



# Earthquake Safety and Emergency Response Bond Program 2010 & 2014

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## Quarterly Status Report

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Prepared for the

- Citizens' General Obligation Bond Oversight Committee
- San Francisco Police Department
- San Francisco Fire Department
- Public Utilities Commission

Submitted by  
Charles Higuera  
Program Manager

**Public Safety Building**



Station 4 Apparatus Bay

**Neighborhood Fire Stations**



Station 38 Shower Replacement

**Auxiliary Water Supply System**



Jones Street Tank



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

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## Executive Summary

### ESER 2010

The Earthquake Safety and Emergency Response (ESER 2010) Bond Program consists of three components: the **Public Safety Building (PSB)**, the **Neighborhood Fire Stations & Support Facilities (NFS)**, and the **Auxiliary Water Supply System (AWSS)**. These components' particular projects are proceeding apace, hewing to stipulated schedules and budgets. Some projects confront unanticipated impacts such as delayed DBI permitting and Civic Design Review approval. The impacts are managed to avoid as much as possible, undue consequence to client department(s)' expressed needs and expectations. To date there have been no upsets that would compromise client department's expectations for the successful delivery of any project.

The following is a brief summary of each component's status.

#### Public Safety Building

Punchlist work at building interior and sitework is underway, and expected to continue through Final Completion in May 2015.

Guided tours for the community, held on March 20<sup>th</sup> and 21<sup>st</sup>, were well-attended. First day of operation for Police Station started March 28 and for Fire Station 4 and the Arson Task Force started March 30. The Police Headquarters is scheduled to begin operations on April 13.

Project Cost, inclusive of all construction change orders to-date, is tracking within the total project budget of \$243M.

#### Neighborhood Fire Stations & Support Facilities

Seismic Projects: Station 16, Station 5, and Fire Boat Station 35

**Station 16:** DBI issued site permit on February 20 and deadline for filing of appeals was February 27. CEQA appeal hearing at the Board of Supervisors has been scheduled for May 19. Board of Appeals has been scheduled for June 24. Scheduled start of construction will be delayed. RFP for Station 16 pricing by prequalified General Contractors was issued on March 11.

# Earthquake Safety and Emergency Response Bond Program

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**Station 5:** 50% Design Development design documents were issued on April 11. RFP for pricing by short listed Construction Management / General Contractors is scheduled for issuance in mid May 2015. SFAC Civic Design Review, Phase II presentation is scheduled for April 20

**Station 35:** Next programming meeting with SF Port is scheduled for April 10. Environmental kick off is also scheduled for April 10 with SF Port, Planning and newly contracted consultants. RFQ for A/E subconsulting services: Maritime Structural; MEP; Civil to be developed in April – May. Civil Service Commission approval will be sought.

The forecasted need for NFS 2010 projects as developed subsequent to the passage of the Bond is approximately \$84M which is \$20M above the ESER 2010 Bond Funds of \$64M as a result of initial programming assumptions, market conditions, added scope, and unforeseen conditions. The specific projects driving the additional costs are Stations 5, 16 and 35. These costs will be mitigated by using proceeds from ESER 2014. The SFFD endorses the forecasted need and the proposed mitigation.

## Comprehensive Projects: Station 36

**Station 36:** Project was successfully completed and SFFD reoccupied the station on November 19. Sidewalk work to both meet ADA requirements and not damage the underside of the fire equipment requires modification of the existing road and sidewalk. SFMTA scheduling of the requisite Board of Supervisors hearing is pending. Change order for additional scope directed by SFFD to install new bi-fold apparatus bay doors was approved on April 8. Installation of this long lead item will be scheduled to coincide with sidewalk work at the same apron location.

## Focused Scope Projects

Focused Scope portfolio is organized into six packages. All roofing, mechanical and window work is complete. The shower and generator packages are in construction, while the exterior envelope package is in the close out phase. Refer to the Neighborhood Fire Stations full report for further detail.

## Auxiliary Water Supply System

Construction continued for the Ashbury Heights Tank, Jones Street Tank, and Twin Peaks Reservoir contract (WD-2685). Pumping Station 1 construction contract (WD-2686) started. Design work continued for Pumping Station 2.

# Earthquake Safety and Emergency Response Bond Program

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## (ESER 2010 & 2014)

Construction continued for Cisterns B (WD-2696), Cisterns C (WD-2697), and Cisterns D (WD-2745) contracts. Design work continued for additional new cisterns.

Planning and design work continued for pipeline and tunnel projects.

Planning work continued and design work started for ESER 2014 projects.

### Budget

To date, the ESER has received the proceeds of five bond sales totaling \$385,844,885 and has expended \$292,420,344 through March 2015. Out of the \$292,420,344, \$224,550,635 is for the PSB; \$27,329,897 is for the NFS; \$39,001,760 is for AWSS; and \$1,538,051 is for Bond Cost of Issuance, Bond oversight and accountability expenses. The expenditures are consistent with our spend-down forecast and are within budget. The breakdown of the proceeds received to-date is discussed in the [Budget, Funding and Expenditures](#) section of this report.

### ESER 2014

In June 2014, 79% of the voters approved Proposition A - Earthquake Safety and Emergency Response Bond 2014 (ESER 2014) for \$400M. ESER 2014 will pay for repairs that will allow San Francisco to quickly respond to a major earthquake or disaster.

The ESER 2014 is comprised of five components: **Office of the Medical Examiner (OCME)**; **Traffic Control & Forensic Services Division (FSD)**; **Neighborhood Fire Stations (NFS)**; **Emergency Firefighting Water System (SFPUC)**; and **Police Facilities (PF)**. SFPUC will manage the Emergency Firefighting Water System component and DPW will manage the remaining components.

### OCME Facility

KMD Architects received authorization to proceed with structural and exterior skin re-design due to the cost prohibitive and schedule delay impacts associated with the original design (keeping exterior concrete tilt-up panels and foundations in place that required extensive underpinning, bracing, and shoring). The re-design will provide cost savings and will allow completing construction as originally anticipated – within 20 months. Clark Construction is finalizing Trades' RFQ/RFP schedule and the team is planning to advertise the first trades' RFQ in April 2015. Department of Building Inspection Permit strategy involves submission of three addenda to the already submitted site permit: demolition, structural, and the remaining design. Very timely and simultaneous review of the addenda by DBI is critical in maintaining the construction schedule timeline. Vanir/Saylor, a Joint Venture Partnership, is providing supporting management services, mainly in the review of cost estimates,

# Earthquake Safety and Emergency Response Bond Program

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## (ESER 2010 & 2014)

construction schedule, and other project related activities. The project is anticipated to achieve LEED Gold certification.

### SFPD TC & FSD Facility

HOK was selected to provide design services and contract negotiations are in progress with the anticipated issuance of NTP in June 2015.

The CEQA process has been completed. A Final Mitigated Negative Declaration was completed and published on November 19, 2013.

Integrated Project Delivery, CM/GC including Design-Build core trade subcontractors, was approved by the City Administrator, BOS, and the Mayor as a viable project delivery methodology for this project.

### NFS

The ESER 2014 NFS is comprised of three components: Comprehensive Scope, Focused Scope and Seismic upgrade. After receipt of bond funding in October 2014, building assessment was proceeded to confirm priority and immediate scope needs per station. Upon SFFD approval, the NFS team moved forward with planning and design of the early focused scope projects while building assessment and historical preservation evaluation are in place. The early focused scope projects are organized into seven packages including Apparatus Bay Door, Roofing, Exterior Envelope, Emergency Generator, Shower, HVAC and Window. Refer to the Neighborhood Fire Stations full report for further detail.

### Budget

The ESER 2014 budget is \$400M. The proceeds of the first bond sale totaling \$101,708,289 were appropriated. The breakdown of the proceeds received is discussed in the [Budget, Funding and Expenditures](#) section of this report.

### Other Information

For more information, visit the ESER web site at [www.sfearthquakesafety.org](http://www.sfearthquakesafety.org).



Earthquake Safety and Emergency Response Bond Program  
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## Program Summary and Status

### Public Safety Building (ESER 2010)



Exterior signage for Police HQ at Third Street



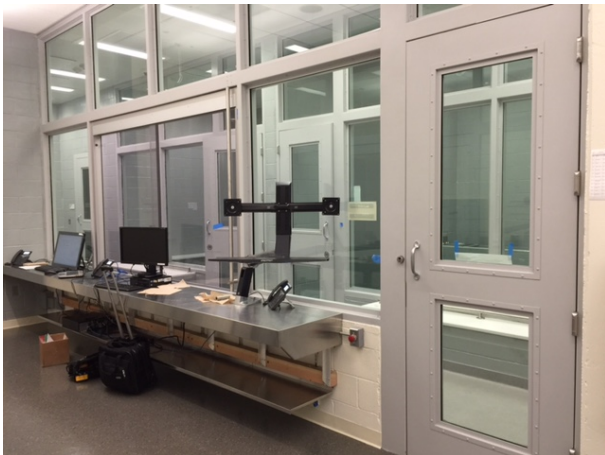
Fire Station no. 4 apparatus bay



Police HQ roof terrace (Level 3)



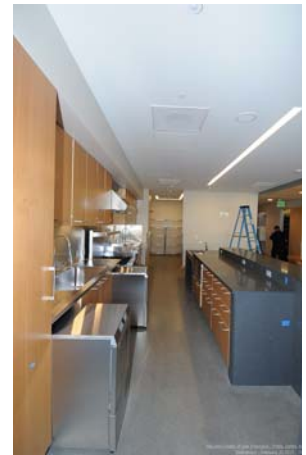
Paving in progress at China Basin Street



Station Keeper's at Southern District Station



Front entry plaza



FS4 kitchen and dining

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

**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 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)*.

**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, the Medical Examiner and Crime Scene Investigation (CSI).

## **Project Status:**

Construction Activities:

- Functional testing, commissioning of all systems ongoing, followed by user training at the new PSB facility.
- Mission Bay Development Group has completed roadwork at Block 8 frontage. The remaining work, including minor site improvement at Block 8, and completion of work through to Terry Francois Blvd, is expected to be complete by June 2015.
- Subcontractor Punchlist work is expected to be complete in May.

