

# Neighborhood Fire Stations: Focused Scope Projects Update Presentation to the SF Fire Commission

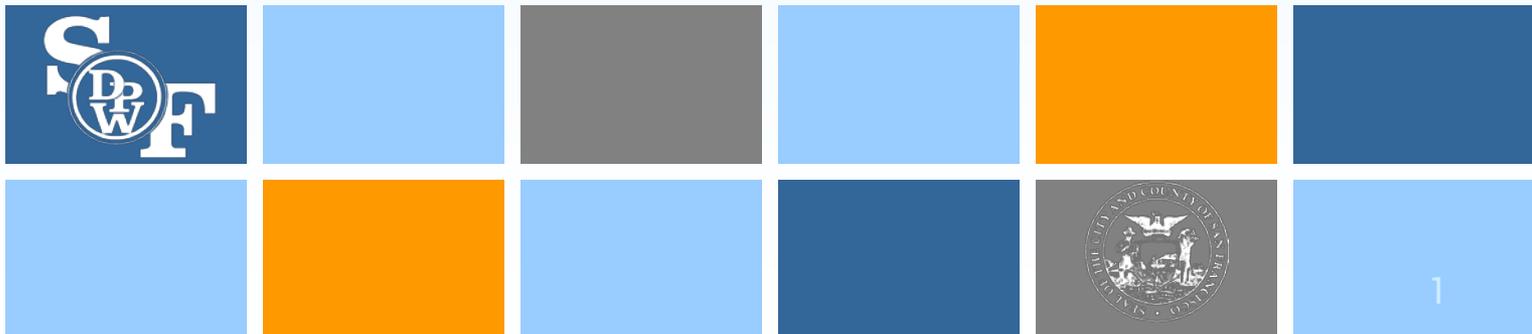
April 26, 2012

## Agenda:

- Project Scope
- Program Budget
- Schedule Update



## EARTHQUAKE SAFETY AND EMERGENCY RESPONSE BOND



# Earthquake Safety & Emergency Response (ESER 1) Bond



Earthquake Safety & Emergency Response Bond

## **\$412.3M General Obligation Bond Authorized in June 2010 with approval by 79.4% of voters**

- **Neighborhood Fire Stations** **\$65.1**
- **Auxiliary Water Supply System** **\$104.2**
- **Public Safety Building (includes  
Mission Bay Fire Station)** **\$243.0**

# Neighborhood Fire Stations Concurrent Renovation Strategies



Earthquake Safety & Emergency Response Bond

## **Focused Scope Program**

- Correct severe deficiencies of selected building components
- Assure station functionality for 8-10 years

## **Comprehensive Renovation Program**

- Correct all deficiencies pertaining to emergency response and health and safety issues
- Renovate, renew, or replace major building systems to assure station functionality of at least 15 years

## **Seismic Improvement Program**

- Improve seismic performance to conform with current building codes
- Complete a comprehensive renovation as described above

# Neighborhood Fire Stations

## Key Facilities Components



Earthquake Safety & Emergency Response Bond

### A. Structural System

### B. Emergency Response Components

- Emergency generators
- Building egress and access
  - Apparatus doors
  - Driveways and walkways
  - Front door access

### C. Health and Safety Components

- Water intrusion
  - Roofs
  - Windows
  - Showers
  - Exterior walls
- Heating and ventilating systems

#### Facility Component

#### *Condition Ratings*

(assigned by A/E assessment):

- Severe: Failure imminent
- Serious: Impaired operability
- Moderate: Minor deterioration

# Neighborhood Fire Stations Pre- Bond Development Process



Earthquake Safety & Emergency Response Bond

## Pre-Bond Site Surveys

- Preparation for Ballot Measure
- Raw Data Collection
- Order of Magnitude Assessment
- Further refinement required post-Bond
- Project scope to be identified post-Bond

