailed in the narrative.

** NOTE: Values represent an average month over a 36 month period for the specified category of information.

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Of the San Francisco Bay Region**

**Report of the
U.S. Army Corps of Engineers, San Francisco District
February 8, 2018**

1. CORPS O&M DREDGING PROGRAM

The following report covers the upcoming FY 2018 dredging program for San Francisco Bay. This program is subject to change based on a number of variables including final FY 2018 appropriations and Corps Work Plan. Please refer to the Local Notice to Mariner for details of dredge operations.

FY 2018 DREDGING

- a. **SF Main Ship Channel** – Estimated start mid-May 2018, estimated completion early June 2018, by government hopper.
- b. **Richmond Inner Harbor** –FY 18 dredging cycle estimated to commence early August 2018 with completion in November. Work will be contracted clamshell.
- c. **Richmond Outer Harbor (and Richmond Long Wharf)** –In alignment with last year’s proposal to alternate Hopper dredging, planned dredging for Richmond Outer will proceed with Essayons.
- d. **Oakland Harbor** – 2017 dredge cycle initiated in mid-August 2017. Significantly larger than expected volumes are requiring additional dredging. Initial estimates indicate approximately 1000kcy resulting in likely need to continue dredging through March 2018 to complete the 2017 dredge cycle. 2018 dredge cycle has a planned start of early August with planned completion in November.
- e. **Redwood City Harbor** – 2018 work plan funding will determine award and quantities.
- f. **San Pablo Bay (Pinole Shoal)** –In alignment with last year’s proposal to alternate Gov’t Hopper dredging Pinole will be deferred in 2018.
- g. **Suisun Bay Channel (and New York Slough)** –2018 Clamshell award is expected to initiate dredging **in late August and to complete in late October.**

2. DEBRIS REMOVAL – Debris removal for January 2018 was 95 tons. Raccoon: 45 tons, including 1 abandoned vessel; other boats: 50 tons, including 5 abandoned vessels. Average for January from 2008 to 2017 is 119 tons (Range: 35-417 tons).

BASEYARD DEBRIS COLLECTION TOTALS:

MONTH	RACCOON	DILLARD	MISC	TOTAL
2018	TONS	TONS	TONS	TONS
JAN	45	0	50	95
FEB	0	0	0	0
MAR	0	0	0	0
APR	0	0	0	0
MAY	0	0	0	0
JUN	0	0	0	0
JUL	0	0	0	0
AUG	0	0	0	0
SEP	0	0	0	0
OCT	0	0	0	0
NOV	0	0	0	0
DEC	0	0	0	0

YR TOTAL
95

3. UNDERWAY OR UPCOMING HARBOR IMPROVEMENTS

None to report.

4. EMERGENCY (URGENT & COMPELLING) DREDGING

None to report.

5. OTHER WORK

San Francisco Bay to Stockton – The study is now being conducted by the Wilmington District to more efficiently match the study with available resources. Funding was allocated in the FY17 work plan. The Tentatively Selected Plan (TSP) milestone for Phase I (Western Reach) of the project was held on 29 June 2016 utilizing FY14 carryover funds. The recommended plan is to deepen the Phase I reach of the project from a depth of -35 feet to -38 feet MLLW. The final report is scheduled to be approved in February 2019. Additional funding will be dependent upon FY18 work plan funding.

HYDROGRAPHIC SURVEY UPDATE

Address of Corps' web site for completed hydrographic surveys:

<http://www.spn.usace.army.mil/Missions/Surveys,StudiesStrategy/HydroSurvey.aspx>

The following surveys are posted:

