



Earthquake Safety and Emergency Response Bond Program 2010 & 2014

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Quarterly Status Report

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Pumping Station 2 at Fort Mason – In Progress



FS 17 – Shower Renovation



FS 5 – Ribbon Cutting Ceremony (May 1, 2019)



FS 5 – Complete

Prepared for the:

- Office of the Chief Medical Examiner
- San Francisco Fire Department
- San Francisco Police Department
- Public Utilities Commission

Submitted by
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Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

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Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

Executive Summary

The \$412.3 million **Earthquake Safety and Emergency Response 2010 (ESER 2010) Bond Program** consists of three components: **Public Safety Building, Neighborhood Fire Stations & Support Facilities**, and **Auxiliary Water Supply System**. In this reporting period, under the *Neighborhood Fire Stations*, *Station 16* achieved final completion and *Station 5* completed construction. SFFD began occupying and operating out of Station 5 on April 30, 2019 and a ribbon cutting ceremony was held on May 1, 2019. *Additional Focused Scope* category projects within the *Neighborhood Fire Stations* component are proceeding apace, adhering to stipulated schedules and budgets.

The \$400 million **Earthquake Safety and Emergency Response 2014 (ESER 2014) Bond Program** consists of five components: **Office of the Chief Medical Examiner, Traffic Company & Forensic Services Division, Neighborhood Fire Stations, Emergency Firefighting Water System, and Police Facilities**.

The *Office of the Chief Medical Examiner* project was inaugurated in November 2017 and is fully operational. City's Certificate of Acceptance was issued on December 13, 2018. Final payment to the CM/GC was released February 2019. The Executive Architect's final payment is in process.

The Traffic Company & Forensic Services Division project updated the Capital Planning Committee on April 30, 2018, informing them that after two separate cost reduction and value engineering efforts yielding \$26.65 million in savings, and inclusive of additional bond generated funding of \$8.7M made available to the TCFSD, there still remains a \$6.65 million budget deficit. When factoring appropriate contingency to this number, it has produced an \$8.65 million deficit in funding. The resulting outcome of the CPC meeting, Capital Planning staff directed the ESER Program Manager to suspend four (4) ESER 2014 projects – 2 police and 2 fire – to approximate the \$8.645M. These projects will remain suspended until such time as the trade bid packages are largely bought-out and the true TCFSD budget deficit understood.

Under *Neighborhood Fire Stations* component, the *Fireboat Station 35* project was unanimously approved by the Bay Conservation & Development Commission (BCDC) on April 18, 2019. In regard to development of major work products, the Design-Builder submitted 90% Construction Documents for the building on April 30, 2019. Demolition and construction activities at Pier 22 ½ are tentatively scheduled to begin in Q3 2019.

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The Police *Northern, Taraval, and Richmond Station Renovation Project* is near construction completion; work at Taraval Station was completed; work at Northern Station was completed; remaining work at Richmond Station will be completed by July 2019.

The Public Utilities Commission manages the projects under the *Auxiliary Water Supply System* and the *Emergency Firefighting Water System* components for both programs. Construction continued for Ashbury Bypass Pipeline (2500J), Mariposa Terry Francois Boulevard (DB-128R2) Pipeline, and Pumping Station 2 (WD-2687) contracts. AWSS construction completed for Irving Street Pipeline (2541J). Construction completed for Pumping Station 1 (WD-2686). 19th Ave Pipeline (2652J), Clarendon Supply Pipeline (WD-2861), and Terry Francois Boulevard/Mission Rock/South Street Pipeline (DB-129.1) contracts bidding advertisement expected in August 2019.

To date, the ESER 2010 program has received the proceeds of six bond sales totaling \$412,300,000 and in addition has received interest earned with a current total appropriation of \$415,372,929. The ESER 2014 program has received the proceeds of three bond sales totaling \$397,988,157, inclusive of savings from cost of issuance which has been appropriated to the other program components.

Please refer to the following report for further details or visit the ESER website at www.sfearthquakesafety.org for previously issued reports.

Program Summary and Status

Public Safety Building (ESER 2010)



Photo © Tim Griffith, 2015

Location: Block 8 in the Mission Bay South Redevelopment Area. The block is bounded by Mission Rock, Third, and China Basin Streets.

Project Description: The Public Safety Building (PSB) is meant to provide a new venue for the SFPD Headquarters – effectively the command and control administration of the City’s police department-including the relocation of Southern District Station and a new Mission Bay Fire Station. Included in the project is the reuse of Fire Station #30, which will serve as a multi-purpose facility for the Fire Department and the community. Historic resource consultants have determined that the existing fire station is eligible for the National Register of Historic Places. Consistent with the Mission Bay SEIR Addendum No. 7, Mitigation Measures, Item D.02, this facility will be retained and reused in a manner that preserves its historic integrity. The other components of the project will be designed to be respectful of the historic integrity of the existing fire station.

Both the Police Headquarters and the Southern District Police station are located at 850 Bryant also known as the Hall of Justice. This facility is over 50 years old and does not meet current

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seismic codes and requirements. In the event of a major earthquake, this building is not expected to be operational. The PSB will provide a new venue for these two police elements that are a part of a larger strategy to replace the Hall of Justice, established in the City's Capital Plan as the *Justice Facilities Improvement Program (JFIP)* Police Investigations and associated property and evidence storage will remain at the Hall until they are relocated.

Project Background: The functionality of the entire police department in the event of a major catastrophe relies on the ability of the police leadership within police command center headquarters to promptly and properly coordinate public safety services in the city. The district station plays an equally critical role in providing responsive public safety to residents of San Francisco in a timely manner. This station includes those working the front line that are the first to arrive at a crime scene, maintain the peace during difficult situations, assist in the investigation of criminal activity; provide support to other first responders including the Fire Department and emergency medical services.