Station No.	Seismic	Summary ER & HS Priority	Emergency Response				Health & Safety				
	Seismic Improvement Priority		Emergency Generators	Building Egress & Access			Water Intrusion			Food Prep	Heating/Ventilation Systems
				Apparatus Doors	Driveways &	Front Door	Roofs	Windows	Shower Pans		
1	High	Medium	OK	OK	Serious	N/A	Serious	Serious	OK	Moderate	Moderate
2		Medium	OK	Moderate	Moderate	N/A	Moderate	Serious	OK	Serious	OK
3	Low	Medium	OK	OK	Moderate	Serious	Severe	OK	OK	Serious	OK
4											
5	High	Medium	OK	OK	Moderate	OK	Severe	OK	Severe	OK	Moderate
6		High	Serious	Serious	OK	N/A	Severe	Serious	Serious	Serious	OK
7		Medium	OK	OK	OK	N/A	Serious	OK	Moderate	Moderate	OK
8		Medium	OK	OK	OK	Serious	OK	Serious	OK	OK	OK
9	High	Medium	OK	OK	OK	Serious	Serious	Serious	OK	OK	OK
10	High	High	OK	Moderate	Serious	N/A	Moderate	Moderate	Severe	Serious	Serious
11		Medium	OK	OK	OK	OK	OK	OK	Severe	OK	OK
12	Medium	Medium	Serious	OK	OK	N/A	Serious	Moderate	Moderate	Moderate	OK
13	High	Low	OK	OK	OK	OK	Serious	OK	OK	OK	OK
14		Low	OK	OK	OK	OK	OK	OK	OK	OK	OK
15		High	Severe	OK	OK	Serious	Serious	Serious	Severe	Moderate	Serious
16	High	Low	Moderate	OK	OK	OK	Serious	OK	OK	OK	Moderate
17	Low	High	OK	OK	OK	OK	Severe	OK	Severe	OK	Serious
18		High	Moderate	OK	Moderate	N/A	Severe	Severe	OK	OK	Serious
19		Medium	Serious	N/A	OK	OK	N/A	Serious	N/A	N/A	N/A
20	High	Medium	Moderate	Serious	OK	N/A	Serious	Serious	Serious	Moderate	Moderate
21		Low	Serious	OK	OK	N/A	Moderate	Moderate	OK	OK	OK
22	High	High	Moderate	Serious	Moderate	N/A	Severe	Serious	Serious	Serious	OK
23		High	OK	OK	OK	N/A	Serious	Severe	Serious	Moderate	Serious
24		Low	Moderate	OK	OK	N/A	Serious	Moderate	OK	OK	OK
25		Medium	OK	OK	Serious	N/A	Moderate	Serious	Moderate	N/A	OK
26	Medium	Medium	Serious	OK	OK	N/A	Severe	OK	Moderate	Moderate	Moderate
27											
28	Low	Low	OK	OK	OK	OK	OK	OK	OK	OK	Moderate
29		Low	Moderate	OK	Moderate	N/A	Moderate	Moderate	Moderate	OK	Moderate
30											
31		Medium	OK	OK	OK	OK	Severe	Severe	OK	OK	OK
32		High	OK	Moderate	Serious	N/A	Severe	Serious	OK	OK	OK
33		Low	Moderate	Moderate	OK	N/A	Moderate	Moderate	Moderate	Moderate	OK
34		Medium	OK	OK	Serious	N/A	Moderate	Serious	Moderate	OK	Moderate
35	High										
36		High	OK	OK	OK	OK	Serious	Severe	Severe	OK	OK
37		High	Serious	OK	Serious	N/A	OK	Severe	Severe	Moderate	Moderate
38		High	OK	OK	OK	OK	Severe	Serious	Serious	Moderate	Moderate
39											
40		Medium	OK	OK	OK	OK	Moderate	OK	Severe	OK	OK
41		Medium	OK	OK	OK	N/A	Moderate	Moderate	Severe	Moderate	Moderate
42		Medium	Moderate	OK	OK	N/A	Severe	Moderate	OK	Moderate	Moderate
43	High	High	OK	Moderate	OK	N/A	Severe	Moderate	Serious	Serious	Serious
44		High					Severe	Serious	Serious		
48											
ATF	High	High	N/A	Serious	Serious	N/A	Serious	Moderate	OK	Moderate	Severe
DOT		Low	N/A	OK	N/A	N/A	Moderate	Moderate	N/A	N/A	N/A
BOE	High	High	N/A	Serious	Moderate	N/A	Severe	Severe	Severe	Severe	Severe