# Earthquake Safety and Emergency Response Bond Program

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## (ESER 2010 & 2014)

### **Project Schedule:**

SUBSTANTIAL COMPLETION = March 2015 (under review)

FINAL COMPLETION = March 2015

TARGET MOVE-IN = March / April 2015

- Trade package and FFE (furniture, fixture, and equipment) bidding is complete.

**Project Budget:** Project Cost, inclusive of all change orders to date, is tracking within the Total Project Budget of \$243M. Refer to the [Attachment 1 – Program Budget Report](#) for further detail.

Earthquake Safety and Emergency Response Bond Program  
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Neighborhood Fire Stations (ESER 2010)

7432A Showers – Package 3 Station 40 Chief and Officer’s Restroom

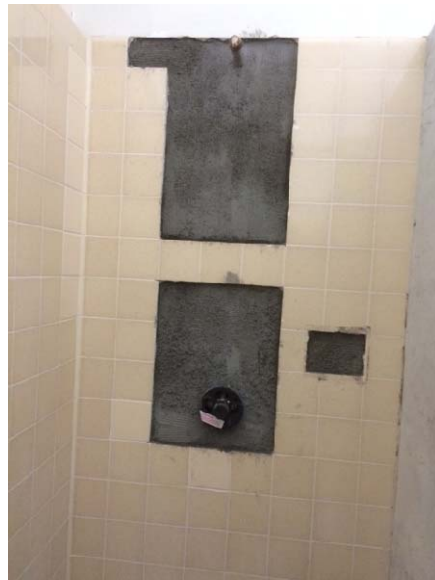


Before



After

7432A Showers – Package 3 Station 38 Before, During Construction and Near completion



# Earthquake Safety and Emergency Response Bond Program

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**Project 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.

**Project Background:** Many of the 42 San Francisco Fire Stations have structural, seismic, and other deficiencies that could inhibit their functionality. Some may not be operational after a large earthquake or other disasters, threatening the ability of the firefighters to respond to an calls for service. In addition, there are other fire department resources that support and augment the capacity of the department to provide effective fire suppression capability.

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

For 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 for such purposes in this bond. 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 DPW 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 16 of the 42 neighborhood fire stations, as well as for the Fire Boat Station. The approved slate of projects was presented to the SF Fire Commission on April 26, 2012.

## **Project Status:**

SFFD evaluated project scope and program budget options prepared by DPW and approved on February 29, 2012 a final slate of Groups I, II and III projects to be completed as part of ESER I. Direction was also provided for the preferred development of the Fire Boat Station and analysis of the Emergency Logistics Center (ELC). The approved slate of projects was presented to, and accepted by, the SF Fire Commission on April 26, 2012.

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

## Seismic Projects: Stations 16 and 5

### Station 16:

Design services are being provided by DPW BDC/IDC.

The site and demolition permits were filed with DBI on December 20, 2013. Comments were received in September 2014, and DPW response to comments was submitted to DBI in October 2014. The site permit was received on February 20, 2015. Deadline for appeals was February 27, 2015. A CEQA appeal hearing at the Board of Supervisors has been scheduled for May 19. Board of Appeals has been scheduled for June 24. As a result of these appeals, the scheduled start of construction will be delayed. The RFP for Station 16 pricing by prequalified General Contractors was issued on March 11; the due dates for bids is to be determined. 100% Construction Documents were completed on November 20 and the permit addendum was submitted to DBI on February 21.

Meetings with Station 16 personnel were held at SFFD request to review the project scope, the outcome of which as it pertains to any revisions to the design is to be determined.

### Station 5:

Design services are being provided by DPW BDC/IDC through the concept phase; DPW BDC Architecture, Landscape Architecture, and DPW IDC Structural Engineering through design and construction; and as-needed engineer GHD for MEP and Civil engineering disciplines.

Outreach to elected officials and community groups began in 2014 with a presentation to District 5 Supervisor London Breed on January 13, and a follow up presentation is scheduled for April 17. Station 5 public outreach meetings were held on June 19 and 26, July 10 and September 25, 2014.

Civic Design Review Phase 1 approval was granted on October 20, 2014. CDR Phase II presentation is scheduled for April 20, 2015.

Public Works issued an RFQ for CM/GC services in October 2014. Six responses were received on December 19. The selection panel evaluated proposals, and the results were that five firms qualified to advance to the RFP stage. Since the RFQ indicated that the top 5 scoring firms would advance to the RFP phase, interviews were not necessary. The five firms are: Swinerton; Nibbi; Pankow; Cahill; West Bay Builders.

# Earthquake Safety and Emergency Response Bond Program

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## **Fire Boat Station 35:**

Design services are being provided by DPW BDC/IDC (Structural) and specialty subconsultants.

SFFD directed DPW to resume project planning at the existing Station 35 location, Pier 22-1/2. Project re-start meetings with SF Port occurred in June. Maritime expert architect Mary McGrath Architects of Oakland, CA is finalizing the building program and program diagrams for review and approval with various constituencies. Initial review meeting was held with SF Port on December 17.

The next programming meeting with SF Port is scheduled for April 10. The Environmental kick off is also scheduled for April 10 with SF Port, Planning and newly contracted consultants. RFQ for A/E subconsulting services: maritime structural; MEP and Civil to be developed in April – May and issuance will be scheduled for issuance following Civil Service Commission (CSC) approval.

## **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 DPW prepare a program analysis and cost estimate for the EMS for consideration in proposed the 2016 SFDPH bond. The analysis is ongoing as SFFD considers alternate sites for best accommodation of its operations.

## **Comprehensive Project: Station 36**

Design services are being provided by Paulett Taggart Architects through DPW-BDC's as-needed consultant contracting program.

The design and construction are proceeding on track to meet LEED Gold for Commercial Interiors standards as approved by the Green Building Coordinator, San Francisco Department of the Environment. Commissioning consultant Enovity, contracted through PUC, is reviewing all installation, testing, and start up activities to confirm requirements are met.

SFFD reoccupied the station on November 19, 2014.

SFFD directed the team to add new Apparatus Bay doors to the project funded by savings on Focused Scope projects. These are long lead items and delivery date is to be confirmed,

# Earthquake Safety and Emergency Response Bond Program

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anticipated spring 2015, post occupancy. The apron and sidewalk design in front of the station was modified to accommodate both accessibility requirements and SFFD equipment clearances needed. The resulting work in the sidewalk and street will require multiple additional approvals and permits. SFMTA scheduling of the requisite Board of Supervisors hearing is pending.

Work schedule subsequent to receipt of post permits is to be confirmed, anticipated spring 2015, post occupancy. Change order for additional scope directed by SFFD to install new bi-fold apparatus bay doors was approved on April 8. Installation of this long lead item will be scheduled to coincide with sidewalk work at the same apron location.

## Focused Scope Projects

Design services are being provided by DPW BDC/IDC. (4) of the (5) emergency generators are designed by GHD (as needed electrical engineering consultant.)

## **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 – JOC (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 are complete.

Detail: All work is complete.

## Exterior Envelope – 16 Stations

Summary: Per SFFD direction, BBR is to execute paint work in (6) stations – FS 6, 28, 38, 41, 42, and 49 while the remaining packages (packages 4, 5, and 6) will be bid out through DPW public bidding process to a B or C33 license contractors due to the complexity of scope at these stations.

Detail: Public Works BBR completed Stations 28 and 41, the final stations in BBR's portfolio.

Packages 4, 5, and 6 for 3 stations, 4 stations, and 3 stations respectively were successfully bid to B or C33 license contractors.

- Packages 4 and 5 are complete. Package 6 is in close out.
- Package 6 (Stations 2, 18, 31) – Roebuck Construction: The contractor started the actual work on March 5 on Station 2 only and will move to Station 31 and 18 upon completion of Station 2. Quality issues with painting subcontractor Slater Custom Painting at Station 2 led to ultimate removal of this subcontractor. The new subcontractor is Woodbrook Painting. New completion date at Station 2 is scheduled for June 5. Additionally at Station 2, window



# Earthquake Safety and Emergency Response Bond Program

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## (ESER 2010 & 2014)

design was modified to accommodate proper structural support of window expanse. The issue was exacerbated by poor coordination between the contractor, subcontractor, and supplier. Contractor began installing new windows at Station 2 in mid September; manufacturer delivered windows 2 weeks later than anticipated. Paint mock up is approved at Station 31 and scaffolding has been installed. East elevation priming activity resulted in assessment of existing paint as failing; manufacturer and contractor involvement in identification of proper method of removing lead based paint. The safest effective paint removal method was carefully researched, and carefully coordinated with SFFD occupants and neighbors prior to use. No complaints were received. This work was begun in late September and was completed on October 24. Contractor will address installation issues at new kitchen window. Station 18 mockup is complete. Substantial completion of this package is scheduled for July 2. Time extension will be negotiated pending Station 2 delayed delivery date of windows to August 25; a further extension is anticipated for the existing paint removal. Window installation was completed in October. The extended completion date will cover time for all delays. The punch list is completed and the final change order is in progress.

### Emergency Generator Replacement – 5 Stations

Summary:

Stations 6, 15, 12, 17, and 21 are scheduled to receive new Emergency Generators (EGs). Stations 6, 12, 15, and 21 are complete; Station 17 is under construction.