Project is complete and the facility is occupied.

Project Budget: Project Cost, inclusive of all change orders to date, tracked to within the Total Project Budget of \$243M (GO Bonds and general funds).

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Neighborhood Fire Stations (ESER 2010)

Component Description: The ESER bond will renovate or replace selected fire stations to provide improved safety and a healthy work environment for the firefighters. The selected stations are determined according to their importance for achieving the most effective delivery of fire suppression and emergency medical services possible.

Background: All of the 42 San Francisco Fire Stations have, as a result of minimal deferred maintenance over decades, yielded building conditions that potentially compromise the safety and health of firefighters. Many stations have structural/seismic and other deficiencies that could inhibit their continuous functionality. Some may not be operational after a large earthquake or other disasters, hindering the ability of the firefighters to respond to calls for service.

Prior to approval of the bond program, the majority of the City's fire stations and support facilities were generally assessed for their respective condition and to identify vulnerabilities or deficiencies that could compromise their essential role as deployment venues for first responders.

For budget planning purposes, the assessment reports were reviewed by cost estimators who prepared estimates of the cost of correcting the conditions noted in the assessments. The cost estimates indicate only the overall "order of magnitude" of the various facility deficiencies and relative proportions of various types of work.

Preliminary assessment of the neighborhood fire stations indicate that the sum of all existing deficiencies would require a budget exceeding \$350M to correct, significantly more funds than are available in this bond for such purposes. Therefore, additional detailed planning is required to focus the expenditures of this bond towards the most beneficial and cost-effective immediate rehabilitation and/or improvement projects.

A list of projects to be completed by the ESER 2010 bond was identified by Public Works and the Fire Administration and accepted by the Fire Commission at their meeting of September 23, 2010.

The ESER 2010 bond program is anticipated to complete improvements to 24 of the 42 neighborhood fire stations. The approved slate of projects was presented to the SF Fire Commission on April 26, 2012.

In addition, Public Works certified Master Contracts for 2 Specialty JOC contractors, Byron Epp and National Garage Door, for the remaining Apparatus Bay Door Replacements. Scoping and pricing for the work is underway with material procurement anticipated in mid-August 2019.

The following is a detailed status per project:

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Seismic Projects

Fire Station No. 16 (Marina District)



Photo © Alejandro Velarde, 2019

Design services:

- Architecture: San Francisco Public Works
- Structural, MEP, and Fire Alarm Engineering: San Francisco Public Works
- Civil Engineering: Parsons Brinckerhoff

General Contractor: Roebuck Construction

Schedule: The approved substantial completion date is July 16, 2018. Contractor achieved substantial completion on January 10, 2019. As a result of the overall delay of the project, Public Works has calculated per contract an assessment of liquidated damages from July 17, 2018 to January 10, 2019, in the amount of \$445,000. SFFD began occupying and operating out of the new station on January 16, 2019. A ribbon cutting ceremony was held on January 31, 2019. Final completion was achieved on June 5, 2019.

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Fire Station No. 5 (Fillmore District)



Photo © Alejandro Velarde, 2019

Design services:

- Architecture: San Francisco Public Works
- Structural Engineering: San Francisco Public Works
- MEP, Fire Alarm, and Civil Engineering: GHD

General Contractor: Alten Construction

Schedule: SFFD began occupying and operating out of the station on April 29, 2019. A ribbon cutting ceremony was held on May 1, 2019. Final Completion is anticipated to be achieved in August 2019.

Fireboat Station 35: (See ESER 2014 this report)

Fireboat Station 35 will occur within ESER 2014 Program, however, the pre-design and CEQA and environmental review costs of \$687,125 will reside under ESER 2010. The budget that was identified for Station 35 was funded by ESER 2010 and the Fire Facilities Bonds funds totaling \$17M. The ESER 2010 funding will be used to offset Station 5 and 16. The Fire Facilities Bond funds will continue to supplement ESER 2014 funds for Station 35.

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Equipment Logistics Center (ELC):

The ELC project was identified after the passage of the bond – it was suggested as a project combining the Bureau of Equipment (BOE) and Emergency Medical Services (EMS). In this configuration, the sum total of functional program area makes it infeasible to occur at the current EMS venue at 1415 Evans; more significantly, the budget for such a project is not available within the ESER 2010 NFS funding.

SFFD requested that Public Works prepare a program analysis and cost estimate for the EMS apart from the BOE for consideration in the proposed 2016 Public Health and Safety Bond – which received 79 percent voter approval in June 2016.

Comprehensive Project: Station 36

Project was successfully completed and SFFD reoccupied the station on November 19, 2014.

Focused Scope Projects

Design services:

- Public Works BDC/IDC for Roofing, Envelope, Apparatus Bay Door Replacement, Showers, and Sidewalk categories of Focused Scope.
- GHD (as-needed electrical engineering consultants) for Generator Replacement projects.

Roofs – 15 Stations

Summary: The scope consists of installing new roofing systems and upgrading exhaust fans on fifteen (15) stations. 2011 Package (Stations 6, 38, 41 and 42), Package 1 (Station 28); Package 2 (Station 2); Package 3 (Stations 18, 40 and 31), Package 4 (Stations 15, 17, 26, and 32), and Package 5 (Stations 10 and 13) roofs. Per SFFD direction, the 2011 package and Package 2 were completed by JOC contractors, and the balance of the projects were bid out to C39 roofing contractors.

Detail: All work is complete.

Exterior Envelope (BBR) – 16 Stations

Summary: The scope consists of paint and ancillary work to prevent water intrusion at sixteen (16) stations. Per SFFD direction, BBR executed the paint work at six (6) Stations, 6, 28, 38, 41, 42, and 49 while the remaining work, Package 4 (Stations 15, 32 and 40), Package 5 (Stations 10, 13, 17 & 26), and Package 6 (stations 2, 18 & 31) were bid out through Public Works public bidding process to B or C33 license contractors due to the complexity of scope at these stations.