# Neighborhood Fire Stations Project Development Process



Earthquake Safety & Emergency Response Bond

## Post Bond Site Analysis and Scope Selection

- Facilities condition and operational priorities evaluated
  - Division, Battalion, and Neighborhood Stations
  - Best coverage City-wide
- Pre-Design Detailed Site Assessments
- SFFD, DPW and Consultant Team
- Reporting, Analysis, Recommendations, Scope Selection

## Stations 43 and 9

- Seismic Analysis Findings

## Bi- Weekly Meetings

- SFFD, DPW and Consultant Team

## Monthly Reports

- Project Updates
- Financial Updates

# Neighborhood Fire Stations Program Budget



## Earthquake Safety & Emergency Response Bond

SCOPE OF WORK	PROGRAM BUDGET		FUNDING		
	Preliminary <sup>1</sup>	Accepted by SFFD	ESER1 Bonds	Other Funds	Total
<b>PRELIMINARY SCOPE OF WORK</b>					
<b>Focused Scope: 18 Stations Total</b>					
Group 1: Stations 6, 13, 28, 38, 41, 42					
Group 2: Stations 10 (Alt.), 15, 17, 18, 26 (Alt.), 32 (Alt.), 40, 44					
Group 2: Stations 2, 10, 15, 17, 18, 26, 31, 32, 40					
Station 44 (Temporary Relocation)					
Stations 12, 21 Generators only					
<b>Focused Scope Total</b>	<b>4,100,000</b>	<b>15,370,000</b>	<b>15,370,000</b>		<b>15,370,000</b>
<b>Comprehensive</b>					
Station 2 (moved to Focused Scope)	4,000,000	0			
Station 31 (Alt.) (moved to Focused Scope)	0	0			
Station 36	3,000,000	4,100,000	4,100,000		4,100,000
<b>Seismic</b>					
Station 5 (Replacement Station)	7,000,000	10,800,000	10,800,000		10,800,000
Station 22	5,000,000	0	0		0
Station 9 Utility Isolation	0	200,000	200,000		200,000
Station 16 (Replacement Station)	0	8,400,000	8,400,000		8,400,000
Station 43	9,000,000	0	0		0
<b>New Pier Fire Boat Station<sup>2</sup></b>	<b>20,000,000</b>	<b>27,170,000</b>	<b>19,541,000</b>	<b>7,629,000</b>	<b>27,170,000</b>
<b>Equipment Logistics Center</b>	<b>13,000,000</b>	<b>2,589,000</b>	<b>2,589,000</b>		<b>2,589,000</b>
<b>Program Reserve</b>		<b>3,000,000</b>	<b>3,000,000</b>		<b>3,000,000</b>
<b>Cost of Finance, GOBOC, Audit</b>		<b>1,100,000</b>	<b>1,100,000</b>		<b>1,100,000</b>
<b>Fire Boat Station Slab Replacement <sup>2</sup></b>		<b>200,000</b>		<b>200,000</b>	<b>200,000</b>
<b>Fire Station 1 Equipment<sup>2</sup></b>		<b>300,000</b>		<b>300,000</b>	<b>300,000</b>
<b>ESER NFS PROGRAM BUDGET TOTAL</b>	<b>65,100,000</b>	<b>73,229,000<sup>2</sup></b>	<b>65,100,000</b>	<b>8,129,000</b>	<b>73,229,000</b>