Detail:

Station 17: Initial substantial completion date is May 19, 2014. Substantial completion date was extended to July 11 due to PG&E scheduling conflicts and coordination with the exterior envelope work. Issues with PG&E wiring type will require a further extension to August, pending resolution with PG&E. The new generator's engine failed and was replaced by the manufacturer on September 15. The tank size will be enlarged to properly accommodate the required 72 hour back up period. JOC contractor Nicole's Work pricing for the new tank is delayed. Proposal was provided in December. The new tank is a long lead item. DPW prepared drawings and worked with JOC Contractor, Nicole's Work, to obtain DBI review and approval. DBI had review comments on the drawings regarding the tank size and vent connection. The drawings are currently being revised for resubmittal and review. Completion date is to be confirmed in April pending receipt of DBI permit. 8-10 weeks minimum. Contractor is to take out the construction permit with DBI. DBI plan check reviewers requested changes and explanation re: the run time and load calculations from DPW IDC designers. This continues to further delay the work

# Earthquake Safety and Emergency Response Bond Program

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## Shower Reconstruction – 9 Stations

Summary:

Stations 6 and 15 have been completed. Stations 17 and 18 were put on hold by SFFD due to scope complexity. Station 44 was completed by Roebuck, the Station 44 contractor. Stations 26, 38, 13, 18, 40, and 41 were bid out under one package. Wickman Development and Construction was the awarded contractor – NTP was issued on July 7, 2014.

Detail:

The City rebid the package of 6 stations on April 23, and awarded the contract to Wickman Development and Construction on May 30. NTP was issued to Wickman on July 7. Preconstruction phase for measurement and ordering of material was extended to September 19. Construction is scheduled to begin on October 14 at Station 40. SFFD removed Station 18 from scope. Construction continues and the schedule has been extended to complete at all stations in June 2015.

Stations 38, 40 & 41 were completed with the exception of the shower pan replacement and minor punchlist items. Contractor will complete these items after the completion of Stations 13 and 26. Station 13 (Men's Room): Demo and Hazmat was completed in March, followed by rough plumbing and plumbing inspection in April. Station 26 (Men's Room): Shower pan and wall panel installation is under way. Finish plumbing and temporary shower curtain will be next to complete by mid April before proceeding to the Officer's Room shower replacement.

## 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 – (4) stations and Group 2 – (11) stations. Group 1 (Stations 6, 17, 38 and 42) was substantially completed by Azul (JOC Contractor) in August 2013. Group 2 (Stations 2, 10, 13, 15, 18, 26, 28, 31, 32, 40, 41) were awarded to Rodan (JOC Contractor). Work started on January 2, 2014. All work is now complete.

Detail: All work is complete.

## Window Repair (BBR) - 12 stations

Summary: BBR was selected to perform this work.

# Earthquake Safety and Emergency Response Bond Program

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## (ESER 2010 & 2014)

Detail: This work is complete.

### **Historic Evaluation and Environmental Review**

Summary: CEQA reviews and approvals proceed apace coordinated with the overall design and construction schedule.

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

#### Fire Station #5

The Station 5 PPA was submitted on December 6, 2012. Planning provided the PPA response on February 7, 2013. Contracting for outside consulting services for Station 5 was awarded to Ward and Associates, DPW's on-call consultant and their efforts began in May 2013. DPW submitted the Environmental Evaluation and initial technical reports to City Planning on July 31, 2013. Additional technical reports were submitted on September 24, 2013. Planning provided technical comments on October 30. Ward and Associates revised the reports and resubmitted to Planning on November 25. Planning's additional comments were received on March 13, 2014. Technical reports are currently being finalized. The revised Environmental Evaluation was submitted on November 7 to Planning.

DPW submitted the draft HRE for Planning review on September 24. Planning provided comments on October 30, and the final HRE was submitted to Planning on November 25. Planning provided comments on January 22, 2014, and further clarified comments on February 7. The revised HRE's were submitted to Planning on March 12, 2014. Planning determination of the final level of environmental review and type of document to be issued is pending.

#### **Project Budget:**

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

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

## Neighborhood Fire Stations (ESER 2014)

Fire Stations Assessment – Station 3



### Projects' Description:

The ESER 2014 bond program is anticipated to continue the work of ESER 2010 bond, categorizing projects according to the three categories of Focused Scope, Comprehensive, and Seismic. The principal goal of ESER 2014 is to continue to address identified and prioritized needs while seeking to perform work at all stations not addressed under ESER 2010.

# Earthquake Safety and Emergency Response Bond Program

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## Project Status:

20 stations were assessed in first quarter 2015 to confirm scope needs per station. Cost estimation will proceed in second quarter 2015. Prioritization of the full NFS program, i.e., scopes of work approved at each station is anticipated in third quarter 2015.

As needed consultant Page and Turnbull, our expert Historic resource architect, is scheduled to perform historic evaluation assessments in April. DPW PM and Regulatory Affairs will confirm requirements for each station's approved scope with Planning.

After receipt of bond funding in October, the NFS team moved forward with planning of initial (i.e. prior to the identification of the entire portfolio) Focused Scope projects: first apparatus bay doors, roof replacements, exterior envelope, windows and mechanical projects. Design began in January as scheduled. In the second quarter, the first array of projects will be bid Initial Focused Scope Projects

Design services are being provided by DPW BDC/IDC. GHD is working as our as-needed engineering consultant on the generator projects as well as Station 3 mechanical.

### Apparatus Bay Door – Package 1 (3 stations: Stations 7, 13 & 15)

Two schemes have been presented to SFFD – inswinging and outswinging doors. Per SFFD meeting on March 30, the inswinging doors are strongly preferred and they are infeasible for execution at Stations 7 and 13. In April DPW will recommend 2 other stations for inclusion in this package.

### Roofing – Package 1 (Station 3 - a combined package including roofing, HVAC and generator scopes)

Currently in Design Phase. GHD is contracted to provide mechanical and generator consultation and design. Three schemes have been provided for discussion. Design review package scheduled for mid April. Roofing Package 2 to be confirmed.

### Shower – Package 1 (Stations 20, 22 & 34)

Currently in Design; has achieved 75% Construction Documents level of completion. 100% CD due in early May followed by DBI permit, bid/award, and construction to start in late July.

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

## Windows – Package 1 (Stations 8, 9, 19, 20, 21, 22 & 24)

DPW and BBR assessed window scope with SFFD on site. Window repair and/or replacement will be performed by DPW BBR. Proposals will be reviewed in April to confirm funding and scopes. The team will proceed with high priority Stations 19 & 24 as per SFFD direction.

## Exterior Envelope – Package 1

First report anticipated in second quarter 2015.

## Mechanical – Package 1 (Stations 7, 8, 14, 20, 22, 23, 41, 42 & 49)

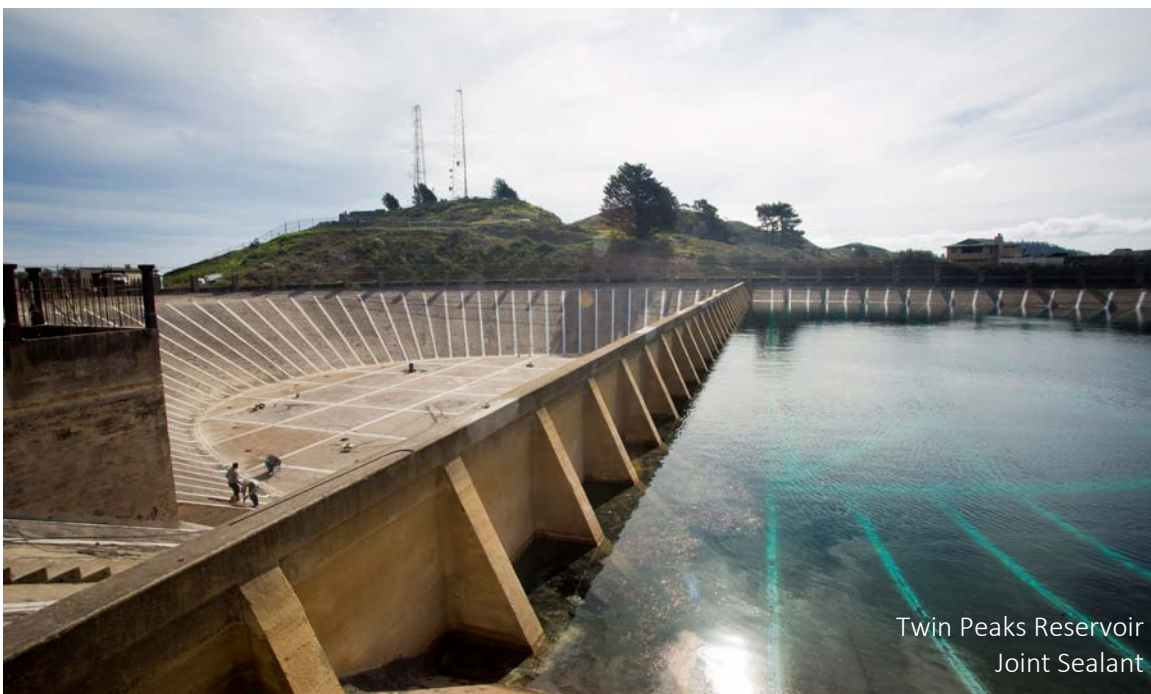
The JOC project initiation form was submitted in November 2014. DPW has not reached agreement with JOC contractor, and by mutual agreement DPW will seek other project delivery method in second quarter 2015.

## Generator – Package 1 (Stations 3, 19, 31 & 39)

Consultant has visited Stations 3, 19 and 39 for scoping. Station 31 site walk will proceed in second quarter 2015. Station 19: Housing replacement only. Station 31: Scope of work to be confirmed. Station 39: NTP to GHD was issued for design. Documents will be ready for bid in late May. It will be a Micro LBE project.

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Auxiliary Water Supply System (AWSS) (ESER 2010)



# Earthquake Safety and Emergency Response Bond Program

## (ESER 2010 & 2014)



**Project Description:** The Earthquake Safety and Emergency Response Bond will improve and seismically upgrade the AWSS cisterns, pipelines, tunnels, and physical plant.

**Project Background:** The Emergency Firefighting Water System delivers high-pressure water and cistern water storage for fire suppression in several areas of the City. It 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.

**Project Status:**

### Physical Plant

Construction continued for the Ashbury Heights Tank, Jones Street Tank, and Twin Peaks Reservoir contract (WD-2685). Twin Peaks Reservoir work is complete except for valve actuator installation. Work started at Jones Street Tank. Construction contract completion is September 2015.