Detail: All work is complete.

Emergency Generator Replacement – 5 Stations

Summary: The scope consists of installing new Emergency Generators and related ancillary scopes of work at five (5) Stations 6, 12, 15, 17, and 21. Per SFFD direction, BBR executed the work at

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Station 15; a JOC contractor executed the work at Station 17; and Stations 6, 12 and 21 were bid through the Public Works public bidding process to C10 license contractors.

Detail: All work is complete.

Detail: All work is complete.

Shower Reconstruction – 9 Stations

Summary: The scope of work consists of installing new shower stalls including shower pans, shower heads, divider walls, glass doors, floor drains, p-traps, access panels, and ancillary scopes of works at nine (9) Stations, 6, 13, 15, 17, 18, 26, 38, 40 & 41. Station 6 was completed by BBR in July 2013. Station 15 was completed by JOC Contractor, Rodan Builder, in September 2013. Stations 13, 18, 26, 38, 40 & 41 were bid through the Public Works public bidding process to B license contractors. Stations 17 and 18 were put on hold by SFFD due to scope complexity.

Detail: All work is complete.

Mechanical Scope (JOC) – 15 Stations

Summary: The scope is structured into two phases: Phase 1 – Investigation and Scope Validation, and Phase 2 – Execution of Work. The stations were divided into two groups, Group 1 – four (4) stations and Group 2 – eleven (11) stations. Group 1 (Stations 6, 17, 38 and 42) had an NTP issued on May 24, 2013. The stations were substantially completed in August 2013, and final completed by Azul (JOC Contractor) in November 2013. Group 2 (Stations 2, 10, 13, 15, 18, 26, 28, 31, 32, 40, 41) were awarded to Rodan (JOC Contractor). NTP was issued on December 16, 2013. Work started on January 2, 2014, and reached final completion in November 2014.

Detail: All work is complete.

Window Repair (BBR) - 12 stations

Summary: The scope consists of installing new latch, handle, weep holes, sealant and weather-strip to existing windows, replacing broken panes of glasses, and adjusting alignment and resealing the perimeter of the frame to water tight at twelve (12) Stations, 2, 6, 17, 25, 26, 28, 31, 32, 38, 40, 41 and 42. BBR was selected to perform the work per SFFD direction. The first Package including Stations 28, 38, 41 and 42 started in April 2012 and completed in June 2012; the second package including Stations 6, 17, 32 and 40 began in April 2013 and finished in June 2013; and the third package including Stations 2, 25, 26 and 31 started construction in November 2013, and completed in January 2014.

Detail: All work is complete.

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Additional Focused Scope

Summary: Additional Focused Scope includes Apparatus Bay Door Replacement at multiple Fire Stations and Exterior Envelope Painting at Fire Department Headquarters. In addition, in July 2017, SFFD requested that additional Fire Stations receive Additional Generator Replacements. The funding allocated for Additional Generators will be applied toward a prioritized list of Fire Stations selected by SFFD.

Detail:

- Project Management, BDC and consultant GHD Engineers developed a scope of work for an Additional Generator Replacement at Fire Station 14. GHD Engineers & BDC Architecture have completed 90% CDs. Plans to be submitted to DBI for permit in Fall 2019.
- A JOC Master Contract was awarded to National Garage Door (NGD) on 4/29/18 for Apparatus Bay Door Replacements at multiple Fire Stations. The first JOC Work Order was issued to NGD on 6/24/19 for Fire Stations 8, 28 and 29.
- SFFD Headquarters Painting is complete.

Historic Evaluation and Environmental Review

Summary: CEQA reviews and approvals proceeded apace and coordinated with the overall design and construction schedule of projects.

Detail: Historic evaluation site visits were completed at 21 stations (14 Focused Scope / Alternate stations; 6 Seismic / Comprehensive stations; and the Fire Boat station.)

Project Budget:

Refer to the [Attachment 1 – Program Budget Report](#).

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Neighborhood Fire Stations (ESER 2014)

Component Description: The ESER 2014 bond program continues the work of ESER 2010 bond, categorizing projects according to three sub - categories of Focused Scope, Comprehensive, and Seismic. The ESER 2014 bond program will continue to address identified and prioritized needs at Fire Stations that were previously not addressed under the 2010 program. Significant construction projects will have been completed at all SFFD Fire Stations at the conclusion of the 2010 and 2014 bond programs.

SFFD approved the NFS Focused Scope, Comprehensive and Seismic budget portfolio in April 2015. In October of 2017, SFFD approved an updated budget revision.

Design services are being provided by Public Works BDC/IDC, unless otherwise noted.

The following is a detailed status per project:

Seismic Projects:

Fireboat Station 35 at Pier 22 ½



Embarcadero Perspective of West and South Elevations

Design-Builder: Swinerton-Power, a Joint Venture and Shah Kawasaki Architects

FLOAT (float, steel piles, observation deck, vehicle access platform, gangway)

Design Phase: October 2017 – November 2018

PORT Permits: November 2018 – July 2019

Construction Phase*: July 2019 – December 2019

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*Fabrication of float through delivery to Treasure Island; includes demolition activities at Pier 22 ½.

BUILDING

Design Phase: October 2017 – July 2019

PORT Permits: March 2019 – July 2019

Construction Phase*: January 2020 – December 2020

*Construction of building superstructure on top of float at Pier 1, Treasure Island and pile driving activities (guide piles for float and piles for public access platform) at Pier 22 ½.