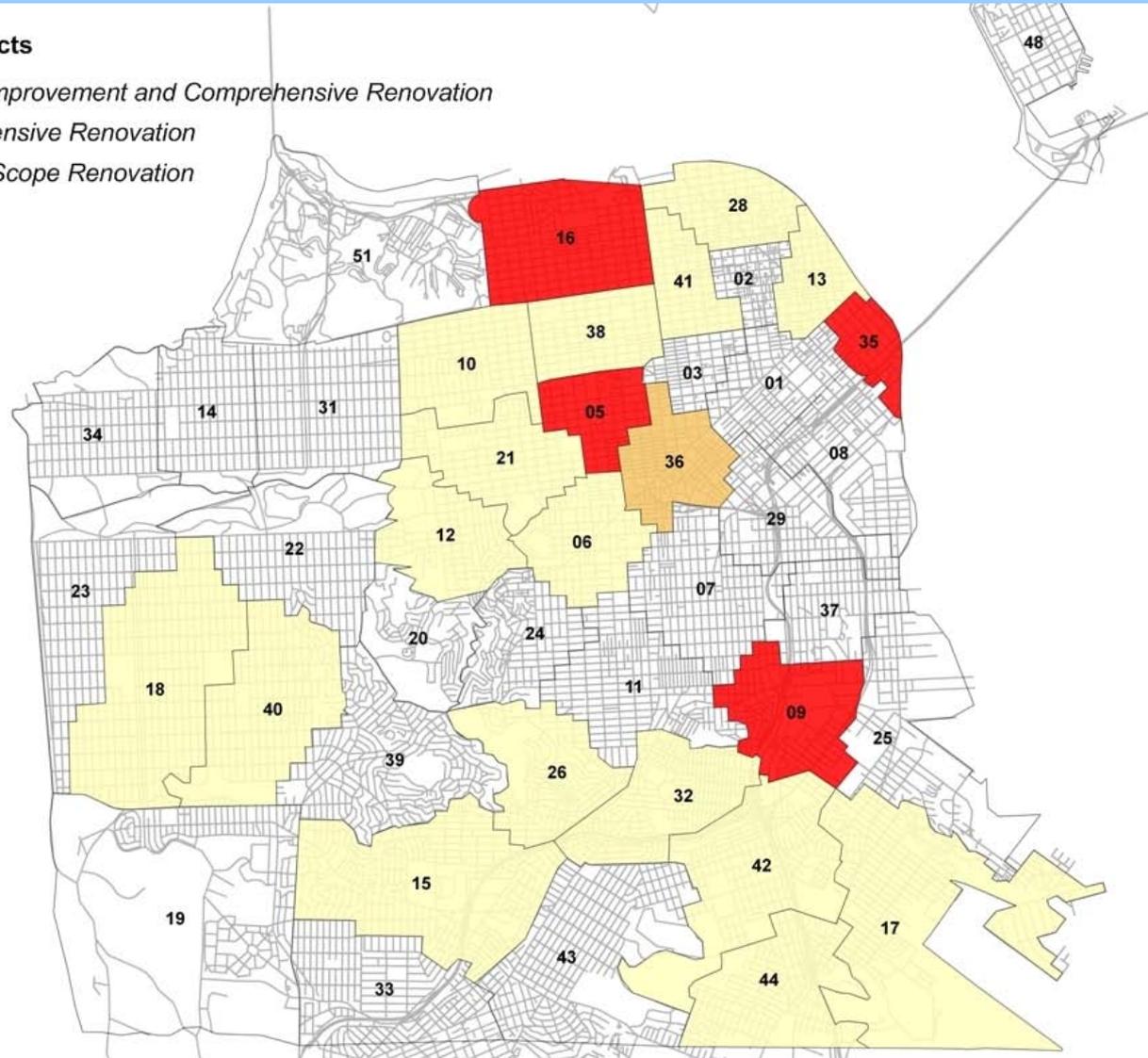
# Neighborhood Fire Stations Project Locations