Pumping Station 1 contract (WD-2686) work started. The pumping station will be out of service from June 2015 to February 2016 while the diesel engines and generator are being replaced.

Pumping Station 2 design completion is due July 2015.



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

## Cisterns

Construction continued for Cisterns B (WD-2696), Cisterns C (WD-2697), and Cisterns D (WD-2745).

Cisterns E (WD-2746) construction bid advertisement is scheduled for April 2015.

Cisterns F (WD-2747) construction bid advertisement is scheduled for July 2015.

Contract	#	Location	Contracted	Constructing	Completed	Contract Completion
Cisterns B (WD-2696)	1	Cashmere St., Hudson Ave.			✓	July 2015
	2	Colby St., Silver Ave.			✓	
	3	Geneva Ave., Moscow St.		✓		
	4	Geneva Ave., Paris St.		✓		
	5	Holyoke St., Silliman St.			✓	
Cisterns C (WD-2697)	1	18th Ave., Ulloa St.		✓		July 2015
	2	21st Ave., Ocean Ave.			✓	
	3	Funston Ave., Geary Blvd.			✓	
	4	St. Elmo Way, Yerba Buena Ave.		✓		
	5	St. Francis Blvd., San Buenaventura Way		✓		
Cisterns D (WD-2745)	1	Amber Dr., Duncan St.		✓		May 2016
	2	Casitas Ave., Lansdale Ave.		✓		
	3	Diamond Heights Blvd., Duncan St.	✓			
	4	Dorchester Way, Ulloa St.	✓			
	5	Folsom St., Ripley St.		✓		
Cisterns E (WD-2746)	1	17th Ave., Pacheco St.				-
	2	18th Ave., Irving St.				
	3	18th Ave., Moraga St.				
	4	18th Ave., Santiago St.				
	5	Laguna Honda Hospital				
Cisterns F (WD-2747)	1	5th Ave., Cabrillo St.				-
	2	6th Ave., California St.				
	3	30th Ave., Lake St.				
	4	Apollo St., Williams Ave.				

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

## Pipelines and Tunnels

Clarendon Supply – This project will provide a new water supply near the crest of Clarendon Avenue (approximately 500' northwest of Sutro Tower). The project is now planned to be located entirely within the right-of-way, with no encroachment into Recreation and Park Department property. Conceptual engineering report is due May 2015.

Control System – This project will improve the AWSS control and telecommunications systems. Conceptual engineering report was completed. Implementation strategy is being developed.

Fireboat Manifolds and Suction Connections – Remediation measures are being defined.

Fourth Street Connection – This project will install a new underwater hose connection across the Fourth Street Bridge to connect existing AWSS pipelines. This project will be constructed in the same contract as the Pumping Station 1 Tunnel project due to the marine work involved in each project. Construction documents are due June 2015.

Jones Street Tank Valve Motorization – This project is expected to be constructed as part of contract WD-2685 (Ashbury Heights Tank, Jones Street Tank, and Twin Peaks Reservoir). A contract time extension may be needed depending on material delivery lead times and contract time remaining.

Pipeline Investigation and Remediation – This project will provide a condition assessment of the AWSS pipeline network and recommend a long-term repair, replacement, and abandonment plan. A pipeline condition assessment firm conducted field assessments of pipe leakage and pipe stress conditions in selected locations using both acoustical and electro-magnetic methods. The results of these field assessments are due May 2015.

Pumping Station 1 Tunnel – This project will improve the existing Pumping Station 1 seawater tunnel by adding structural reinforcement beneath the Embarcadero seawall, installing resilient inserts at the existing Embarcadero sewer-box crossing, the mid-tunnel inflection, and the sand-rock interface, and repairing minor concrete spalling and exposed reinforcing steel. This project will be constructed in the same contract as the Fourth Street Connection project due to the marine work involved in each project. Construction documents are due June 2015.

Street Valve Motorization – This project will motorize valves needed to better control AWSS water flows. This work is planned to occur near the Sacramento/Kearny, 17<sup>th</sup>/Dolores, Chavez/Vermont, and Clarendon/Twin Peaks intersections. Construction documents are due May 2015.

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

## ESER 2014

ESER 2014 Project Recommendations	Due 4/2015
Ashbury Tank Valve House – Needs Assessment	Completed
Jones Street Tank Valve House – Needs Assessment	Due 4/2015
Jones Street Tank Generator Anchorage – Evaluation	Completed
Jones Street Tank Retaining Walls – Condition Assessment	Completed
Network Surge Analysis	Processing proposal
Pumping Station 1 Seawater Well – Needs Assessment	Due 8/2015
Pumping Station 2 Seawater Well – Needs Assessment	Due 8/2015
Pumping Station 2 Southern Discharge Tunnels – Needs Assessment	Due 8/2015
Twin Peaks Reservoir Forebays – Conceptual Engineering Report	Due 8/2015
Twin Peaks Reservoir Tunnels – Conceptual Engineering Report	Due 8/2015

19<sup>th</sup> Avenue Pipeline Replacement – This project will install new 20” Auxiliary Water Supply System pipe on 19<sup>th</sup> Avenue from Irving Street to Kirkham Street. This project is being combined with other capital improvement projects for sewer, water, paving, and transit. Construction documents are due May 2016.

Candlestick Point Pipeline Installation – Carroll Avenue – This project will install new 20” Auxiliary Water Supply System pipe on Carroll Avenue from Ingalls Street to Hawes Street. This project is being performed in support of the Candlestick Point development project. Materials procurement bids are due April 2015.

Irving Street Pipeline Replacement – This project will install new 20” Auxiliary Water Supply System pipe on Irving Street from 7<sup>th</sup> Street to 19<sup>th</sup> Street. This project is being combined with other capital improvement projects for sewer, water, paving, and transit. Bid advertisement is scheduled for July 2015.

### Project Schedule:

Refer to the [Attachment 2 – Timeline and Schedule](#).

### Project Budget:

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

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

## Office of the Chief Medical Examiner (OCME)

(ESER 2014)



**Project Description:** The \$65M project will relocate Office of the Chief Medical Examiner (OCME) to 1 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 is an existing 28,000 gsf industrial warehouse which will be renovated to add a second floor within the existing footprint of the building resulting in a seismically safe 46,000 gsf facility.

**Project 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).

# Earthquake Safety and Emergency Response Bond Program

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## (ESER 2010 & 2014)

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.

**Project Status:** Early site plan application permit was submitted on June 26, 2014 in order to comply with the 2010 Energy Code rather than with the updated 2013 Code, which would significantly impact the construction budget and schedule.

The Planning Department, DBI, SFPUC have accepted the City's project manager's decision to proceed with the demolition of the existing concrete tilt-up panels and foundations due to the negative cost and schedule impacts associated with providing bracing, shoring, and underpinning of the existing concrete tilt-up panels and foundations. One panel at the East elevation is going to be saved in order to maintain the major renovation classification. The footprint of the building will remain the same and no square footage is going to be added or subtracted. Existing walls will be replaced with new stucco walls at the East, South, and West elevations. North elevation will be replaced with metal wall panels due to the zero lot line and lack of access from the adjacent property to install stucco. The re-design will save approximately \$1.6M in construction cost and five to six months in construction schedule.

The selected architect, KMD, received NTP for CD phase on September 15, 2014. The City decided to implement an incremental submittal of permit packages strategy in order to shorten DBI's permit review durations. The prospective permit packaging and DBI Review strategy entails submitting three addenda: #1 – revised demolition in mid April 2015, #2 - structural in May 2015, and #3 – remaining design in July 2015. Site permit is expected to be received by the end of April 2015.

CM/GC, Clark Construction, continues to provide Value Engineering (VE) recommendations in order to keep the project within the budget. Clark has also submitted constructability reviews and updated CPM construction schedule.

KMD Architect submitted 50% CD set on December 23, 2014. Three 50% CD Cost Estimates reconciliation meetings were conducted between February 12 and March 3, 2015. Clark Construction's cost estimate was an outlier - 27% and 30% higher than two other estimates. On March 3 all three estimates were reconciled and are within 3% of each other. All estimates are above the FCBL by a range of \$2.3M - \$3.7M (6.2% to 9.8%). VE meeting was conducted on March 6 and \$4.2M in cost savings was identified; major VE item includes demolishing of the existing concrete tilt-up panels and existing foundations and replacing them with steel frame structure and new stucco walls, which is estimated to save between \$1.6M to \$1.8M. Re-design is anticipated to take two to three months.

# Earthquake Safety and Emergency Response Bond Program

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## (ESER 2010 & 2014)

CMSS, Vanir/Saylor, JV, has been providing numerous services including, but not limited to, cost estimates' reconciliation, review of design and construction schedules, participation in OAC meetings, review and analysis of budget, drawings, FF&E list, etc.

The Maher Ordinance application and supporting documents were submitted to SFDPH on February 25, 2014. SCA Environmental submitted Final report on July 18, 2014. Contaminated soil requiring Class I disposal and elevated levels of methane were discovered by SCA Environmental. Mitigation strategies include disposal of contaminated soil and installation of the passive methane evacuation system as recommended by SCA Environmental and SFDPH. Fugro Consultants were hired to provide design for the methane barrier and passive methane evacuation system on October 1, 2014. Completed design is due by the end of April 2015.

AGS Consultants was hired to perform geotechnical services for the OCME project. Supplemental geotechnical study was submitted on September 19, 2014. These services further evaluated subsurface conditions and developed site-specific seismic response spectra for design and construction. AGS will also perform duties of geotechnical engineer of record during construction.

SFPUC selected building commissioning agent, NAM-Enovity, and issued a Work Order on June 25, 2014. Work commenced on July 17, 2014. Enovity has issued Commissioning Specifications and draft OPR (Owner's Project Requirements) on September 22, 2014.