Alameda Point Navigation Chanel: Condition survey of November 7, 2017.
Berkeley Marina (Entrance Channel): Condition survey of November 2, 2017.
Islais Creek Channel: Condition survey of November 17, 2017.
Larkspur Ferry Channel: Condition survey of November 6, 2017.
Main Ship Channel: Condition survey of March 9 & 20, 2017.
Mare Island Strait: Condition survey of September 24, 2014.
Marinship Channel (Richardson Bay): Condition survey of December 7, 2017.
Napa River: Condition survey of May 4-9, 2017.
Northship Channel: Condition survey of October 27, 2017.
Oakland Entrance Channel (Reach 1A-C): Post-dredge surveys of January 17 & 19, 2018.
Oakland Inner Harbor (Reach 2): Post-dredge survey of October 10, 2017 & November 2, 2017.
Oakland Inner Harbor (Reach 4): Post-dredge survey of January 17, 2018.
Oakland Inner Harbor (Reach 5): Post-dredge survey of January 5, 2018.
Oakland Inner Harbor (Reach 6): Post-dredge survey of December 21, 2017.
Oakland Outer Harbor (Reach 7-8): Post-dredge surveys of September 2 & 11, 2017.
Oakland Outer Harbor (Reach 9-10): Condition survey of May 16-22, 2017.
Petaluma River (Across-the-Flats): Condition survey of September 12-14, 2014.
Petaluma River (Main Channel): Condition survey of December 12-13, 2017.
Pinole Shoal Channel: Post-dredge survey of November 14-17, 2017.
Redwood City Harbor: Post-dredge survey of September 7, 18, 21, 25 & 29, 2017.
Richmond Inner Harbor: Post-dredge survey of October 3-13, 31, 2017 and November 7-13 & 19-20, 2017.
Richmond Inner Harbor (Santa Fe Channel): Condition survey of December 20, 2016.
Richmond Outer Harbor (Longwharf): Condition survey of January 25, 2018.
Richmond Outer Harbor (Southampton Shoal): Condition survey of January 25, 2018.
Sacramento River Deep Water Ship Channel: Post-dredge surveys of August 5, 2017, August 14, 2017, August 23, 2017, September 5 & 27, 2017.
San Bruno Shoal: Condition survey of March 27, 2017.
San Leandro Marina (and Channel): Condition survey of March 30 and April 1, 2015.
San Rafael (Across-the-Flats): Condition survey of October 30-31, 2017.
San Rafael (Creek): Condition survey of October 30, 2017.
Stockton Ship Channel: Post-dredge surveys of October 6, 11, 27 & 31, 2017 and November 9, 13 & 21, 2017.
Suisun Bay Channel: Post-dredge survey of October 10 & 20, 2017.

Suisun Bay Channel (Bullshead Reach): Condition survey of April 19, 2017.
Suisun Bay Channel (New York Slough): Pre-dredge survey of July 13-14, 2017.

Disposal Site Condition Surveys:

SF-08 (Main Ship Channel Disposal Site): Condition survey of May 11, 2017.
SF-09 (Carquinez): Condition survey of October 25, 2017.
SF-10 (San Pablo Bay): Condition survey of October 25, 2017.
SF-11 (Alcatraz Island): Condition survey of November 30, 2017.
SF-16 (Suisun Bay Disposal Site): Condition survey of September 1, 2016.
SF-17 (Ocean Beach Disposal Site): Condition survey of May 11, 2017.

Requested Surveys:

Condition surveys are scheduled to occur thru the end of March for all of San Francisco District's in-bay projects which are planned to be dredged in FY18.

NEW WEB ADDRESS – USACE WORK PLAN:

<http://www.usace.army.mil/Missions/Civil-Works/Budget/>

O&M DREDGING PLAN FOR FY18*

8-Jan-18

Project	District	OCT NOV DEC			JAN FEB MAR			APR MAY JUN			JUL AUG SEP			Estimated CY	Planned Placement Site	Notes	
		FY 2017			FY 2018			FY 2019									
SF Main Ship Channel	SPN/NWP						Essayons	■						350kcy	OBDS/SF-8	Estimated performance period May 15 - May 30	
Richmond Outer Harbor	SPN/NWP						Essayons		■					300kcy	SF-11/SF-10	In alignment with last years proposal to alternate Hopper Dredging, Richmond will utilize the Essayons	
Richmond Inner Harbor	SPN	■	■							◆	◆	▨		350kcy	DODS/upland least cost	Estimated performance period Aug 10- Oct 10	
Oakland Harbor	SPN	■	■	■	■	■	**			◆	◆	▨		700kcy	DODS/upland least cost	Estimated performance period Aug 1- Nov 30	
Redwood City Harbor	SPN	■								◆	◆	▨		250kcy	SF-11	Estimated performance period Aug 17- Nov 3	
Pinole Shoal	SPN/NWP		■														In alignment with last years proposal to alternate Hopper Dredging, Pinole will be deferred
Suisun Bay Channel	SPN		■	■							◆	◆	▨	175kcy	SF-16	Estimated performance period Aug 25- Nov 5	
Sacramento River (30 Ft)	SPN									◆	◆	▨		100kcy	Various Upland		
San Joaquin, Port of Stockton	SPN	■	■	■	**								▨	250kcy	Various Upland	Estimated performance period 22 July - Nov 30	



