Agenda Item 5

ESER Program Update
Earthquake Safety and Emergency Response (ESER) General Obligation Bond Programs

Presentation to the Capital Planning Committee

January 25, 2016

Agenda

- ESER 2010 and ESER 2014 Financial Status
- Fire Department
- Police Department
  - Public Safety Building
  - Traffic Company & Forensic Service Division
  - Police Facilities
- Medical Examiner
- Auxiliary Water Supply System
ESER 2010 & 2014 Financials – Savings

$10.9M ESER 2010 funds available for reallocation from the savings of PSB & Cost of Issuance plus the interest-earned.

- **ESER 2010**, $2.3M is proposed to fund NFS Additional Focused Scope projects.
- **ESER 2014**, the NFS budget is reduced by $2.3. The impact to the combined budget of NFS 2010 and 2014 is net zero; the $2.3M is proposed to increase OCME’s budget.
- **$8.6M** is the savings to be allocated to other ESER 2010 projects.

<table>
<thead>
<tr>
<th>Public Safety Building</th>
<th>1.7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost of Issuance</td>
<td>2.6</td>
</tr>
<tr>
<td>Controller's Reserve</td>
<td>2.3</td>
</tr>
<tr>
<td>Interest-earned</td>
<td>4.3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>10.9</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OCME</th>
<th>(2.3)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td><strong>8.6</strong></td>
</tr>
</tbody>
</table>
### ESER 2010 & 2014 Financials – Updated Budget

**Notes:**
(A) Other Sources include: 1992 Fire Facility Bond Funds $8.3M; PSB Developer Contribution $6.4M and General Funds $7.2M (PSB FF&E $5.7M & NFS Station 48 $1.5M).
(B) Per Ordinance 60-15, the ESER 2010 PSB’s budget was reduced by $2.3M and was placed on Controller’s Reserve. Current PSB’s forecast shows an additional savings of $1.7M.
(C) The NFS 2010 Budget increased by $2.3M. The NFS 2014 Budget decreased by $2.3M. The combined NFS 2010 & 2014 budget remained at $157.4M.
(D) ESER 2014 OCME’s budget increased by $2.3M and it is funded from the NFS 2014 budget reduction.
(E) The ESER 2010 COI’s forecast shows a savings of $2.6M.
(F) The ESER 2010 funds available for reallocation total $6.6 (Controller’s Reserve of $2.3 and $4.3 interest-earned).