The Design-Builder submitted 90% Construction Documents for the building on April 30, 2019. The San Francisco Bay Conservation and Development Commission (BCDC) unanimously approved the project on April 18, 2019. The Port Commission approved the new MOU between the Port and SFFD. The Port to issue permit for demolition activities and fabrication of the float and other steel elements (piles, observation deck, vehicle access ramp, gangway) in July 2019.

Pier 26 Fireboat Berths



New Sidewalk

Design services: COWI North America

Contractor: Vortex Marine Construction

Percentage complete (as of 6/30/2019): 99%

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Construction completed by Vortex Marine Construction on March 14, 2017, except for fencing and electrical work. The safety railings and security fencing and gates were installed in December 2018. The approved Substantial Completion and Final Completion dates are May 10, 2019 and June 9, 2019, respectively. Delays to construction are due to unforeseen conditions during excavation of the Embarcadero sidewalk, which required the relocation of two conduits. Additional delay due rain that prevented the placement of the concrete sidewalk, as scheduled. Contractor placed new PG&E transformer vault on March 29, 2019 and placed concrete sidewalk on April 3, 2019.

Comprehensive Projects:

Fire Station 3 & 7

FS 3 was determined to be a potential collapse hazard in the event of a major earthquake based on the structural assessment received from the Public Works IDC-Structural study. SFFD directed the Comprehensive design work to stop, and will consider plans for a new FS 3 in its overall seismic portfolio of future bonds. FS 7 is on hold, since a complete rebuild is being considered as part of the ESER 2020 bond program.

Focused Scope Projects:

The NFS team has moved forward with planning, design, bidding and construction of the Focused Scope projects in all 9 of the categories: apparatus bay doors, roof replacements, shower renovation, exterior envelope, windows, sidewalk, emergency generator, and mechanical projects. ESER 2014 Focused Scope projects upgrade 35 Fire Stations in these categories.

Design services are being provided by Public Works BDC Architecture, IDC Mechanical and IDC Structural for Roofing, Envelope, App Bay Door Replacement, Showers, Windows, and Sidewalk categories of Focused Scope. GHD, an as-needed electrical engineering consultant, is providing design services for Generator Replacement projects.

Apparatus Bay Doors (37 Fire Stations):

Design has been completed by Public Works BDC Architecture for the Apparatus Bay Door Replacement projects at all remaining fire stations. Work will be divided between ESER 2010 and ESER 2014, within parameters of allocated budgets under each bond.

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- Package 1 (FS 15; including Ancillary Work)
This project is complete.
- Package 2 Ancillary (not used)
Ancillary work is now tracked under “Package 4”.
- Package 3 App Bay Door Replacement (Apparatus Bay Doors at FS 2, 11, 13, 19, 24, 31, 34, 40, 41):
This project is complete.
- Emergency Declaration - Fire Station 3
This project is complete.
- Package 4 Ancillary Work for new 4-Fold Doors (FS 6, 9, 10, 11, 12, 14, 17, 20, 21, 22, 23, 26, 32, 37, 38, 42, 44):
This project is complete.
- Package 5 (previously “package 4 TBD”)
The scope is to replace and install existing app bay doors with new overhead doors at multiple Fire Stations. Public Works awarded a Master Job Order Contract to Byron Epp Inc on April 16, 2019 and the contract was executed on May 31, 2019. Scoping and pricing is underway for (5) JOC Task Orders to replace app bay doors at 16 Fire Stations (FS 6, 7, 9, 10, 11, 21, 22, 38, 12, 25, 37, 42, 17, 23, 32 & 44).

Roofs (10 Fire Stations):

All projects in the Focused Scope Roofing category have been completed.

- Package 1 (FS 3 - Roof/HVAC/Generator Replacement):
This project is complete.
- Package 2 (FS 40 - Roof Replacement In-kind):
This project is complete.
- Package 3 (FS 3 & 17 Roof Replacement):
This project is complete.
- Package 4 (Not Used):
Package not used.
- Roof Package 5, 6 & 7 were merged into a single bid package (Pkg. 5) (Fire Stations 9, 20, 23, 24, 29, and 43).
Roof Package 5 is complete.

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Showers (7 Fire Stations):

- Package 1 (FS 13, 20, 22 & 34):
This project is complete.
- Package 2 (FS 17, 19 & 33)
The scope is to renovate the existing showers at 3 stations. This project was bid on October 23, 2018, and a NOA was issued to Kushner General on 12.7.18. Construction is 90% complete, and Substantial Completion is anticipated on July 30, 2019.

Window Repairs (15 Fire Stations):

BBR was selected to perform all the work, per SFFD direction, for all window repair projects.

- Package 1 (FS 9, 19, 24, & 29):
Package 1 is complete.
- Package 2 (Not Used):
Package not used.
- Package 3 (FS 25):
Package 3 is complete.
- Package 4 (FS 8, 20 & 21):
Package 4 is complete.
- Package 5 (FS 14, 33, 37 & 43):
FS 14, 37, 41 and 43 are completed, and FS 33 sliding door project has been cancelled due to obsolescence of repair parts. FS 33 will be considered for replacement in a future bond.
- Package 6 (FS 11, 12 & 23):
Package 6 is complete.

Exterior Envelope (8 Fire Stations):

- Package 1 (FS 8, 20, 23 & 29):
The scope includes power wash and new paint to exterior facade of the stations. BBR was selected to perform the work per SFFD direction. In November 2018, BBR completed work at FS 20. In July 2019, BBR commenced with work at FS 8 & 29. BBR has refused work at FS 23 in this package. A JOC will be procured for work at FS 23 in spring/summer 2020.
- Package 2 (FS 24 & 34):
This project is on hold until late 2019.
- Package 3 (FS 11):

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The scope of work includes repair deficiencies at the exterior envelope, power wash all surfaces, and prepare substrates required to receive new paint at the exterior façade. This project will be folded into the Seismic Hose Tower Removal project, a project that is anticipated to bid in mid – 2020.

