



Earthquake Safety and Emergency Response Bond Program 2010 & 2014

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Quarterly Status Report

July through September 2020



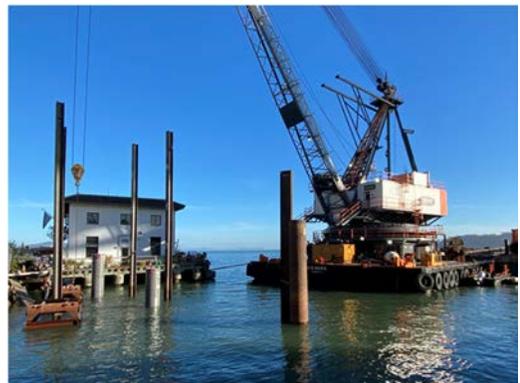
TCFSD – View of North and West Elevations



Pumping Station 2 – Concrete Slab Pour



Fireboat Station 35 – Exterior Envelope



Fireboat Station 35 – Pile Driving at Pier 22½

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 5* achieved final completion. *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. The Executive Architect's final payment is pending LEED Gold certification which is under review by the U.S. Green Building Committee (USGBC).

At the Capital Planning Committee meeting of April 30, 2018, 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 needed to align with the modified *Traffic Company & Forensic Services Division* project scope. These projects will remain suspended until the trade bid packages are largely bought-out and the true TCFSD budget deficit understood. The COVID-19 pandemic has delayed several of the final bids, such as site related scopes. It has also introduced cost impacts, including those associated with mandatory conformance with the San Francisco Health Officer's Orders and Directives.

Under *Neighborhood Fire Stations* component, *Fireboat Station 35* progressed the work at the exterior envelope and interior walls and began installation of piles at Pier 22½; the *Focused Scope* category projects are proceeding apace, adhering to stipulated schedules and budgets.

Under *Police Facilities* component, the *Northern, Taraval, and Richmond Station Renovation Project* obtained Substantial Completion on May 5, 2020; the *Park and Ingleside Station Project* is anticipated to achieve Final Completion in November 2020; the *Bayview and Tenderloin Station Project* is anticipated to achieve Final Completion in December 2020.

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 on the Pumping Station 2 (WD-2687) contract. Contract for Clarendon Supply Pipeline (WD-2861) was awarded in September 2020. Contract for 19th Ave Pipeline (2652J)

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was awarded in May 2020. Terry Francois Boulevard/Mission Rock/Warriors Way Pipeline (DB-129.1) construction completion is expected in Fall 2020 subject to COVID-19 restrictions.

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 – and includes the relocation of Southern District Station and a new Mission Bay Fire Station #4. Included in the project is the reuse of Fire Station #30, which will serve as the Arson Task Force HQ and provide a community meeting room at the ground level. 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.

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

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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 deploys officers 24/7 to the Southern District, who are the first responders to public calls for service, as well they provide support to other first responders including the Fire Department, Medical Examiner, 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 43 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. It is assumed that some may not be operational after a large earthquake or other disasters, hindering the ability of the firefighters to respond to calls for service. Seismic capacity study of key fire stations –10 of 43- has yielded necessary insight into their ability to sustain operational effectiveness. Additional stations will be examined as funding is provided.

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 maintenance generated 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 43 neighborhood fire stations. The approved slate of projects was presented to the SF Fire Commission on April 26, 2012.

In addition, Public Works certified two Master Job Order Contracts (JOC) with specialty door contractors, National Garage Door and Byron Epp, for the remaining Apparatus Bay Door Replacements. ESER 2010 will fund the replacement of apparatus bay doors at ten stations. Scoping and pricing for the work is underway with material procurement anticipated to begin in Fall 2019.

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The following is a detailed status per project:

Seismic Projects



Fire Station No. 16 (Marina District)

Substantial completion was achieved on January 10, 2019. As a result of the overall delay of the project, Public Works has assessed 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 and a ribbon cutting ceremony was held on January 31, 2019. Final completion was achieved on July 18, 2019.