Ongoing Contracts
 New SPN Contract
 West Coast Hopper Contract
 Government Dredge



Environmental Window



Bid Opening



Contract Award

* Program execution is based on the FY18 President's Budget, Workplan and Federal Standard plan for each project.

Date of Update:

1/8/2018

** Window Extension.



Harbor Safety Committee of the
San Francisco Bay Region Clearing House
c/o Marine Exchange of the San Francisco Bay Region
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San Francisco, California 94133-1131
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San Francisco Clearinghouse Report

February 8, 2018

- ✎ In January the clearinghouse did not need to contact OSPR regarding any possible escort violations.
- ✎ In January the clearinghouse did not receive any notifications of vessels arriving at the Pilot Station without escort paperwork.
- ✎ The clearinghouse did not contact OSPR in January about possible escort violations. The clearinghouse did not contact OSPR in 2017 about possible escort violations. The clearinghouse contacted OSPR 1 time in 2016 about a possible escort violation. The clearinghouse contacted OSPR 3 time in 2015 about possible escort violations. The clearinghouse contacted OSPR 5 times regarding possible escort violations in 2014. The clearinghouse contacted OSPR 1 time in 2013. The clearinghouse contacted OSPR 3 times in 2012 regarding any possible escort violations, 3 times in 2011, 6 times in 2010, 8 time 2009; 4 times 2008; 9 times in 2007; 9 times in 2006; 16 times in 2005; 24 times in 2004; twice in 2003; twice in 2002; 6 times in 2001; 5 times in 2000.
- ✎ In January there were 107 tank vessel arrivals; 10 ATB's, 6 Chemical Tankers, 22 Chemical/Oil Tankers, 27 Crude Oil Tankers, 1 LPG, 25 Product Tankers, and 16 Tugs with Barges.
- ✎ In January there were 289 total arrivals.

San Francisco Bay Clearinghouse Report For 2018

San Francisco Bay Region Totals

	<u>2018</u>		<u>2017</u>	
Tanker arrivals to San Francisco Bay	81		797	
ATB arrivals	10		146	
Barge arrivals to San Francisco Bay	16		150	
Total Tanker and Barge Arrivals	97		1,093	
Tank ship movements & escorted barge movements	353		3,562	
Tank ship movements	192	54.39%	2,075	58.25%
Escorted tank ship movements	145	41.08%	1,618	45.42%
Unescorted tank ship movements	47	13.31%	457	12.83%
Tank barge movements	161	45.61%	1,487	41.75%
Escorted tank barge movements	21	5.95%	218	6.12%
Unescorted tank barge movements	140	39.66%	1,269	35.63%

Percentages above are percent of total tank ship movements & escorted barge movements for each item.

Escorts reported to OSPR 0 0

Movements by Zone	Zone 1	%	Zone 2	%	Zone 4	%	Zone 6	%	Total	%
Total movements	208		341		0		139		688	
Unescorted movements	100	48.08%	178	52.20%	0	0.00%	67	48.20%	345	50.15%
Tank ships	75	36.06%	133	39.00%	0	0.00%	59	42.45%	267	38.81%
Tank barges	25	12.02%	45	13.20%	0	0.00%	8	5.76%	78	11.34%
Escorted movements	108	51.92%	163	47.80%	0	0.00%	72	51.80%	343	49.85%
Tank ships	100	48.08%	143	41.94%	0	0.00%	66	47.48%	309	44.91%
Tank barges	8	3.85%	20	5.87%	0	0.00%	6	4.32%	34	4.94%

Notes:

1. Information is only noted for zones where escorts are required.
2. All percentages are percent of total movements for the zone.
3. Every movement is counted in each zone transited during the movement.
4. Total movements is the total of all unescorted movements and all escorted movements.