- Package 4 (FS 22):
This project is complete.



Mechanical (TBD)

- Package 1 (8, 9, 14, 20 & 41):
Per discussion with BBR, BBR team may be able to diagnose and improve the rooftop mechanical units at various stations. Previous PM met with BBR on 9/23/16 to discuss work logistics and plan. Mechanical scope of work at each station will be confirmed during site walks with BBR in 2019, and priorities will be assigned in discussions with SFFD.

Emergency Generators:

- Package 1 (FS 31):
The original project included replacement of the generator at FS 31, and minor improvements at FS 14, 24 and 37. At SFFD's request, the repairs at FS 14, 24, and 37 have been cancelled as part of this project. Instead, the SFFD requested full replacement of generators at FS 14, 24, and 37.
Package 1 scope of work is to replace the existing emergency generator at FS 31 with a new generator and fuel tank to meet SFFD's 72 hour emergency run time protocol. On June 13, 2019, Public Works awarded a contract for \$219,331 to BBJ Electric, an as-needed electrical contractor. On July 16, 2019, a pre-construction meeting was held. NTP is anticipated to be issued in early August 2019.
- Additional Generator Replacement at FS 2
The scope of work consists of replacement of an existing roof top generator with a new generator, structurally strengthen the roof to support the new fuel tank with capacity for 72 hour run time, and provide new fuel fill port and piping to the generator. On 2.14.19, BDC

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submitted plans to DBI to procure a permit, and all reviews at DBI are complete. A permit is anticipated by end of July 2019.

- Additional Generator Replacement at FS19
The scope of work will consist of replacement of an existing generator with a new generator and fuel tank to meet SFFD's 72-hour emergency run time protocol. In addition, GHD has recommended the replacement of infrastructure components including existing electrical switchgear, transfer switch, distribution panel board, and new feeders. Planning issued a CEQA Categorical Exemption, and on 3.18.19, BDC submitted plans to DBI to procure a permit.

Sidewalks/Slabs

All projects in the Focused Scope Sidewalk category have been completed.

- Package 1 (FS 13):
Project is closed out.
- Package 2 (FS 31):
Project is closed out.
- Package 3 (FS 26):
Project is closed out.
- Package 4 (FS 20)
This project was eliminated at SFFD's request.

Access Control Systems (35 Fire Stations):

- The scope is to ensure the safety and security of personnel, apparatus and equipment at all fire stations by providing electronic access control systems via card key at exterior person-doors at all fire stations, including replacement of door hardware and electronic equipment as needed. Thirty-three Fire Stations have received new electronic access control systems, and 11 Fire Stations are remaining. A Job Order Contract (JOC) bid was submitted in March 2019 and negotiated by Project Management. The JOC Work Order to perform this work is expected to be issued in Mid - 2019.

Bureau of Equipment and Emergency Medical Services

SFFD requested Public Works to prepare a program analysis and cost estimate for the Bureau of Equipment (BOE) and the Emergency Medical Services (EMS) for consideration as a project or projects to be funded by ESER 2014.

The two projects were found to be infeasible to deliver within ESER 2014.

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The EMS Facility project was deferred to Public Health and Safety Bond which was approved by 79 percent of the voters in June 2016 under the new project name of Ambulance Deployment Facility (ADF). Public Works completed program analysis and conducted test fits for the EMS Facility at four locations. The optimal site was found to be a consolidation of two properties owned by the City, the equipment yard located behind Fire Station No. 9, at 2245 Jerrold Ave., combined with an adjacent vacant railroad right-of-way that extends from Jerrold Avenue to McKinnon Avenue. The budget for the EMS Facility is \$44M, for a project scheduled to be completed in 2020.

Public Works conducted test fits of the BOE Facility at two locations. The optimal scenario was found to be renovation of the existing SFFD EMS facility at 1415 Evans, which would become available after EMS is relocated. Therefore, further work on the BOE Facility project is deferred to a subsequent bond program to be determined.

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Emergency Firefighting Water System

Component Description: The Earthquake Safety and Emergency Response Bonds will seismically improve the Emergency Firefighting Water System cisterns, pipelines, tunnels, and physical plant.

Background: The Emergency Firefighting Water System is vital for protecting against the loss of life, homes, and businesses from fire following an earthquake. It is also used for the suppression of non-earthquake multiple-alarm fires.

Status:

Planning and Design

1. Lake Merced Pipeline – Install new 20” AWSS pipe from Lake Merced Pump Station to Vidal Drive / Higuera Avenue intersection. Design completion 12/2019.
2. Westside Potable EFWS Pipeline – Install new Potable Emergency Firefighting Water System pipeline in Richmond and Sunset areas. Planning completion 9/2019.

Construction

3. 19th Avenue Pipeline – Install new 20” Auxiliary Water Supply System (AWSS) pipe on 19th Avenue from Irving Street to Kirkham Street as part of Public Works’ 19th Avenue Roadway Improvements, Contract 2652J. Bid advertisement 2/2020.
4. Terry Francois Blvd/Mission Rock/South Street Pipeline – Install new 20” AWSS pipe on Terry Francois Blvd from Mission Rock Street to South Street as part of SFPUC contract DB-129.1. Bid advertisement 8/2019.
5. Ashbury Bypass Pipeline – Install new 20” AWSS pipe near Ashbury Heights Tank as part of Public Works’ Clayton St, Clipper St, and Portola Dr. Pavement Renovation, Sewer Replacement and Water Installation, Contract 2500J. AWSS construction completion 9/2019.
6. Clarendon Supply – Provide a new AWSS water supply and pipe near the crest of Clarendon Avenue at Dellbrook Avenue. Bid advertisement 8/2019.
7. Mariposa/Terry Francois Boulevard AWSS Pipeline – Install new 12” and 20” AWSS pipe on Mariposa and Terry Francois Boulevard as part of SFPUC contract DB-128R2. Construction completion 8/2019.
8. Pumping Station 2 – Improve the building structure’s seismic performance. Construction completion 7/2020.
9. Street Valve Motorization – Motorize street valves on AWSS pipelines for improved water flow control. Construction completion 12/2019.