Fire Station No. 5 (Fillmore District)

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 was achieved on February 19, 2020. Final payment was issued to the contractor in April 2020. Public Works is in the process of closing out the project's financials.



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 occurred 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.

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 total 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.

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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

Roof Replacements – 15 Stations – Complete

Summary: The scope consists of installing new roofing systems and upgrading exhaust fans at fifteen (15) stations (FS 2, 6, 10, 13, 15, 17, 18, 26, 28, 31, 32, 38, 40, 41, and 42).

Exterior Envelope Improvements – 16 Stations – Complete

Summary: The scope consists of paint and ancillary work to prevent water intrusion at sixteen (16) stations (FS 2, 6, 10, 13, 15, 17, 18, 26, 28, 31, 32, 38, 40, 41, 42, and 49).

Emergency Generator Replacement – 5 Stations – Complete

Summary: The scope consists of installing new emergency generators and related ancillary scopes of work at five (5) stations (FS 6, 12, 15, 17, and 21).

Shower Reconstruction – 9 Stations – Complete

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 (FS 6, 13, 15, 17, 18, 26, 38, 40, and 41). Stations 17 and 18 were put on hold by SFFD due to scope complexity.

Mechanical Scope – 15 Stations – Complete

Summary: The scope is structured into two phases: Phase 1 – Investigation and Scope Validation, and Phase 2 – Execution of Work. Work was completed at fifteen (15) stations (FS 2, 6, 10, 13, 15, 17, 18, 26, 28, 31, 32, 38, 40, 41, and 42).

Window Repair – 12 stations – Complete

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 (FS 2, 6, 17, 25, 26, 28, 31, 32, 38, 40, 41, and 42).

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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:

- **Emergency Generator Replacement – 1 Station (FS 14)**
Plans were submitted to DBI for building permit on October 2, 2019; electrical station approved plans on September 14, 2020; issuance pending approval by fire and street-use stations. After issuance of building permit, contractor procurement will be on hold pending confirmation of available funding.
- **Apparatus Bay Door Replacement – 10 Stations – Complete**
Contractor completed installation and punchlist work at all 10 fire stations (FS 8, 12, 14, 18, 20, 26, 28, 33, 39, and 43). Final payment to contractor and closeout of contract is in progress.
- **Exterior Envelope Improvements – SFFD Headquarters – Complete**

Project Budget:

Refer to the [Budget, Funding and Expenditures – ESER 2010](#).

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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: 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 Bureaus of Architecture & Engineering, unless otherwise noted.

The following is a detailed status per project:

Seismic Projects:

Fireboat Station 35 at Pier 22½

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



Metal Panels at North Elevation



Pile Driving at Pier 22½

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 – November 2020

BUILDING

- Design Phase: October 2017 – July 2019
- PORT Permits: March 2019 – November 2019
- Construction Phase*: January 2020 – February 2021

*Construction of building superstructure on top of float at Pier 1 on Treasure Island and pile driving activities (guide piles for float and piles for public access platform) at Pier 22½.

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Pier 26 Fireboat Berths

Design services: COWI North America

Contractor: Vortex Marine Construction

Percentage complete (as of 9/18/2020): 100%

Remaining electrical was completed in June 2020. Substantial completion to be issued by October 30, 2020.

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 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 Bureaus of Architecture and Engineering for Roofing, Exterior Envelope, Apparatus Bay Door, Showers, Windows, and Sidewalk categories of work. GHD, an as-needed electrical engineering consultant, is providing design services for Generator Replacement projects.

Apparatus Bay Doors – 34 Stations

Work at the 34 fire stations will be divided between ESER 2010 and ESER 2014, within parameters of allocated budgets under each bond. Packages 1 through 4 were completed in 2016-2018.