CALIFORNIA STATE LANDS COMMISSION

HARBOR SAFETY COMMITTEE MONTHLY REPORT - JANUARY COMPARISON

VESSEL TRANSFERS

	Total Transfers	Total Vessels Monitored	Total Transfers Percentage
JANUARY 1 - 31, 2017	202	93	46.04
JANUARY 1 - 31, 2018	209	72	34.45

CRUDE OIL / PRODUCT TOTALS

	Crude Oil (D)	Crude Oil (L)	Overall Product (D)	Overall Product (L)	GRAND TOTAL
JANUARY 1 - 31, 2017	13,447,300	100,000	17,843,400	7,099,033	24,942,433
JANUARY 1 - 31, 2018	15,497,500	0	19,713,600	8,474,115	28,187,715

OIL SPILL TOTAL

	<u>TERMINAL</u>	<u>VESSEL</u>	<u>Total</u>	<u>Gallons Spilled</u>
JANUARY 1 - 31, 2017	1	0	1	1 Gallon - MDO
JANUARY 1 - 31, 2018	1	0	1	1 Gallon - Gasoline

Disclaimer:

Please understand that the data is provided to the California State Lands Commission from a variety of sources; the Commission cannot guarantee the validity of the data provided to it.



SFFD | NEW FIREBOAT STATION 35 AT PIER 22 ½

PRESENTATION TO HARBOR SAFETY COMMITTEE - FEBRUARY 8, 2018
PORT, PIER 1, BAYSIDE CONFERENCE ROOM, SAN FRANCISCO, CA 94111



AGENDA

- Project Context and Background
- Float Design
- Float Construction
- Project Schedule
- Questions

ESER 2014 BACKGROUND

\$400M General Obligation Bond authorized in June 2014 with approval by 79% of voters

<ul style="list-style-type: none"> Neighborhood Fire Stations <ul style="list-style-type: none"> Fireboat Station 35: \$39.9M 	\$85M
<ul style="list-style-type: none"> Emergency Firefighting Water System 	\$55M
<ul style="list-style-type: none"> District Police Stations and Infrastructure 	\$30M
<ul style="list-style-type: none"> Motorcycle Police and Crime Lab 	\$165M
<ul style="list-style-type: none"> Medical Examiner Facility 	\$65M



ESER Program Project Map



EXISTING SITE



SAN FRANCISCO FIRE DEPARTMENT MARINE OPERATIONS

1989 Marina District Fire

“The Phoenix was a vital tool in the Marina District during the chaotic aftermath of the 1989 Loma Prieta Earthquake. ...the Phoenix delivered critical assistance to the conflagration at Beach and Divisadero Streets, saving countless homes.” <http://www.atlasobscura.com/places/pier-sffd-fire-boats>

Bay Risks

- Water rescue, fire operations, EMS, body recovery, spill containment, Emergency Firefighting Water System (EFWS) and Auxiliary Water Supply System (AWSS).
- Significant maritime traffic and several bridges.
- San Francisco International Airport (SFO) generates 1,500 – 2,000 flights with runway approaches to the Bay
- Commercial ship traffic brings significant tonnage of freight across the Bay.
- Ferry and cruise companies carry millions of passengers per year around, and in and out of the Bay.
- Oil refineries for Chevron, ARCO and Shell; jet fuel companies such as Kinder Morgan in Bay Area.