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Office of the Chief Medical Examiner (OCME)



Project Description: The project will relocate the Office of the Chief Medical Examiner (OCME) to One Newhall Street in the India Basin Industrial Park. The new facility will house about 50 employees who are organized into the four units of the OCME: Field Investigations, Medical/Autopsy, Laboratory, and Administration.

One Newhall Street was an existing 28,000 gsf industrial warehouse which was almost entirely demolished and a second floor was added within the existing footprint of the building resulting in a seismically safe 46,000 gsf facility.

Background: The existing OCME is located at 850 Bryant also known as the Hall of Justice (HOJ). The HOJ is over 50 years old and seismically deficient. In the event of a major earthquake, this building is not expected to be operational. This project is part of a larger strategy to replace the Hall of Justice established in the City's 10-Year Capital Plan as the Justice Facilities Improvement Program (JFIP).

The OCME is accredited by the National Association of Medical Examiners (NAME). During the previous accreditation in 2008, the City was advised that the existing facility is undersized, has a number of deficiencies that are currently mitigated by operational protocols, and the facility should be replaced to assure continued accreditation.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Project Status:

LEED Gold is the mandatory goal for this project (minimum 60 points required to be awarded the Gold certification). Project was registered with USGBC on April 9, 2014. Updated LEED scorecard lists 64 points under “yes” and 4 points are under “maybe” category.

Project is complete and the facility is occupied. Project Budget: Project Cost, inclusive of all change orders to date, tracked to within the Total Project Budget of \$75M (GO Bonds and general funds).

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

Traffic Company & Forensic Services Division (ESER 2014)



Aerial Photo of 1995 Evans Avenue Post-Demolition (2018)

Project Description: The project will relocate the SFPD Forensic Services Division (FSD) and SFPD Traffic Company (TC) to a site located at 1995 Evans Avenue, San Francisco. The amount of space requested for the Traffic Company was determined based on the Police Facilities Master Planning Study dated August 23, 2012.

The project is being developed to support a Full Time Employee (FTE) forecast for 2020 FSD demand of approximately 109 for FSD, approximately 100 for the Traffic Company and approximately 9 for the Real Estate Division’s building engineering and custodial services. The size of the facility is approximately 100,000 gross square feet and allows for a potential future expansion if required.

Project Background: The SFPD Traffic Company is currently located at the Hall of Justice (HOJ) at 850 Bryant Street. The SFPD FSD is currently located in two facilities. The FSD Administration, Crime Scene Investigations, and Identification units are housed at the HOJ. The FSD Crime Lab is housed in Building 606 at the Hunters Point Shipyard.

The HOJ is over 50 years old and seismically deficient. In the event of a major earthquake, this building is not expected to be operational. This project is part of a larger strategy to replace the

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

Hall of Justice, established in the City's 10-Year Capital Plan as the Justice Facilities Improvement Program (JFIP).

The Hunters Point Shipyard is being transferred from the U.S. Navy to the City. The City plans to develop the Shipyard as a residential area. The area in which Building 606 is located is planned to be public open space as an amenity for nearby residences. Prior to the transfer of the property, the Navy is obligated to remove and mitigate hazardous materials in the soil.

Project Status: DBI issued the Demolition Permit on May 8, 2018. Additional existing below grade foundation remains were discovered in July, August and September delaying completion of demolition until the fourth quarter of 2018. The Site Permit application was submitted to DBI on December 21, 2017 and was issued on December 5, 2018, inclusive of the various approvals required from Planning, DBI, SFFD, DPH and BSM. A five-month review duration was anticipated to obtain the Site Permit, which took nearly 12 months, resulting in further delay to subcontractor procurement and construction activities. Attempts to mitigate these delays include a commitment from DBI to assist in expediting the permit addendum schedule. Some success has been realized, with the deep foundation addendum S1 submitted to DBI on December 14, 2018 and issued by DBI on April 3, 2019. The foundation and superstructure addendum S2 was submitted to DBI on March 7, 2019 and is expected to be issued by July 2019.

Clark Construction was selected to be the Construction Manager/General Contractor (CM/GC) through a competitive solicitation in July 2017. Clark leads a team of "Core Trade Subcontractors," specifically: C/S Erectors for the exterior building envelope, Southland Industries for mechanical and plumbing, and Rosendin Electric for electrical. Their Pre-construction initial estimate in January 2018 reported a nearly \$30M over budget amount. Cost reduction efforts were presented to the Capital Planning Committee (CPC) on April 30, 2018. The presentation described that after two separate value-engineering (cost reduction) efforts yielding reductions of \$12.35M + \$14.3M without diminishing adversely the integrity of the program, and inclusive of additional bond generated funding of \$8.7M made available to the TCFSD, the \$6.65M budget deficit remained. When factoring appropriate contingency to this \$6.65 million budget deficit, it has produced an \$8.65 million deficit in funding. The resulting outcome of the CPC meeting, Capital Planning staff directed the ESER Program Manager to suspend four (4) ESER 2014 projects – 2 police and 2 fire – to approximate the \$8.645M. These projects will remain suspended until such time as the trade bid packages are largely bought-out and the true TCFSD budget deficit understood.

The Executive architect issued 50% Construction Documents on May 20, 2019. As of June 2019, approximately 54% of the estimated cost of work has been bid and procured, including the MEP and exterior enclosure scopes represented by the design-build Core Trade Subcontractors.