- Package 5 (15 Stations): The scope is to replace existing app bay doors with new telescoping and coiling overhead doors at 15 Fire Stations (FS 6, 7, 9, 10, 11, 21, 22, 38, 25, 37, 42, 17, 23, 32, and 44). 100% of installation is complete by JOC Byron Epp, and completion of punch list work is underway.

Roof Replacements – 9 Stations – Complete

Work was completed at nine (9) stations (FS 3, 9, 17, 20, 23, 24, 29, 40, and 43).

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Shower Reconstruction – 7 Stations – Complete

Work was completed at seven (7) stations (FS 13, 17, 19, 20, 22, 33, and 34).

Window Repairs – 13 Stations – Complete

Work was completed at thirteen (13) stations (FS 8, 9, 11, 12, 14, 19, 20, 21, 23, 25, 29, 37, 43).

Exterior Envelope Improvements – 8 Stations

- Package 1 (FS 8, 20, 23 & 29): Scope includes power wash and new paint at exterior facade of stations. BBR was selected to perform the work. Work was completed at FS 8, 20, and 29 in 2018-2019. Work at FS 29 was completed in June 2020. Public Works will procure a contractor through a Job Order Contract (JOC) for work at FS 23 in 2021.
- Package 2 (FS 24 & 34): On hold until late 2020.
- Package 3 (FS 11): 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. This project will be folded into the Hose Tower Removal project, which is funded by the 2016 Public Health and Safety Bond. Public Works issued Notice to Proceed (NTP) to the general contractor on July 1, 2020. Work anticipated to be completed in FY20-21 Q4.
- Package 4 (FS 22) is complete.

Mechanical Scope (TBD)

- Package 1 (8, 9, 14, 20, and 41): This project has been canceled.

Emergency Generator Replacement:

- Station 31: Scope of work is to replace the existing emergency generator with a new generator and fuel tank to meet SFFD's 72-hour emergency run time protocol. Work is complete and the project is in financial closeout.

- Station 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 November 20, 2019, this project was informally bid to a pool of As-Needed contractors. The bid results exceeded the \$600k limit allowed under informal bid procurement. A formal advertisement will be advertised in fall 2020, with construction anticipated to start in early 2021.



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- Station 19: 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, the electrical engineer has recommended the replacement of infrastructure components including existing electrical switchgear, transfer switch, distribution panel board, and new feeders. Contractor procurement is on hold pending confirmation of available funding.

Sidewalk and Apparatus Bay Slabs – 3 Stations – Complete

Work was completed at three (3) stations (FS 13, 26, and 31).

Security Access Control Systems – 35 Stations – Complete

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.

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 12/2020.
2. Westside Potable EFWS Pipeline – Install new Potable Emergency Firefighting Water System pipeline in Richmond and Sunset areas. Planning completion 12/2020.

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, which was awarded in May 2020. Notice to Proceed anticipated to be issued to contractor in October 2020.
4. Terry Francois Blvd/Mission Rock/Warriors Way Pipeline – Install new 20” AWSS pipe on Terry Francois Blvd from Mission Rock Street to Warriors Way as part of SFPUC contract DB-129.1. Installation planned Fall 2020 subject to COVID-19 restrictions.
5. Clarendon Supply – Provide a new AWSS water supply and pipe near the crest of Clarendon Avenue at Dellbrook Avenue. Contract awarded in September 2020.
6. Pumping Station 2 – Improve the building structure’s seismic performance. Construction completion 12/2020.
7. Street Valve Motorization – Motorize street valves on AWSS pipelines for improved water flow control. Construction completion 12/2020.

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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

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multiple deficiencies that are currently mitigated by operational protocols, and the facility should be replaced to assure continued accreditation.

Project Status:

LEED Gold is the mandatory goal for this project (minimum 60 points required to be awarded for the Gold certification). Project was registered with USGBC on April 9, 2014. Out of submitted 64 points, USGBC awarded 52 points to the project; 8 points have been submitted for review. Awaiting USGBC decision. Award of one point, pertaining to Indoor Environmental Quality Credit 1 (IEQc1) – Outdoor Air Delivery Monitoring, is pending installation of nine (9) CO2 sensors at the facility. Work is scheduled to be performed in November 2020.