PROJECT DESCRIPTION

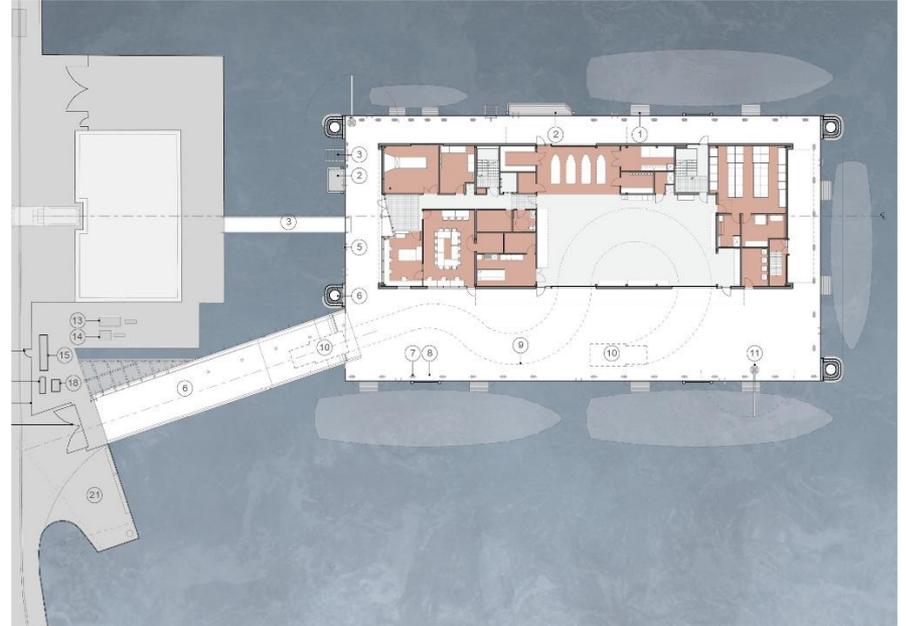
New Fireboat Station: 15,342 SF (building); 16,435 SF (float)

SFFD MARINE ASSETS

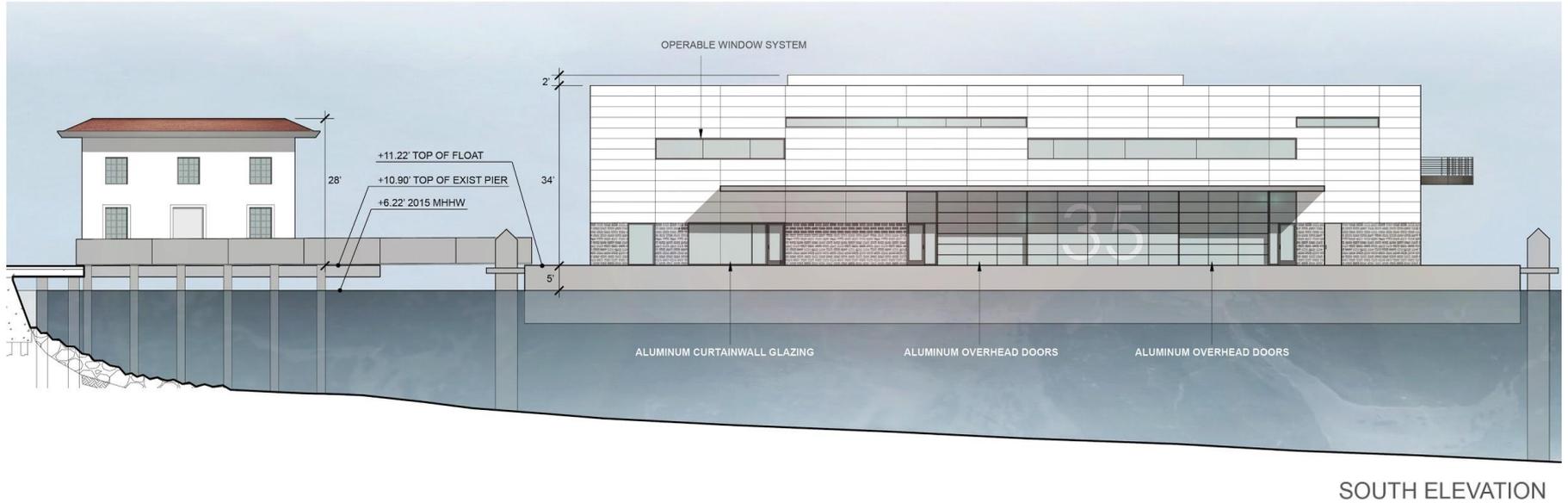
- Three Fire Boats: Phoenix, Guardian, and St. Francis
- 1 Rescue Watercraft
- 4 Jet Skis
- 1 Dive Boat
- One Fire Engine (will continue to operate from Historic Firehouse)