Civic Design Review (CDR) committee presentation was held on October 20, 2014. CDR approved Phase 1, requested interim review at BDC, which took place on November 17, 2014, and allowed for a combined Phase 2 and Phase 3 presentation. Phase 2 and Phase 3 presentation was held on December 15, 2014. CDR passed a motion to provide Conditional Approval for Phases 2 & 3 excluding the Southeast landscape portion of the project. The CDR requested KMD to resubmit the Southeast landscape design after the public art had been selected. KMD will complete the design of this area and submit for Administrative Approval by the end of April 2015.

### Traffic Control & Forensic Services Division (ESER 2014)

**Project Description:** The project will relocate the SFPD Forensic Services Division (FSD) and SFPD Traffic Company to a site located at 1995 Evans Avenue, Mission Bay, 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.

SFPD - FSD forecasts that in the next 15-20 years, FSD will grow to 178 employees and require up to 130,000 gsf. The project is being developed to support 131 employees for 2020 demand within 89,000 gsf and allows for a potential future expansion if required. The SFPD – TC will support 104 employees for 2020 demand within 20,000 gsf.

**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 at two facilities. The FSD Administration, Crime Scene Investigations, and Identification units, with approximately 60 employees, are housed at HOJ. The FSD Crime Lab, with approximately 25 employees, is housed at Building 606 in 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 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. To fulfill that obligation, the Navy may have to demolish Building 606. Due to the current macro-economic uncertainties, the schedule for completing the site clean-up and creating the open space in support of the housing development is uncertain, but may occur between 2018 and 2020.

#### **Project Status:**

Escrow on the site acquisition closed in February. Discussion of CalTrans parcel and adjacent rail line underway for use as surface parking lot.

A Hybrid IPD delivery method was decided for this project, which would include a CM/GC together with the core trade subcontractors (mechanical, electrical, plumbing, and exterior

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

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building enclosure). IPD - CM/GC with Core Trade Subcontractors project delivery method was approved by the City Administrator on May 20, 2014 as a viable project delivery methodology for the TC&FSD. This approach required an ordinance that was introduced on July 29, 2014. The Ordinance was heard and approved by the Budget and Finance Committee on September 17, 2014, and the BOS approved the ordinance on September 30, 2014, with Mayor's approval obtained on October 9, 2014.

A Contract negotiations with the selected architectural firm, HOK, is underway, with an expected NTP on design in June 2015. . CMSS interviews conducted on February 20 resulted in Vanir/ CM Pros- JV as the highest-ranked team. Contract negotiation anticipated to begin in April 2015.

Haz Mat evaluation of the existing building material has been discussed with Millennium Consulting Associates and DPW's structural/geotechnical engineers. Millennium submitted a proposal for pre-demolition survey for asbestos and lead containing materials for buildings located at 1995 Evans Avenue on January 24, 2014. NTP to Millennium was issued on September 29, 2014. Draft Report was prepared in November 2015; final report is expected in April.

Maher Ordinance application and supporting documents were submitted to SFDPH on February 20, 2014. AEW Engineering submitted Final report on October 10, 2014. No contaminants exceeding allowable levels were discovered. Final Report was submitted to SFDPH for approval as part of the SFDPH's Article 22A compliance on October 10, 2014. SFDPH sent a letter on December 7, 2014 requesting submission of a site mitigation plan that includes additional sample and soil handling as well as dust control plan.



### Police Facilities

#### Projects' Description:

The projects to be defined for this \$30M component of ESER 2014 will be as a result of the findings assembled from the study of all police facilities conducted prior to the June 2014 ballot. The San Francisco Police Department District Station Facility Standards and Guidelines Study provided the insights necessary to reliably dedicate bond funds strategically among all police facilities.

The study informed the estimated total cost to address facilities needs for the SFPD, expressed in 2019 dollars, as \$253M. The report did not set out a schedule of projects as additional reconnaissance and appraisal of facilities conditions is necessary to define the budget of the eventual projects.

#### Projects' Status

With pre-bond general funds, the City was able to render the body of knowledge and perspective developed through the study mentioned here.. The receipt of the first tranche of bond funds., has enables additional study has initiated of the following:

- Exterior building envelope elements such as roofs, windows, doors and walls
- Mechanical, Electrical and Plumbing systems (cost estimating)
- ADA public access improvements
- Historical analyses
- Structural/seismic strength

Beginning fourth quarter 2014 and first quarter 2015, the first array of Focus Scope projects to be executed in calendar year 2015 will be planned and designed and progressively bid. Given the bond sum of \$30M for police facilities against the approximate total need of \$250M, it is expected that the majority of projects to be assembled and delivered under ESER 2014 for police facilities will be within the Focus Scope category.

Planning and scoping of project list began in December and is underway for various scope:

- ADA site access survey and cost estimating completed.
- MEP cost estimating (by Saylor) completed.
- Building Envelope Assessment (by BDC) began in January and underway.
- Structural evaluations (by Structus Inc. & Public Works IDC) began in January and are underway.

## Earthquake Safety and Emergency Response Bond Program

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(ESER 2010 & 2014)

ADA and select building envelope projects is anticipated to commence design in the Fall of 2015. Public Works staff will secure required investigation/ studies to be determine level of CEQA compliance required for defined projects, initially seeking historic resource evaluation.

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

## Budget, Funding and Expenditures

### ESER 2010

#### Budget and Funding

The budget for the ESER 2010 Bond Program is \$412,300,000. There are three additional funding sources managed under this program. (1) As part of the Annual Appropriation Ordinance FY 12/13 (AAO 164-12), the Fire Department received authorization to appropriate \$8,272,000 to supplement Station No. 35 Fire Boat, a project under Neighborhood Fire Stations component, and two non-ESER related projects. (2) An additional \$38,696 was allocated to the Neighborhood Fire Stations to fund Station 35 Slab Repair project, a non-ESER related project. (3) The Public Safety Building received \$5,721,909 from the City's general fund to manage and procure the furniture, fixtures and equipment (FF&E) for the Public Safety Building and Station No. 4. FF&E is not a bond eligible expense. The combined budget is \$426,332,604 with an appropriation of \$399,877,489. The following is a summary of the budget and appropriation by component:

<b>ESER 2010 Components</b>	<b>Budget</b>	<b>Appropriation</b>
Public Safety Building	239,000,000	239,000,000
Neighborhood Fire Stations (NFS)	64,000,000	42,087,325
Auxiliary Water Supply System (AWSS)	102,400,000	102,400,000
Oversight, Accountability & Cost of Issuance	6,900,000	2,357,559
<b>Total (CESER1)</b>	<b>412,300,000</b>	<b>385,844,884</b>
<b>Fire Facility Bond Funds</b>		
7424A Fire Boat/ Fire Station No. 35	7,151,723	7,151,723
7433A Fire Boat/Fire Station No. 35 Slab Repair (CFC918 000298)	398,277	398,277
7433A Fire Boat/Fire Station No. 35 Slab Repair (CFC918 000298)	38,696	38,696
7444A Fire Station 44	722,000	722,000
<b>Total (CFCBLDFD)</b>	<b>8,310,696</b>	<b>8,310,696</b>
<b>Public Safety Building FF&amp;E</b>		
7410A Public Safety Building	5,721,909	5,721,909
<b>Total (1GAGFACP)</b>	<b>5,721,909</b>	<b>5,721,909</b>
<b>Combined Total (ESER2010+Fire Facility Funds+7410A FF&amp;E)</b>		
	<b>426,332,605</b>	<b>399,877,489</b>

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

The budget and appropriation for PSB is \$239,000,000. The appropriation reflects the proceeds of the first, second and fifth bond sales and is shown in detail under Attachment 1 – Program Budget Report.

The budget for NFS is \$64,000,000. The appropriation of \$42,114,353 reflects the proceeds of the first, second, fourth and fifth bond sales and is shown in detail under Attachment 1 – Program Budget Report. Additional bond sale(s) totaling \$21,869,889 would be necessary to complete the funding for NFS.

The budget and appropriation for AWSS is \$102,400,000. The appropriation reflects the proceeds of the first, third, fourth and fifth bond sales and is shown in detail under Attachment 1 – Program Budget Report.

The budget for other costs such as the Controller’s Audit Fund, Citizens General Obligation Bond Oversight Committee, Cost of Issuance and Underwriters’ Discount is \$6,900,000. The appropriation of \$2,357,559 reflects the proceeds of the five bond sales and is shown in detail under Attachment 1 – Program Budget Report. The Appropriation decreased by \$1,001,030 from \$3,368,589 to \$2,357,559 as the underwriters discount is being tracked separate from the project use funds.

The Accountability reports for the second thru fifth bond sales are available on the ESER website at <http://www.sfearthquakesafety.org/eser-2010-reports.html>.

## Expenditures and Encumbrances

Total expenditures and encumbrances through March 31, 2015 are \$292,420,344 and \$33,332,504 respectively. The combined totals represent 84% of the appropriation of and 79 % of the budget.

The expenditures for the Fire Facility Bond Funds through March 31, 2015 are \$996,231 which represent 12% of the appropriation and budget.

The total expenditures for the PSB FF&E are \$1,646,169 and encumbrance is \$2,077,576 which represents 65% of the appropriation and the budget.

Refer to [Attachment 1 – Program Budget Report](#) for a detailed breakdown of the expenditures.

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

## ESER 2014

The ESER 2010 budget is \$400,000,000. The total approved appropriation is \$101,708,289. The following is a summary of the budget and appropriation per component:

ESER 20104 Components	Bond Report Budget	Operating Budget	Appropriation
9000A Office of Chief Medical Examiner (OCME)	\$65,000,000	\$63,895,000	\$34,142,621
9100A Traffic Control & Forensic Services Division (FSD)	\$165,000,000	\$162,195,000	\$30,317,148
9200A District Police Stations (DPS)	\$30,000,000	\$29,490,000	\$6,882,938
Neighborhood Fire Stations (NFS)	\$85,000,000	\$83,555,000	\$9,671,601
Auxiliary Water Supply System (AWSS)	\$55,000,000	\$54,065,000	\$20,000,000
Component Subtotal	\$400,000,000	\$393,200,000	\$101,014,307
Oversight, Accountability & Cost of Issuance	\$0	\$6,800,000	\$693,982
Total	\$400,000,000	\$400,000,000	\$101,708,289

The OCME budget is \$63,895,000 of which \$34,142,621 has been appropriated. Future bond sale(s) totaling \$29,752,379 would be needed to fully fund this component.