Earthquake Safety & Emergency Response Bond

## Fire Station Projects

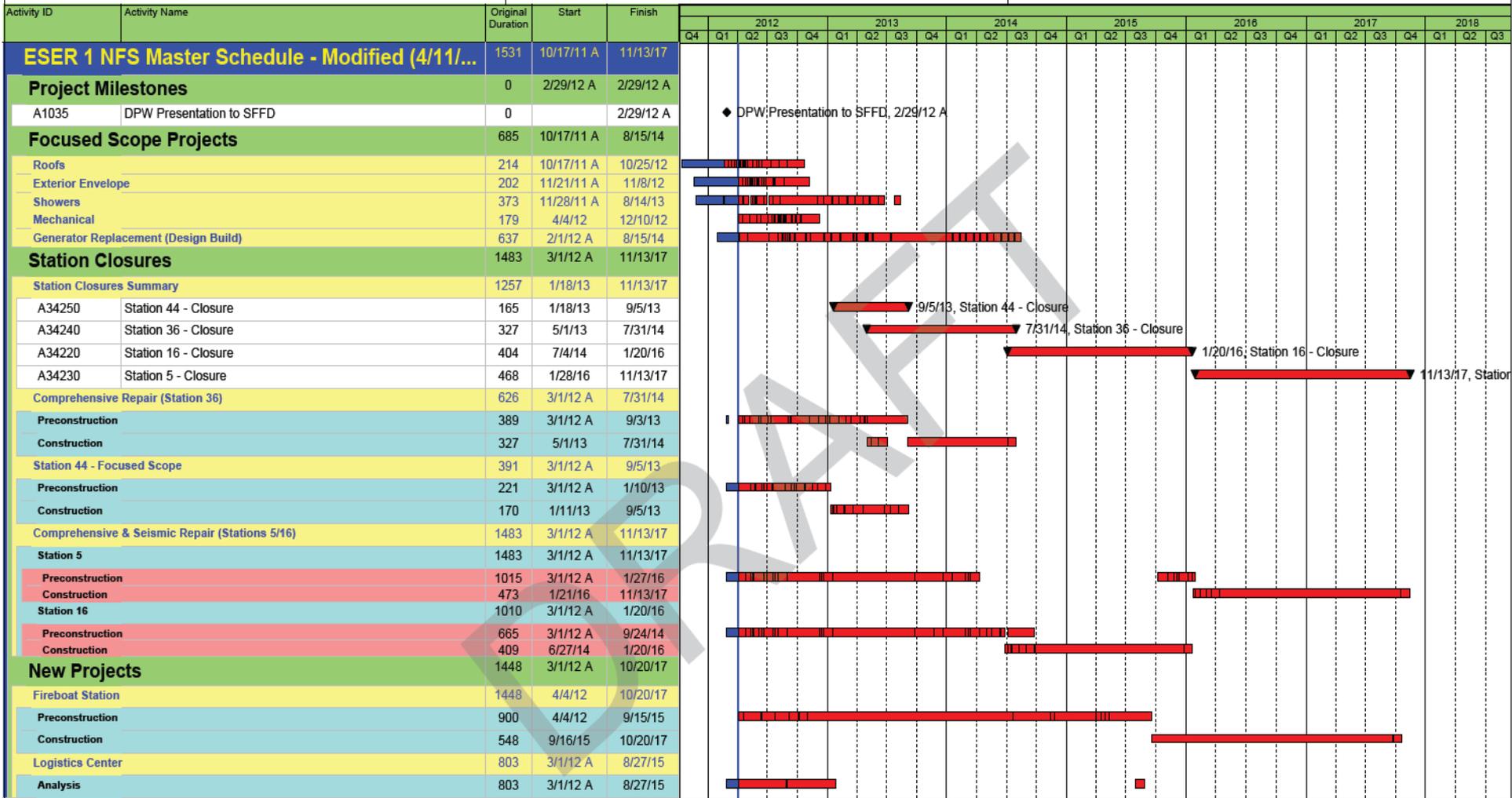
-  *Seismic Improvement and Comprehensive Renovation*
-  *Comprehensive Renovation*
-  *Focused Scope Renovation*



# Neighborhood Fire Stations Project Locations



## Earthquake Safety & Emergency Response Bond





## Questions - Discussion