FEATURES

- Consolidates all SFFD marine assets and equipment at central location for most effective emergency response
- Constructed to Essential Facility standards for immediate operation after a major earthquake
- Ambulance access for mass-casualty and fatality incidents
- Safe access and deployment of all watercraft
- Public Viewing Platform along Embarcadero



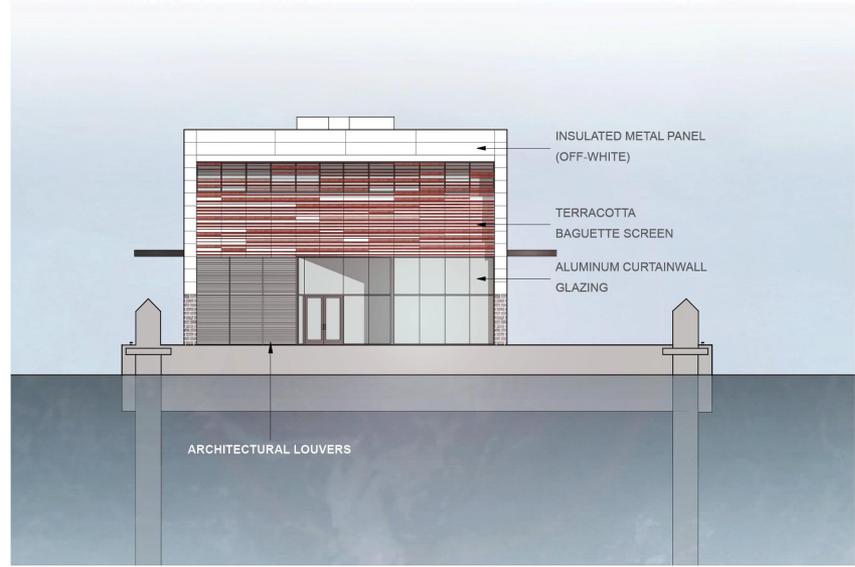
CONCEPT - SOUTH ELEVATION



CONCEPT - EAST AND WEST ELEVATIONS

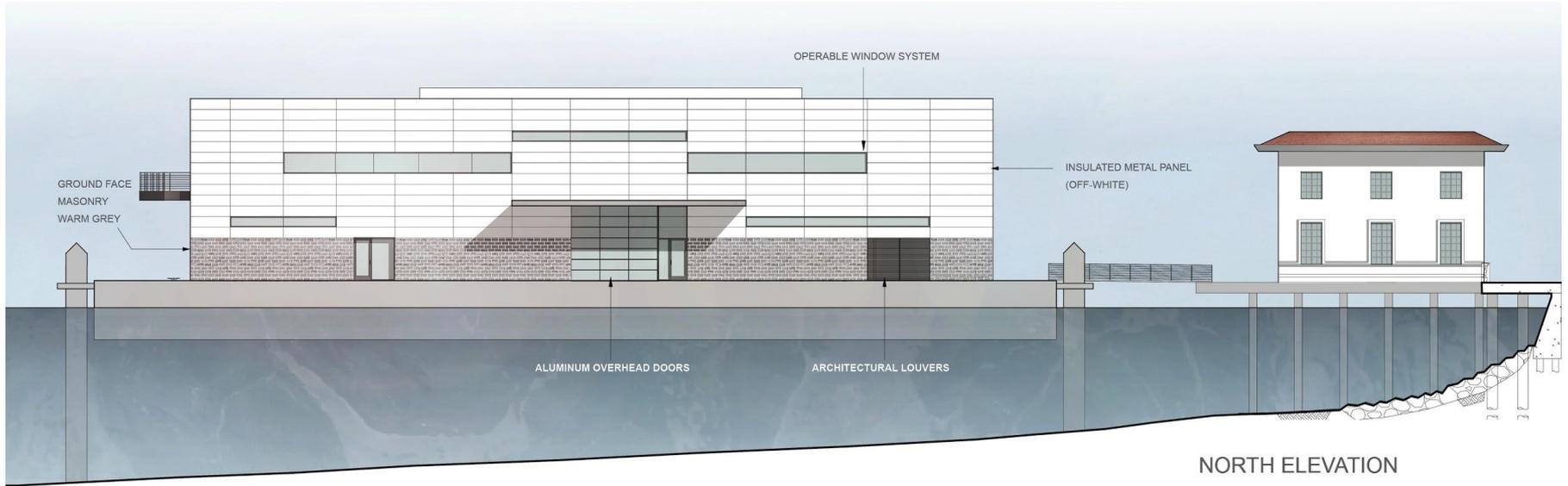