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

Construction is expected to start in summer of 2019 with pile driving activities. Substantial completion is scheduled for summer 2021 and Final Completion for fall 2021.

The project is obligated to achieve LEED Gold certification.

Schedule:

- | | |
|--|-----------------------|
| • Pre-Construction Services NTP | November 27, 2017 |
| • Pre-Construction Services Full Team Kick-off Meeting | November 30, 2017 |
| • Indicator Pile Program construction Services NTP | August 12, 2019 |
| • New building construction Services NTP | September 9 2019 |
| • Substantial Completion | August/September 2021 |
| • Final Completion | Fall 2021 |

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Police Facilities (ESER 2014)

Component Description: The project includes various focused scope projects at 12 police facilities (9 district stations and 3 support facilities) across the City. The work scopes are derived from a series of onsite investigations, observations, and professional evaluations of different building systems that include mechanical, electrical, plumbing, fire protection, and structural safety. It also includes assessments of building envelope (i.e. integrity of roof, doors, windows, and walls), ADA accessibility requirements, as well as other site improvements that ensure safety and security.

The project's overall budget is \$30M, the cost to address all building issues will likely exceed the budget, and therefore priorities are selected per recommendations by the Citywide Capital Plan. Those building deficiencies that potentially compromise the public's health and safety, and others that pertain to code compliance will get the first priority.

ADA PACKAGE 1

The project addresses accessibility issues at the following stations: Central, Mission, Bayview, Northern, and Tenderloin. Project is completed, there are no updates.

ADA PACKAGE 2

The project addresses accessibility issues at the following stations: Park, Ingleside, Taraval, Richmond, and Police Academy. Project is completed, there are no updates.

NEW FIREARMS SIMULATOR TRAINING FACILITY at Lake Merced

This project is completed, there are no updates.

NORTHERN, RICHMOND, TARAVAL POLICE STATION RENOVATION PROJECT

NORTHERN POLICE STATION

All work is completed at this site.

TARAVAL POLICE STATION

All work is completed at this site.

RICHMOND POLICE STATION

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)



New roof-top supply fan.

1. New roof-top supply fan for new generator and fuel tank was installed.
2. New generator and fuel tank was signed-off by the Fire Marshal.
3. Adding bollards to protect fuel system's vent pipes to meet code for vehicle impact protection.

PARK and INGLESIDE POLICE STATION RENOVATION

PARK STATION

1. New generator has been installed and switchover conducted on 7/3/2019.
2. Structural scope, formwork, and rebar were completed.
3. New footings and shotcrete wall have been poured.
4. Blocking and plywood installation on the West Side of the Storage Room 253.

INGLESIDE STATION



New generator and belly tank.



Rafter tail replacement.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

1. Rafter tail replacement is 95% completed.
2. New generator has been installed.
3. Duct cleaning is completed.
4. Craned AHU #3 unit at low roof.
5. Paining is in progress.

MEP PACKAGE 2 (BAYVIEW, TENDERLOIN)

TENDERLOIN STATION

1. New automatic transfer switch installed.
2. Emergency generator vent pipe install in progress.
3. Generator feeder conduit installation in progress.
4. Supply Fan 3 ductwork installation began.

BAYVIEW STATION

1. Duct cleaning is completed.
2. New exhaust fans (total 7) have been installed; new VAV boxes (total 5) have been installed; new AC unit installed in Telecom Rm.
3. Corrective work at the CH-1 of the metal supports in progress.
4. All new “no smoking” signage is installed.

POLICE ACADEMY RENOVATION

This project is still on-hold until May/June 2019 per CPC.

MISSION POLICE STATION RENOVATION

This project is still on-hold until May/June 2019 per CPC.

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

Budget, Funding and Expenditures

ESER 2010

The budget for the ESER 2010 Bond Program is \$412,300,000. The revised budget is \$415,372,929 which includes interest-earned. The following is a summary of the budget and appropriation per component:

Bond Components and Projects	Bond Authorized Amount	Revised Budget (ii)	Appropriations	Expenditures	Encumbrances	Balances	Expenditures/ Appropriations
Public Safety Building (PSB) (iii)	239,000,000	236,661,975	236,661,975	228,861,444	0	7,800,531	97%
Neighborhood Fire Stations (NFS)	64,000,000	66,906,313	66,906,313	64,669,710	661,273	1,575,329	97%
Auxiliary Water Supply System (AWSS)	102,400,000	102,400,001	102,400,001	86,546,077	11,504,576	4,349,348	85%
Oversight, Accountability & Cost of Issuance	6,900,000	2,545,864	2,545,864	2,022,299	0	523,564	79%
Public Works Program Reserve		2,443,743	2,443,743			2,443,743	0%
Appropriated Unallocated Interest		4,415,033	4,415,033			4,415,033	0%
TOTAL (i)	412,300,000	415,372,929	415,372,929	382,099,530	12,165,849	21,107,549	92%

(i) PeopleSoft financial data thru Q4 FY2019

(ii) Revised budgets based on PeopleSoft appropriations; data subject to change per clean-up efforts

(iii) Estimated savings included in project balance; project financial close out in process

The Accountability reports for the second thru sixth bond sales are available on the ESER website at <http://www.sfearthquakesafety.org/eser-reports.html>.

Expenditures and Encumbrances

The ESER 2010 expenditures and encumbrances are \$382,099,530 and \$12,165,849 respectively. Expenditures represent 92% of the total appropriations.