Project is complete and the facility is occupied.

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

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Traffic Company & Forensic Services Division (ESER 2014)



Aerial Photo of 1995 Evans Avenue (October 12, 2020)

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

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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 on April 3, 2019. The foundation and superstructure addendum S2 were submitted to DBI on March 7, 2019 and issued on July 23, 2019. The 95% Construction Documents milestone was reached on August 26, 2019. From this several permit addenda were submitted to DBI on August 27, 2019. These addenda were S3: Building & MEP, S4: Fire Sprinkler and S5: Fire Alarm. Addendum S6: Emergency Responder Radio Communication System was submitted on September 24, 2019. The 100% Construction Documents milestone was reached in January 2020. Permit S3, S4 & S5 continue review with DBI & SFFD.

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. Despite the design team's value-engineering efforts yielding a cost reduction of \$12.35M, Clark Construction's pre-construction initial estimate in January 2018 reported a nearly \$30M over budget. Cost reduction efforts were presented to the Capital Planning Committee (CPC) on April 30, 2018. The presentation described that after a second value-engineering effort yielded reductions of \$14.3M without adversely diminishing the integrity of the program. After an additional ESER bond generated funding of \$8.7M was made available to the TCFSD (approximately \$1.18M COI savings and \$2.3M PSB savings have been received to date), a \$6.65M budget deficit remained. When factoring appropriate contingency to this \$6.65 million budget deficit, it 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

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the trade bid packages are largely bought-out and the true TCFSD budget deficit understood, expected to occur in December 2019 to spring 2020. The COVID-19 pandemic has delayed several of the final bids, such as site related scopes. The COVID-19 pandemic has also introduced cost impacts, including those associated with mandatory conformance with the San Francisco Health Officer's Orders and Directives. However, despite the COVID-19 pandemic, the Project's construction schedule has thus far experienced only a two-day slip.

Through September 2020, approximately 99% 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. The indicator pile program was successfully completed allowing new construction to begin on October 7, 2019. Deep foundation pile installation was completed in December 2019 with mud slab and waterproofing following. The mat slab was placed in January 2020. Erection of structural steel began in February 2020 and a topping out ceremony was held on April 3, 2020. Roofing has been completed with much of the rooftop mechanical equipment installed in July. Interior framing has also progressed, with the exterior wall assembly reaching final phases with the start of metal panel installation expected in October.

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 19, 2019 |
| • New building construction Services NTP | October 7, 2019 |
| • Substantial Completion | October 2021 |
| • Final Completion | Fall 2021 |

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Police Facilities (ESER 2014)

Component Description: The project includes various focused scope projects at 12 police facilities (9 district stations and 3 support facilities – Southern Station is new, built within the Public Safety Building) 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 component's overall budget is \$30M. The cost to address all police facilities' issues is far in excess of this budget. Project priorities are according to building deficiencies that potentially compromise police staff and the public's health and safety, and others that pertain to code compliance.

ADA Packages 1 and 2 – 10 Facilities – Complete

Work to address accessibility issues at nine (9) facilities (Central, Mission, Bayview, Northern, Tenderloin, Park, Ingleside, Taraval, Richmond, and Police Academy) is complete.

Firearms Simulator Training Facility at Lake Merced – Complete

Northern, Richmond, and Taraval Station Renovation Project

Substantial Completion was achieved as anticipated on May 5, 2020. Close-out documents have been submitted and are under review. Final completion to be issued in November 2020.

Park and Ingleside Station Renovation

Substantial completion achieved on February 19, 2020.
Final completion is projected in November 2020.

MEP Package 2 at Bayview and Tenderloin Station

Projected substantial completion – November 2020. Close-out documents have been submitted and are under review. Final completion is anticipated in December 2020.