WEST ELEVATION

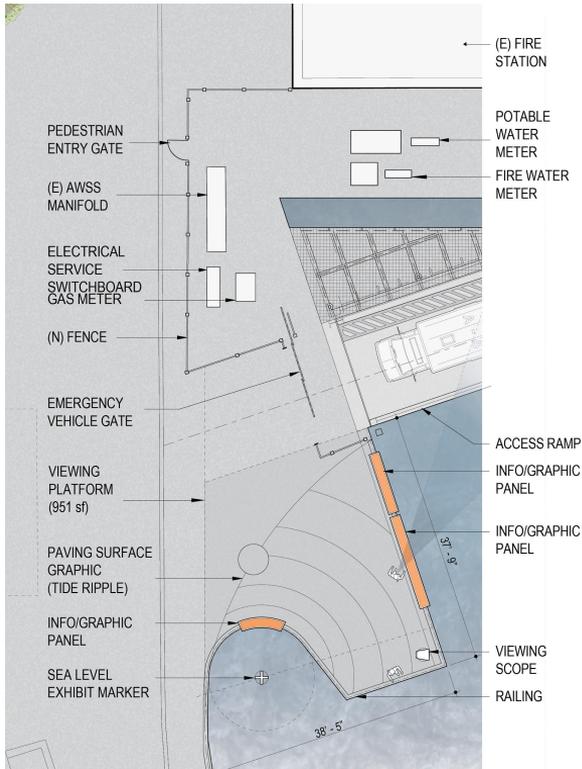


EAST ELEVATION

CONCEPT - NORTH ELEVATION

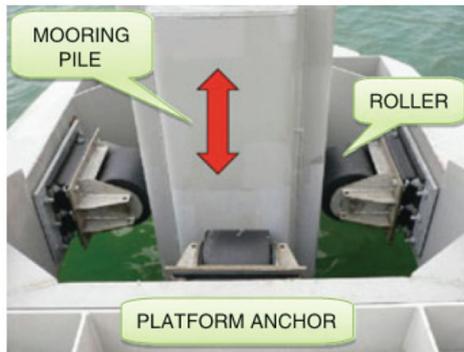


CONCEPT - PUBLIC VIEWING PLATFORM



FLOAT DESIGN

- Some design considerations:
 - Sea level rise (SLR) - float moored with steel collar wrapped around guide piles so float can move vertically to adapt to sea level rise
 - 100 year design storm
 - Design level earthquake
 - Wake - up to 5' waves, short duration so should not exceed comfort criteria or overtop the float edge