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

ESER 2014

The ESER 2014 budget is \$400,000,000 and the total appropriation is \$397,988,157, including a savings from the cost of issuance currently allocated within program components. The following is a summary of the budget and appropriation per component:

Bond Components and Projects	Bond Authorized Amount	Revised Budget (ii)	Appropriations	Expenditures	Encumbrances	Balances	Expenditures/ Appropriations
Office of the Chief Medical Examiner (OCME)	63,895,000	67,533,024	67,533,024	67,360,642	407,879	235,498	100%
Traffic Company & Forensic Services Division (TC/FSD)	162,195,000	163,375,150	163,375,150	34,777,914	6,989,096	121,608,140	21%
Police Facilities (PF)	29,490,000	29,645,661	29,645,661	20,443,902	3,330,620	5,871,139	69%
Neighborhood Fire Station (NFS)	83,555,000	80,351,381	80,351,381	26,018,021	23,502,862	30,830,498	32%
Emergency Firefighting Water System (EFWS)	54,065,000	54,347,209	54,347,209	22,691,543	7,835,177	23,820,489	42%
Oversight, Accountability & Cost of Issuance	6,800,000	2,284,545	2,284,545	60,194	0	2,224,351	3%
Public Works Program Reserve		451,187	451,187			451,187	0%
TOTAL (i)	400,000,000	397,988,157	397,988,157	171,352,215	42,065,635	184,570,307	43%

(i) PeopleSoft financial data thru Q4 FY2019

(ii) Revised budgets based on PeopleSoft appropriations; data subject to change per clean-up efforts

The Accountability reports for the second and third bond sales are available on the ESER website at <http://www.sfearthquakesafety.org/eser-reports.html>.


Expenditures and Encumbrances

The ESER 2014 expenditures and encumbrances are \$171,352,215 and \$42,065,635 respectively. The expenditures represent 43% of the total appropriations.

Earthquake Safety and Emergency Response Bond Program
(ESER 2010 & 2014)

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

Attachment 1 – Contact Information

					
San Francisco Public Works City and County of San Francisco Building Design and Construction Project Management 30 Van Ness Avenue, Suite 4100 San Francisco, CA 94102 (415) 557-4700 sfpublicworks.org					
Contact	Title	Component	Telephone No.	Cell No.	E-mail
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Magdalena Ryor	Project Manager	ESER 2010 NFS; ESER 2014 OCME & NFS	(415) 557-4659	(415) 602-0930	magdalena.ryor@sfdpw.org
Michael Rossetto	Project Manager	ESER 2014 TC/FSD	(415) 557-4773	(415) 530-7368	michael.rossetto@sfdpw.org
Lisa Zhuo	Project Manager	ESER 2014 PF	(415) 557-4699		lisa.zhuo@sfdpw.org
Sherry Katz	Project Manager	ESER 2010 & 2014 NFS Focused Scope	(415) 557-4718		sherry.katz@sfdpw.org
Sean O'Brien	Project Mgr. Asst.	ESER 2010 & 2014 NFS	(415) 557-4694		sean.obrien@sfdpw.org
Kelly Griffin	Financial Analyst	ESER 2010 & 2014	(415) 557-4667		kelly.griffin@sfdpw.org
Public Utilities Commission					
525 Golden Gate Avenue, 9th Floor San Francisco, CA 94102					
Contact	Title	Component	Telephone No.	Cell No.	E-mail
David Myerson	Project Manager	ESER 2010 AWSS & ESER 2014 EFWS	(415) 934-5710		dmyerson@sflower.org



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 Building Design and Construction | Project Management
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Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

**EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM
Timeline and Schedule**

Description	BUDGET	Schedule		FY 10/11		FY 11/12				FY 12/13				FY 13/14				FY 14/15				FY 15/16				FY 16/17				FY 17/18				FY 18/19				FY 19/20				FY 20/21									
		Start	Completion	1st Qtr.		2nd Qtr.		3rd Qtr.		4th Qtr.		1st Qtr.		2nd Qtr.		3rd Qtr.		4th Qtr.		1st Qtr.		2nd Qtr.		3rd Qtr.		4th Qtr.		1st Qtr.		2nd Qtr.		3rd Qtr.		4th Qtr.		1st Qtr.		2nd Qtr.		3rd Qtr.		4th Qtr.		1st Qtr.		2nd Qtr.		3rd Qtr.		4th Qtr.	
				9/30/10	12/31/10	3/31/11	6/30/11	9/30/11	12/31/11	3/31/12	6/30/12	9/30/12	12/31/12	3/31/13	6/30/13	9/30/13	12/31/13	3/31/14	6/30/14	9/30/14	12/31/14	3/31/15	6/30/15	9/30/15	12/31/15	3/31/16	6/30/16	9/30/16	12/31/16	3/31/17	6/30/17	9/30/17	12/31/17	3/31/18	6/30/18	9/30/18	12/31/18	3/31/19	6/30/19	9/30/19	12/31/19	3/31/20	6/30/20	9/30/20	12/31/20	3/31/21	6/30/21				
EMERGENCY FIREFIGHTING WATER SYSTEM (EFWS)				PRE-BOND PLANNING AND DEVELOPMENT																																															
EFWS (EARTHQUAKE SAFETY EMERGENCY RESPONSE 2010)																																																			
June 2015	102,400,000	07/01/09	09/26/18	102,400,000																																															
Baseline	102,400,000	07/01/09	12/31/20	102,400,000																																															
Current Projection	102,400,000	07/01/09	12/31/20	102,400,000																																															
EFWS (EARTHQUAKE SAFETY EMERGENCY RESPONSE 2014)																																																			
June 2015	54,065,000	11/06/14	12/31/20	54,065,000																																															
Baseline	54,347,209	11/06/14	12/31/20	54,347,209																																															
Current Projection	54,347,209	11/06/14	12/31/20	54,347,209																																															
EMERGENCY FIREFIGHTING WATER SYSTEM (EFWS) SUB-TOTAL																																																			
June 2015	156,465,000																																																		
Baseline	156,747,209																																																		
Current Projection	156,747,209																																																		