The FSD budget is \$162,195,000 of which \$30,317,148 has been appropriated. Future bond sale(s) totaling \$131,877,852 would be needed to fully fund this component.

The DPS budget is \$29,490,000 of which \$6,882,938 has been appropriated. Future bond sale(s) totaling \$22,607,062 would be needed to fully fund this component.

The NFS budget is \$83,555,000 of which \$9,671,601 has been appropriated. Future bond sale(s) totaling \$73,883,399 would be needed to fully fund this component.

The Oversight, Accountability and Cost of Issuance budget is \$6,800,000 of which \$693,982 has been appropriated.

### Expenditures and Encumbrances

Total expenditures and encumbrances through March 31, 2015 are \$26,263,900 and \$5,103,140 respectively. The combined totals represent 26% of the appropriation of and 7% of the budget. The expenditures of \$26,263,900 include \$6,011,834 in pre-bond expenditures. The expenditures also include \$696,821 for Station 48 Treasure Island, a component of the NFS funded by ESER 2014 and general funds.

Refer to [Attachment 1 – Program Budget Report](#) for a detailed breakdown of the expenditures.

## Attachments

Earthquake Safety and Emergency Response Bond Program  

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**(ESER 2010 & 2014)**

**Attachment 1 – Program Budget Report**





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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 03/31/15								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
<b>PUBLIC SAFETY BUILDING</b>								
CONSTRUCTION	<b>PUBLIC SAFETY BUILDING</b> (CESER1 PS; 7400A & 7410A )	Soft Costs	44,159,389	42,667,896		41,237,387	966,806	463,703
		Construction	193,657,140	195,851,725		183,313,249	8,468,029	4,070,447
		Project Contingency	1,183,471	480,378		0	0	480,378
		<b>Subtotal</b>	<b>239,000,000</b>	<b>239,000,000</b>	<b>0</b>	<b>224,550,636</b>	<b>9,434,835</b>	<b>5,014,528</b>
<b>NEIGHBORHOOD FIRE STATIONS</b>			239,000,000	239,000,000		224,550,635	9,434,835	5,014,529
VARIOUS	<b>FOCUSED SCOPE</b> (CESER1 FS 31, 32, 34, 35, 36, 37, 39) (Job Orders 7431A, 7432A, 7434A, 7435A, 7436A, 7437A, 7439A)	Soft Costs	2,628,813	2,233,147		2,313,874	6,511	-87,238
		Construction	9,190,145	8,327,457		7,660,913	599,531	67,013
		Construction Contingency	399,618	300,752				300,752
		<b>Subtotal</b>	<b>12,218,577</b>	<b>10,861,356</b>	<b>0</b>	<b>9,974,787</b>	<b>606,042</b>	<b>280,527</b>
PLANNING	<b>COMPREHENSIVE: STATION 44</b> (CESER1 FS38; Job Order 7438A)	Soft Costs	382,001	380,542		380,157	0	385
		Construction	1,180,620	1,000,813		1,000,813	0	0
		Construction Contingency	4,644	4,644		0		4,644
		<b>Subtotal</b>	<b>1,567,265</b>	<b>1,385,999</b>	<b>0</b>	<b>1,380,970</b>	<b>0</b>	<b>5,029</b>
PLANNING	<b>COMPREHENSIVE: STATION 36</b> (CESER1 FS27; Job Order 7427A)	Soft Costs	1,056,024	1,164,382		1,109,544	40,188	14,650
		Construction	3,462,077	4,014,665		4,014,664	0	1
		Construction Contingency	280,116	210,000		0		210,000
		<b>Subtotal</b>	<b>4,798,217</b>	<b>5,389,047</b>	<b>0</b>	<b>5,124,208</b>	<b>40,188</b>	<b>224,651</b>
PLANNING	<b>SEISMIC: STATION 5 (New 2-story)</b> (CESER1 FS40; Job Order 7440A)	Soft Costs	2,641,799	1,669,408		1,156,259	356,658	156,492
		Construction	10,313,908	0		0	0	0
		Construction Contingency	883,050	0		0		0
		<b>Subtotal</b>	<b>13,838,757</b>	<b>1,669,408</b>	<b>0</b>	<b>1,156,259</b>	<b>356,658</b>	<b>156,492</b>
PLANNING	<b>SEISMIC: STATION 9 UTILITY ISOLATION</b> (CESER1 FS41; Job Order 7441A)	Soft Costs	80,000	80,000		0	0	80,000
		Construction	96,000	96,000				96,000
		Construction Contingency	24,000	24,000				24,000
		<b>Subtotal</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>
PLANNING	<b>SEISMIC: STATION 16 (New 2-story)</b> (CESER1 FS42; Job Order 7442A)	Soft Costs	1,802,920	2,081,644		1,728,778	74,636	278,230
		Construction	6,421,770	17,841		17,841	0	0
		Construction Contingency	616,968	0		0		0
		<b>Subtotal</b>	<b>8,841,657</b>	<b>2,099,485</b>	<b>0</b>	<b>1,746,619</b>	<b>74,636</b>	<b>278,230</b>

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 03/31/15									
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance	
PLANNING	<b>NEW PIER FIRE BOAT HEADQUARTERS</b> (CESER1 FS24; Job Order 7424A)	Soft Costs	4,133,301	726,450		111,039	479,687	135,724	
		Construction	4,903,309	0		0		0	
		Project Contingency	956,525						0
		<b>Subtotal</b>	<b>9,993,136</b>	<b>726,450</b>	<b>0</b>	<b>111,039</b>	<b>479,687</b>	<b>135,724</b>	
PLANNING	<b>EQUIPMENT LOGISTICS CENTER</b> (CESER1 FS26; Job Order 7425A)	Soft Costs	589,000	17,680		8,179	0	9,501	
		Construction						0	
		Project Contingency						0	
		<b>Subtotal</b>	<b>589,000</b>	<b>17,680</b>	<b>0</b>	<b>8,179</b>	<b>0</b>	<b>9,501</b>	
PLANNING	<b>PROGRAM-WIDE SOFT COSTS &amp; PROGRAM RESERVE</b> (CESER1 FS20; CESER1 FS30 Job Orders 7420A; 7429A, 7430A)	Soft Costs	11,217,709	8,493,741		7,827,838	378,302	287,601	
		Construction						0	
		Program Reserve	735,682					0	
		<b>Subtotal</b>	<b>11,953,391</b>	<b>8,493,741</b>	<b>0</b>	<b>7,827,838</b>	<b>378,302</b>	<b>287,601</b>	
PLANNING	<b>NEIGHBORHOOD FIRE STATIONS SUMMARY</b> (CESER1 FS)	Soft Costs	24,531,567	16,846,993	0	14,635,666	1,335,982	875,345	
		Construction	35,567,829	13,456,776	0	12,694,232	599,531	163,014	
		Project Contingency	3,900,603	539,396	0	0	0	539,396	
		NFS GOB Proceeds	0	11,244,160		0	0	11,244,160	
		<b>Subtotal</b>	<b>64,000,000</b>	<b>42,087,325</b>		<b>27,329,897</b>	<b>1,935,513</b>	<b>12,821,915</b>	

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 03/31/15								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>								
<b>PRE-BOND PLANNING AND DEVELOPMENT</b>								
PLANNING	<b>Pre-Bond Planning and Development</b>							
		Soft Costs	1,316,964	1,316,964		1,316,964	0	0
		Construction	0	0		0		0
		Project Contingency						0
		<b>Subtotal</b>	<b>1,316,964</b>	<b>1,316,964</b>	<b>0</b>	<b>1,316,964</b>	<b>0</b>	<b>0</b>
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>								
Design	<b>Jones Street Tank</b>							
		Soft Costs	3,477,019	2,384,715		1,786,571	195,054	403,090
		Construction	4,225,034	4,225,034		847,305	3,377,729	0
		Project Contingency	389,445					0
		<b>Subtotal</b>	<b>8,091,498</b>	<b>6,609,749</b>	<b>0</b>	<b>2,633,876</b>	<b>3,572,783</b>	<b>403,090</b>
Design	<b>Ashbury Heights Tank</b>							
		Soft Costs	1,511,329	1,341,958		1,069,664	218,663	53,631
		Construction	3,610,805	3,610,805		3,387,754	88,051	135,000
		Project Contingency	359,657					0
		<b>Subtotal</b>	<b>5,481,791</b>	<b>4,952,763</b>	<b>0</b>	<b>4,457,418</b>	<b>306,714</b>	<b>188,631</b>
Design	<b>Twin Peaks Reservoir</b>							
		Soft Costs	1,335,194	1,226,329	0	990,022	189,070	47,237
		Construction	1,480,061	1,480,061		1,443,117	31,944	5,000
		Project Contingency	90,196					0
		<b>Subtotal</b>	<b>2,905,451</b>	<b>2,706,390</b>	<b>0</b>	<b>2,433,139</b>	<b>221,014</b>	<b>52,237</b>
PLANNING	<b>Pump Station No. 2</b>							
		Soft Costs	3,985,020	4,299,684	0	3,230,731	179,400	889,553
		Construction	10,026,842	11,000,000		0	0	11,000,000
		Project Contingency						0
		<b>Subtotal</b>	<b>14,011,862</b>	<b>15,299,684</b>	<b>0</b>	<b>3,230,731</b>	<b>179,400</b>	<b>11,889,553</b>
Design	<b>Pump Station No. 1</b>							
		Soft Costs	4,321,929	4,301,600	0	2,477,421	912,827	911,352
		Construction	8,631,700	7,847,000		0	7,847,000	0
		Project Contingency						0
		<b>Subtotal</b>	<b>12,953,629</b>	<b>12,148,600</b>	<b>0</b>	<b>2,477,421</b>	<b>8,759,827</b>	<b>911,352</b>