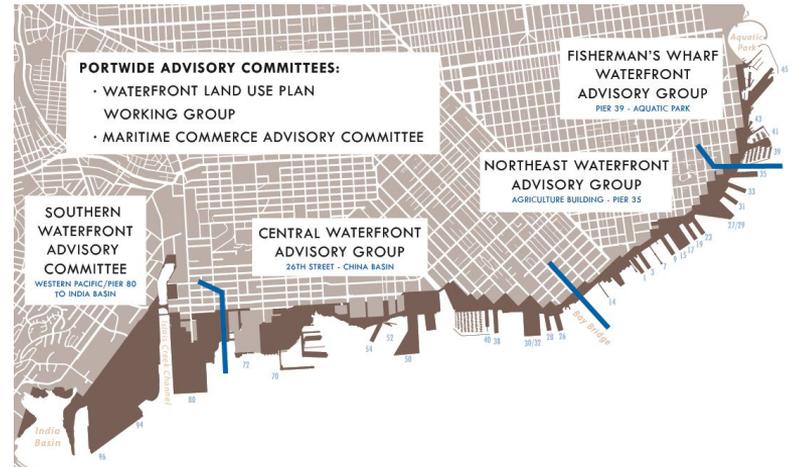
FLOAT CONSTRUCTION

- Fabricate float, vehicular access ramp, pier platform, and piles in Shanghai, China at ZPMC shipyard
- Use a semi-submersible or heavy lift vessel to transport from Shanghai to Pier 1, Treasure Island, San Francisco
- Concurrently, between June 2019 - November 2019, in-water work will occur at Pier 22 ½ and 24
 - Demolition of existing finger piers and parking lot will occur first, then pile driving will occur
- Once building on top of float is complete, float will be moved to Pier 22 ½ via tug boats and will be secured to the guide piles with collars for permanent mooring



OVERSIGHT AND REGULATORY APPROVAL

City Agency (Approval)	SF Port Building Permit Division
	SF City Planning Environmental Planning Division
	San Francisco Fire Department (SFFD) Administration
City Agency (Advisory)	San Francisco Fire Commission
	San Francisco Port Commission
	Central Waterfront Advisory Group (CWAG)
	Citizen Advisory Committees (CAC)
	Waterfront Design Advisory Committee (WDAC)
Regulatory Agency (Approval)	San Francisco Bay Conservation and Development Commission (BCDC)
	US Army Corps of Engineers (USACE)
	San Francisco Bay Regional Water Quality Control Board (RWQCB)
	US Coast Guard
Regulatory Agency (Consultation)	US Fish and Wildlife Services (USFWS)
	National Marine Fisheries Service (NMFS)
	CA Department of Fish and Wildlife (CDFW)
	CA State Lands Commission
	State Historic Preservation Officer



DESIGN-BUILDER'S PROPOSED SCHEDULE

Description	Start	Finish	2017				2018				2019				2020				2021			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Programming & Concept Phase	10/24/17	01/25/18	Programming & Concept Phase																			
Informational meeting No. 1	10/24/17	10/24/17	Informational meeting No. 1																			
Informational meeting No. 2	12/07/17	12/07/17	Informational meeting No. 2																			
Respond to Public Comments	12/08/17	01/25/18	Respond to Public Comments																			
Design Phase	09/25/17	01/29/19	Design Phase																			
CEQA Approval NEG DEC issued	09/25/17	11/30/18	CEQA Approval NEG DEC issued																			
Barge Design	01/29/18	08/15/18	Barge Design																			
Schematic Documents Phase Bldg	01/29/18	03/15/18	Schematic Documents Phase Bldg																			
Design Documents Phase Bldg	03/16/18	06/04/18	Design Documents Phase Bldg																			
Construction Documents Phase Bldg	06/05/18	09/26/18	Construction Documents Phase Bldg																			
Float Permit PORT	09/04/18	12/17/18	Float Permit PORT																			
Building Permit PORT	09/27/18	01/29/19	Building Permit PORT																			
Construction Phase	12/03/18	11/10/20	Construction Phase																			
Barge Fabricate & Deliver to Treasure Island	12/03/18	06/27/19	Barge Fabricate & Deliver to Treasure Island																			
Bidding & Procurement for Building	12/03/18	01/30/19	Bidding & Procurement for Building																			
In-Water Marine Construction	06/03/19	11/27/19	In-Water Marine Construction																			
Construct Fire Station	06/28/19	09/29/20	Construct Fire Station																			
Start-up & Commissioning	09/30/20	11/10/20	Start-up & Commissioning																			

2/8/2018



Project website: www.sfearthquakesafety.org/fireboatstation35

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