Police Academy Renovation

This project is on-hold per Capital Planning Committee.

Mission Station Renovation

This project is on-hold per Capital Planning Committee.

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 partial interest earned thru FY2017. The following is a summary of the budget and appropriation per component:

ESER 2010: As of September 2020

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	228,923,013	0	7,738,962	97%
Neighborhood Fire Stations (NFS)	64,000,000	66,906,313	66,906,313	65,800,726	288,435	817,152	98%
Traffic Company & Forensic Services Division (TC/FSD) (iv)		2,338,024	2,338,024	0	0	2,338,024	0%
Auxiliary Water Supply System (AWSS)	102,400,000	102,400,001	102,400,001	97,706,405	3,840,256	853,340	95%
Oversight, Accountability & Cost of Issuance	6,900,000	2,545,864	2,545,864	2,096,526	0	449,338	82%
Public Works Program Reserve		105,719	105,719	0	0	105,719	0%
Appropriated Unallocated Interest (v)		4,415,033	4,415,033	0	0	4,415,033	0%
TOTAL (i)	412,300,000	415,372,929	415,372,929	394,526,670	4,128,691	16,717,568	95%

(i) PeopleSoft financial data thru Q1 FY2021

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

(iii) PSB financial reconciliation & close out in process; project savings are intended to be reallocated to other ESER bond programs' project(s)' needs (pending necessary City approvals & PeopleSoft requirements)

(iv) In Q1 FY2021 TCFSD received (partial) PSB savings \$2.3M previously held on reserve with the Office of Public Finance

(v) Request to reallocate currently appropriated interest to active Neighborhood Fire Station project(s) was authorized by AOSD and transfer is 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 \$394,526,670 and \$4,128,691 respectively. Expenditures represent 95% of the total current 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:

ESER 2014: As of September 2020

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	67,420,037	24,130	88,857	100%
Traffic Company & Forensic Services Division (TC/FSD)	162,195,000	163,375,150	163,375,150	103,078,229	7,551,028	52,745,894	63%
Police Facilities (PF)	29,490,000	29,645,661	29,645,661	25,329,679	347,057	3,968,924	85%
Neighborhood Fire Station (NFS)	83,555,000	80,351,381	80,351,381	51,085,702	9,688,798	19,576,880	64%
Emergency Firefighting Water System (EFWS)	54,065,000	54,347,209	54,347,209	23,757,811	18,136,261	12,453,137	44%
Oversight, Accountability & Cost of Issuance	6,800,000	2,284,545	2,284,545	1,637,516	0	647,029	72%
Public Works Program Reserve		451,187	451,188	0	0	451,188	0%
TOTAL (i)	400,000,000	397,988,157	397,988,157	272,308,974	35,747,274	89,931,909	68%

(i) PeopleSoft financial data thru Q1 FY2021

(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 \$272,308,974 and \$35,747,274 respectively. The expenditures represent 68% of the total current 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
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Contact	Title	Component	Telephone No.	Cell No.	E-mail
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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		FY 21/22		FY 22/23			
		Start	Completion	July 1, 2010	June 30, 2011	July 1, 2011	June 30, 2012	July 1, 2012	June 30, 2013	July 1, 2013	June 30, 2014	July 1, 2014	June 30, 2015	July 1, 2015	June 30, 2016	July 1, 2016	June 30, 2017	July 1, 2017	June 30, 2018	July 1, 2018	June 30, 2019	July 1, 2019	June 30, 2020	July 1, 2020	June 30, 2021	July 1, 2021	June 30, 2022	July 1, 2022	June 30, 2023		
		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	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr		
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	12/30/22	54,347,209																											
Current Projection	54,347,209	11/06/14	12/30/22	54,347,209																											
EMERGENCY FIREFIGHTING WATER SYSTEM (EFWS) SUB-TOTAL																															
June 2015	156,465,000																														
Baseline	156,747,209																														
Current Projection	156,747,209																														