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 03/31/15								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
	<b>FIREFIGHTING CISTERNS</b>							
Design	<b>Contract No. 1</b>	Soft Costs	508,057	508,057		508,057	0	0
		Construction	0	0		0	0	0
		Project Contingency						0
		<b>Subtotal</b>	<b>508,057</b>	<b>508,057</b>	<b>0</b>	<b>508,057</b>	<b>0</b>	<b>0</b>
Design	<b>Contract No. 2</b>	Soft Costs	8,002,177	7,168,736	0	5,963,489	1,042,531	162,716
		Construction	26,687,886	23,020,866		10,458,556	6,562,310	6,000,000
		Project Contingency						0
		<b>Subtotal</b>	<b>34,690,064</b>	<b>30,189,602</b>	<b>0</b>	<b>16,422,045</b>	<b>7,604,841</b>	<b>6,162,716</b>
Design	<b>Contract No. 3</b>	Soft Costs	50,718	50,718		50,718	0	0
		Construction	0	0		0	0	0
		Project Contingency						0
		<b>Subtotal</b>	<b>50,718</b>	<b>50,718</b>	<b>0</b>	<b>50,718</b>	<b>0</b>	<b>0</b>
Design	<b>Contract No. 4</b>	Soft Costs	124,191	124,191		124,191	0	0
		Construction	0	0		0	0	0
		Project Contingency						0
		<b>Subtotal</b>	<b>124,191</b>	<b>124,191</b>	<b>0</b>	<b>124,191</b>	<b>0</b>	<b>0</b>

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 03/31/15								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
PRE-DESIGN	<b>FIREFIGHTING PIPES AND TUNNELS</b> <b>AWSS Modernization CIP Study</b>	Soft Costs	2,765,591	2,766,586		2,737,724	28,902	-40
		Construction	0	0		0	0	0
		Project Contingency	0					0
		<b>Subtotal</b>	<b>2,765,591</b>	<b>2,766,586</b>	<b>0</b>	<b>2,737,724</b>	<b>28,902</b>	<b>-40</b>
PLANNING	<b>Pipes/Tunnels (Projects 11 thru 19)</b>	Soft Costs	7,367,599	5,352,258		2,280,499	691,744	2,380,015
		Construction	11,748,177	879,477		179,477	0	700,000
		Project Contingency						0
		<b>Subtotal</b>	<b>19,115,776</b>	<b>6,231,735</b>	<b>0</b>	<b>2,459,976</b>	<b>691,744</b>	<b>3,080,015<sup>0</sup></b>
PLANNING	<b>Contract No. 2</b> Added to baseline budget above-->	Soft Costs		0		0	0	0
		Construction						0
		Project Contingency						0
		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
PLANNING	<b>Contract No. 3</b> Added to baseline budget above-->	Soft Costs		0		0	0	0
		Construction						0
		Project Contingency						0
		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
PLANNING	<b>CUW AWS 01</b>	Soft Costs	384,409	19,494,962	0	149,500	0	19,345,464
		Construction	0	0				0
		Project Contingency						0
		<b>Subtotal</b>	<b>384,409</b>	<b>19,494,962</b>	<b>0</b>	<b>149,500</b>	<b>0</b>	<b>19,345,464</b>
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>		Soft Costs	35,150,197	50,336,758	0	22,685,550	3,458,192	24,193,018
		Construction	66,410,505	52,063,243		16,316,210	17,907,033	17,840,000
		Project Contingency	839,298	0	0	0	0	0
		<b>Subtotal</b>	<b>102,400,000</b>	<b>102,400,000</b>	<b>0</b>	<b>39,001,760</b>	<b>21,365,225</b>	<b>42,033,018</b>

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 03/31/15								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
PRE-DESIGN	<b>FIREFIGHTING PIPES AND TUNNELS AWSS Modernization CIP Study</b>	Soft Costs	2,765,591	2,766,586		2,737,724	28,902	-40
		Construction	0	0		0	0	0
		Project Contingency	0					0
		<b>Subtotal</b>	<b>2,765,591</b>	<b>2,766,586</b>	<b>0</b>	<b>2,737,724</b>	<b>28,902</b>	<b>-40</b>
PLANNING	<b>Pipes/Tunnels (Projects 11 thru 19)</b>	Soft Costs	7,367,599	5,352,258		2,280,499	691,744	2,380,015
		Construction	11,748,177	879,477		179,477	0	700,000
		Project Contingency						0
		<b>Subtotal</b>	<b>19,115,776</b>	<b>6,231,735</b>	<b>0</b>	<b>2,459,976</b>	<b>691,744</b>	<b>3,080,015<sup>0</sup></b>
PLANNING	<b>Contract No. 2</b> Added to baseline budget above-->	Soft Costs		0		0	0	0
		Construction						0
		Project Contingency						0
		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
PLANNING	<b>Contract No. 3</b> Added to baseline budget above-->	Soft Costs		0		0	0	0
		Construction						0
		Project Contingency						0
		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
PLANNING	<b>CUW AWS 01</b>	Soft Costs	384,409	19,494,962	0	149,500	0	19,345,464
		Construction	0	0				0
		Project Contingency						0
		<b>Subtotal</b>	<b>384,409</b>	<b>19,494,962</b>	<b>0</b>	<b>149,500</b>	<b>0</b>	<b>19,345,464</b>
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>		Soft Costs	35,150,197	50,336,758	0	22,685,550	3,458,192	24,193,018
		Construction	66,410,505	52,063,243		16,316,210	17,907,033	17,840,000
		Project Contingency	839,298	0	0	0	0	0

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 03/31/15								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
<b>ESER</b>								
		Soft Costs	103,841,153	109,851,647	0	78,558,603	5,760,980	25,532,066
		Construction	295,635,475	272,615,904	0	212,323,691	26,974,592	33,317,621
		Project Contingency	5,923,371	1,019,774	0	0	0	1,019,774
		<b>Subtotal</b>	<b>405,400,000</b>	<b>383,487,325</b>	<b>0</b>	<b>290,882,294</b>	<b>32,735,573</b>	<b>59,869,461</b>
<b>BOND OVERSIGHT/ACCOUNTABILITY</b>			6,900,000	1,155,213		394,560	596,931	163,722
<b>BOND COST OF ISSUANCE</b>				1,202,346		1,143,491 <sup>(2)</sup>	0	58,855
<b>TOTAL ESER 2010 (CESER1)</b>			<b>412,300,000<sup>(3)</sup></b>	<b>385,844,884</b>	<b>0</b>	<b>292,420,345</b>	<b>33,332,504</b>	<b>60,092,038</b>

As of 04/03/15, the FAMIS fiscal month 08 2014 (March 2015), actual expenditures are \$392,260,700. The variances from the report are as follows:

(1) The transfer out to PUC AWSS is shown as actual (0935W OTO TO 5W-WATER DE)

(a) less \$39,001,760 for actuals per FAMIS Project Structure CUW AWS AW as of 04/03/15.

(b) less \$24,885 for actuals Controller's Audit Fund (CUW AWS 081C4) and CGOBOC (CUW AWS 081GO) as of 04/03/15.

(2) Bond Sale Premiums:

(a) The underwriters discount of \$211,953 was separated from the premium \$5,118,923

(b) Underwriters discount of \$211,953 is no longer being reported as a project cost

(c) The Second Bond Sale premium of \$16,898,267 (0934G)

(d) The Third Bond Sale premium of \$6,213,547 (0934G)

(e) The Fourth Bond Sale premium of \$2,606,055.70 (0934G)

(f) The Fifth Bond Sale premium of \$5,461,975.40 (0934G)

**Total (CESER1)**

	\$102,568,217
	(\$39,001,760)
	(\$24,855)
\$5,118,923	\$5,118,923
\$0	\$0
\$16,898,268	\$16,898,268
\$6,213,547	\$6,213,547
\$2,606,056	\$2,606,056
\$5,461,975	\$5,461,975
<b>\$422,143,636</b>	<b>\$392,260,700</b>

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

Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures as of 03/31/15								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
<b>OFFICE OF THE CHIEF MEDICAL EXAMINER</b>								
	OCME							
DESIGN	9000A (CESER2ME)							
		Soft Costs	17,769,350	9,775,960		5,104,746	2,002,825	2,668,389
		Construction	44,430,000	1,329,563		922,708	109,438	297,417
		Project Contingency	1,695,650	23,037,098				23,037,098
		Subtotal	63,895,000	34,142,621	0	6,027,454	2,112,263	26,002,904
<b>TRAFFIC CONTROL &amp; FORENSIC SERVICES DIVISION</b>								
	TC&FSD							
DESIGN	9100A (CESER2TC)							
		Soft Costs	58,849,009	28,093,173		17,761,957	96,468	10,234,748
		Construction	103,345,991	0		0	0	0
		Project Contingency	0	2,223,975				2,223,975
		Subtotal	162,195,000	30,317,148	0	17,761,957	96,468	12,458,723
<b>DISTRICT POLICE STATIONS</b>								
	DPS							
DESIGN	9200A (CESER2PD)							
		Soft Costs	29,490,000 <sup>(1)</sup>	6,882,938		45,708	250,682	6,586,548
		Construction	0	0		0	0	0
		Project Contingency	0	0				0
		Subtotal	29,490,000	6,882,938	0	45,708	250,682	6,586,548
<b>NEIGHBORHOOD FIRE STATIONS</b>								
	NFS							
DESIGN	9500A - 9699A (CESER2FS)							
		Soft Costs	83,555,000 <sup>(1)</sup>	9,671,601		1,368,212	1,644,348	6,659,041
		Construction	0	0		0	0	0
		Project Contingency	0	0				0
		Subtotal	83,555,000	9,671,601	0	1,368,212	1,644,348	6,659,041

(1) Soft Costs and Construction Costs will be determined once the projects are identified.



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

Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures as of 03/31/15								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>								
<b>PRE-BOND PLANNING AND DEVELOPMENT</b>								
PROGRAM	<b>Pre-Bond Planning and Development</b>							
		Soft Costs	935,000	0		0	0	0
		Construction	0	0		0	0	0
		Project Contingency						0
		<b>Subtotal</b>	<b>935,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>								
<b>Twin Peaks Reservoir - ESER 2014</b>								
Construction	CUWAW2AW23	Soft Costs	50,000	50,000	0	0	0	50,000
		Construction	682,000	682,000	0	638,090	43,910	0
		Project Contingency	50,000	50,000				50,000
		<b>Subtotal</b>	<b>782,000</b>	<b>782,000</b>	<b>0</b>	<b>638,090</b>	<b>43,910</b>	<b>100,000</b>
Planning	<b>ESER 2014 Assessments</b>							
	CUWAW2AW30	Soft Costs	1,200,000	1,127,295	0	62,440	589,548	475,308
		Construction			0	0	0	0
		Project Contingency						
		<b>Subtotal</b>	<b>1,200,000</b>	<b>1,127,295</b>	<b>0</b>	<b>62,440</b>	<b>589,548</b>	<b>475,308</b>
Design	<b>Candlestick Point Pipeline</b>							
	CUWAW2AW31	Soft Costs	0	0	0	0	0	0
		Construction	1,000,000	1,000,000	0	0	365,921	634,079
		Project Contingency						0
		<b>Subtotal</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>365,921</b>	<b>634,079</b>
Design	<b>19th Avenue Pipeline</b>							
	CUWAW2AW32	Soft Costs	662,000	140,000	0	410	0	139,591
		Construction	1,838,000		0			
		Project Contingency						
		<b>Subtotal</b>	<b>2,500,000</b>	<b>140,000</b>	<b>0</b>	<b>410</b>	<b>0</b>	<b>139,591</b>
Design	<b>Irving St Pipeline</b>							
	CUWAW2AW33	Soft Costs	1,456,000	287,600	0	797	0	286,803
		Construction	4,044,000		0			
		Project Contingency						
		<b>Subtotal</b>	<b>5,500,000</b>	<b>287,600</b>	<b>0</b>	<b>797</b>	<b>0</b>	<b>286,803</b>
PROGRAM	<b>CUWAW200</b>							
		Soft Costs	10,770,750	16,663,105	0	0	0	16,663,105
		Construction	28,003,950	0	0			
		Project Contingency	4,308,300	0				0
		<b>Subtotal</b>	<b>43,083,000</b>	<b>16,663,105</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,663,105</b>
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>								
		Soft Costs	15,073,750	18,268,000	0	63,646	589,548	17,614,807
		Construction	35,567,950	1,682,000	0	638,090	409,831	634,079
		Project Contingency	4,358,300	50,000	0	0	0	50,000
		<b>Subtotal</b>	<b>55,000,000</b>	<b>20,000,000</b>	<b>0</b>	<b>701,736</b>	<b>999,379</b>	<b>18,298,886</b>

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

Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures as of 03/31/15								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
<b>ESER</b>								
		Soft Costs	204,737,109	72,691,671		24,344,268	4,583,871	43,763,533
		Construction	183,343,941	3,011,563		1,560,798	519,269	931,496
		Project Contingency	6,053,950	25,311,073		0	0	25,311,073
		<b>Subtotal</b>	<b>394,135,000</b>	<b>101,014,307</b>	<b>0</b>	<b>25,905,066</b>	<b>5,103,140</b>	<b>70,006,102</b>
<b>BOND OVERSIGHT/ACCOUNTABILITY</b>			5,865,000	693,982		358,834	0	335,148
<b>TOTAL ESER 2014 (CESER2)</b>			<b>400,000,000</b>	<b>101,708,289</b>		<b>26,263,900</b>	<b>5,103,140</b>	<b>70,341,250</b>

# Earthquake Safety and Emergency Response Bond Program

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(ESER 2010 & 2014)

## Attachment 2 – Timeline and Schedule







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			
				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.	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
March 31, 2015																																							
<b>PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>																																							
<b>PRE-BOND PLANNING AND DEVELOPMENT</b>																																							
Original/Baseline Budget	1,316,963	07/01/09	12/31/10	1,316,963																																			
Current/Approved	1,316,964	07/01/09	12/31/10	1,316,964																																			
Current/Projected	1,316,964	07/01/09	12/31/10	1,316,964																																			
Actual	1,316,964	07/01/09	12/31/10	1,316,964																																			
<b>AWSS JONES STREET TANK</b>																																							
Original/Baseline Budget	8,091,500	08/01/11	01/27/12	181,300				882,302				7,027,896																											
		01/30/12	04/19/13					Design				Construction																											
		04/22/13	05/27/16																																				
Current/Approved	8,091,498																																						
Current/Projected	8,091,498																																						
Actual																																							
<b>AWSS ASHBURY HEIGHTS TANK</b>																																							
Original/Baseline Budget	5,481,791	07/25/11	02/29/12	147,500				1,012,191				4,322,100																											
		02/29/12	04/19/13					Design				Construction																											
		04/22/13	05/27/16																																				
Current/Approved	5,481,791																																						
Current/Projected	5,481,791																																						
Actual																																							
<b>AWSS TWIN PEAKS RESERVOIR</b>																																							
Original/Baseline Budget	2,905,451	06/01/11	01/27/12	203,600				732,247				1,969,604																											
		01/30/12	04/19/13					Design				Construction																											
		04/22/13	05/27/16																																				
Current/Approved	2,905,451																																						
Current/Projected	2,905,451																																						
Actual																																							
<b>AWSS PUMP STATION NO. 2</b>																																							
Original/Baseline Budget	7,011,862	7/25/2011	9/25/2012	810,869				2,734,685																10,466,308															
		9/26/2012	5/14/2015					Design																Construction															
		5/15/2015	9/26/2016																																				
Current/Approved	14,011,862																																						
Current/Projected	14,011,862																																						
Actual																																							

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			
		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.	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
AWSS PUMP STATION NO. 1 Original/Baseline Budget	10,453,628	7/25/2011	1/31/2012					133,708	Planning					1,781,025	Design					11,038,896	Construction																		
Current/Approved	12,953,629																																						
Current/Projected	12,953,629																																						
Actual																																							
FIREFIGHTING CISTERNS - CONTRACT NO. 1 Original/Baseline Budget	508,350	7/8/2011	1/30/2012					62,860	Planning					445,197	Design																								
Current/Approved	508,057																																						
Current/Projected	508,057																																						
Actual																																							
FIREFIGHTING CISTERNS - CONTRACT NO. 2 Original/Baseline Budget	34,538,945	1/30/2012	4/15/2015											3,877,210	Design					30,812,854	Construction																		
Current/Approved	34,690,064																																						
Current/Projected	34,690,064																																						
Actual																																							
FIREFIGHTING CISTERNS - CONTRACT NO. 3 Original/Baseline Budget	51,047	7/2/2012	9/27/2012											50,718	Design																								
Current/Approved	50,718																																						
Current/Projected	50,718																																						
Actual																																							
FIREFIGHTING CISTERNS - CONTRACT NO. 4 Original/Baseline Budget	124,402	7/2/2012	7/19/2013											124,191	Design																								
Current/Approved	124,191																																						
Current/Projected	124,191																																						
Actual																																							



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

EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM  
Timeline and Schedule

Description	BUDGET	Schedule Start   Completion		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																																											
				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																																									
				1st Qtr. 9/30/10	2nd Qtr. 12/31/10	3rd Qtr. 3/31/11	4th Qtr. 6/30/11	1st Qtr. 9/30/11	2nd Qtr. 12/31/11	3rd Qtr. 3/31/12	4th Qtr. 6/30/12	1st Qtr. 9/30/12	2nd Qtr. 12/31/12	3rd Qtr. 3/31/13	4th Qtr. 6/30/13	1st Qtr. 9/30/13	2nd Qtr. 12/31/13	3rd Qtr. 3/31/14	4th Qtr. 6/30/14	1st Qtr. 9/30/14	2nd Qtr. 12/31/14	3rd Qtr. 3/31/15	4th Qtr. 6/30/15	1st Qtr. 9/30/15	2nd Qtr. 12/31/15	3rd Qtr. 3/31/16	4th Qtr. 6/30/16	1st Qtr. 9/30/16	2nd Qtr. 12/31/16	3rd Qtr. 3/31/17	4th Qtr. 6/30/17	1st Qtr. 9/30/17	2nd Qtr. 12/31/17	3rd Qtr. 3/31/18	4th Qtr. 6/30/18	1st Qtr. 9/30/18	2nd Qtr. 12/31/18	3rd Qtr. 3/31/19	4th Qtr. 6/30/19																																								
March 31, 2015																																																																															
FIREFIGHTING PIPES AND TUNNELS - AWSS MODERNIZATION CIP STUDY																																																																															
Original/Baseline Budget	3,000,000	5/2/2011	6/30/2014																																	2,765,591				Planning																																							
Current/Approved	2,765,591																																																																														
Current/Projected	2,765,591																																																																														
Actual																																																																															
FIREFIGHTING PIPES AND TUNNELS (Projects 11-19)																																																																															
Original/Baseline Budget	28,615,775	10/3/2011	10/30/2015																																	1,542,376				Planning				3,562,601				Design				14,010,799				Construction																							
		4/1/2014	7/19/2016																																																																												
		5/1/2015	9/26/2018																																																																												
Current/Approved	19,115,776																																																																														
Current/Projected	19,115,776																																																																														
Actual																																																																															
CUW AWS 01																																																																															
Original/Baseline Budget	300,286	1/1/2011	9/26/2018																																	384,409																																											
Current/Approved	384,409																																																																														
Current/Projected	384,409																																																																														
Actual																																																																															
AUXILIARY WATER SUPPLY SYSTEM (AWSS) SUB-TOTAL																																																																															
Original/Baseline Budget	102,400,000																																																																														
Current/Approved	102,400,000																																																																														
Current/Projected	102,400,000																																																																														
Actual																																																																															



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

## Attachment 3 – Contact Information



San Francisco Public Works | City and County of San Francisco | Building Design and Construction | Project Management  
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Public Utilities Commission

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