<table>
<thead>
<tr>
<th>Uses</th>
<th>ESER 2010 Original Budget</th>
<th>ESER 2010 Updated Budget</th>
<th>ESER 2014 Original Budget</th>
<th>ESER 2014 Updated Budget</th>
<th>Savings/ (Overage)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Safety Building</td>
<td>236.7</td>
<td>248.7</td>
<td>235.0</td>
<td>247.1</td>
<td>1.7</td>
<td>(B) Complete</td>
</tr>
<tr>
<td>Neighborhood Fire Stations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Focused Scope</td>
<td>12.2</td>
<td>19.8</td>
<td>10.6</td>
<td>18.2</td>
<td>1.6</td>
<td>Complete</td>
</tr>
<tr>
<td>Additional Focused Scope</td>
<td>11.3</td>
<td>11.3</td>
<td>2.3</td>
<td>11.3</td>
<td>0.0</td>
<td>Construction</td>
</tr>
<tr>
<td>Comprehensive Renovation</td>
<td>6.4</td>
<td>10.5</td>
<td>7.0</td>
<td>11.2</td>
<td>(0.7)</td>
<td>Not started</td>
</tr>
<tr>
<td>Seismic Upgrades</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Complete</td>
</tr>
<tr>
<td>Station 5</td>
<td>13.8</td>
<td>13.8</td>
<td>18.7</td>
<td>18.7</td>
<td>(4.8)</td>
<td>75% CDs</td>
</tr>
<tr>
<td>Station 16</td>
<td>8.8</td>
<td>8.8</td>
<td>11.5</td>
<td>11.5</td>
<td>(2.7)</td>
<td>95% CDs</td>
</tr>
<tr>
<td>Station 35, Pier Strengthening &amp; CEQA</td>
<td>10.0</td>
<td>18.3</td>
<td>0.7</td>
<td>1.7</td>
<td>16.6</td>
<td>CEQA</td>
</tr>
<tr>
<td>Station 35</td>
<td>30.6</td>
<td>30.6</td>
<td>30.6</td>
<td>37.8</td>
<td>(7.3)</td>
<td></td>
</tr>
<tr>
<td>Station 35 Pier 26</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Station 48 Treasure Island</td>
<td>1.5</td>
<td>3.0</td>
<td>1.5</td>
<td>3.0</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Other Seismic Work</td>
<td>0.8</td>
<td>7.7</td>
<td>0.2</td>
<td>7.1</td>
<td>0.6</td>
<td></td>
</tr>
<tr>
<td>EMS HQ Planning</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Project Controls</td>
<td>11.2</td>
<td>21.1</td>
<td>11.3</td>
<td>21.2</td>
<td>(0.1)</td>
<td></td>
</tr>
<tr>
<td>Reserve</td>
<td>0.7</td>
<td>9.9</td>
<td>3.9</td>
<td>13.1</td>
<td>(3.2)</td>
<td></td>
</tr>
<tr>
<td>Neighborhood Fire Stations Total</td>
<td>64.0</td>
<td>83.6</td>
<td>66.3</td>
<td>157.4</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Office of the Chief Medical Examiner</td>
<td>63.9</td>
<td>63.9</td>
<td>66.2</td>
<td>66.2</td>
<td>(2.3)</td>
<td></td>
</tr>
<tr>
<td>Traffic Company &amp; Forensic Services</td>
<td>162.2</td>
<td>162.2</td>
<td>162.2</td>
<td>162.2</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Police Facilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Focused Scope</td>
<td>6.4</td>
<td>6.4</td>
<td>6.4</td>
<td>6.4</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Comprehensive</td>
<td>9.1</td>
<td>9.1</td>
<td>9.1</td>
<td>9.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Project Controls</td>
<td>9.5</td>
<td>9.5</td>
<td>9.5</td>
<td>9.5</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Reserve</td>
<td>4.5</td>
<td>4.5</td>
<td>4.5</td>
<td>4.5</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Police Facilities Total</td>
<td>0.0</td>
<td>29.5</td>
<td>0.0</td>
<td>29.5</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Auxiliary Water Supply System</td>
<td>102.4</td>
<td>156.5</td>
<td>102.4</td>
<td>156.5</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Oversight, Accountability, Issuance Costs</td>
<td>6.9</td>
<td>13.7</td>
<td>4.3</td>
<td>11.1</td>
<td>2.6</td>
<td></td>
</tr>
<tr>
<td>Controller’s Reserve (Ordinance 60-15)</td>
<td>2.3</td>
<td>6.6</td>
<td>2.3</td>
<td>6.6</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>412.3</td>
<td>838.5</td>
<td>410.4</td>
<td>836.6</td>
<td>1.9</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Status</th>
<th>ESER 2010</th>
<th>ESER 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Construction</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Not started</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Pre-Design</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Completed</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Not started</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>CEQA</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>In progress</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>In progress</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>In progress</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Not started</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Notes:
(A) Other Sources include: 1992 Fire Facility Bond Funds $8.3M; PSB Developer Contribution $6.4M and General Funds $7.2M (PSB FF&E $5.7M & NFS Station 48 $1.5M).
(B) Per Ordinance 60-15, the ESER 2010 PSB’s budget was reduced by $2.3M and was placed on Controller’s Reserve. Current PSB’s forecast shows an additional savings of $1.7M.
(C) The NFS 2010 Budget increased by $2.3M. The NFS 2014 Budget decreased by $2.3M. The combined NFS 2010 & 2014 budget remained at $157.4M.
(D) ESER 2014 OCME’s budget increased by $2.3M and it is funded from the NFS 2014 budget reduction.
(E) The ESER 2010 COI’s forecast shows a savings of $2.6M.
(F) The ESER 2010 funds available for reallocation total $6.6 (Controller’s Reserve of $2.3 and $4.3 interest-earned).
# ESER 2010 & 2014 Financials - Expenditures

<table>
<thead>
<tr>
<th>Uses</th>
<th>ESER 2010 Interest</th>
<th>ESER 2014</th>
<th>Other Sources (A)</th>
<th>Total</th>
<th>ESER 2010 Interest</th>
<th>ESER 2014</th>
<th>Other Sources (A)</th>
<th>Total</th>
<th>Balance</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Safety Building</td>
<td>236.7</td>
<td></td>
<td>12.1</td>
<td>248.7</td>
<td>235.6</td>
<td>7.4</td>
<td>0.0</td>
<td>243.0</td>
<td>5.8</td>
<td>98%</td>
</tr>
<tr>
<td>Neighborhood Fire Stations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Focused Scope</td>
<td>12.2</td>
<td>7.6</td>
<td>0.0</td>
<td>19.8</td>
<td>10.7</td>
<td>1.2</td>
<td>0.0</td>
<td>11.9</td>
<td>7.9</td>
<td>60%</td>
</tr>
<tr>
<td>Additional Focused Scope</td>
<td>11.3</td>
<td></td>
<td>0.0</td>
<td>11.3</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>11.3</td>
<td>0%</td>
</tr>
<tr>
<td>Comprehensive Renovation</td>
<td>6.4</td>
<td>4.1</td>
<td>0.0</td>
<td>10.5</td>
<td>6.8</td>
<td>0.0</td>
<td>0.0</td>
<td>6.8</td>
<td>3.7</td>
<td>65%</td>
</tr>
<tr>
<td>Seismic Upgrades</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Station 5</td>
<td>13.8</td>
<td></td>
<td>0.0</td>
<td>13.8</td>
<td>2.3</td>
<td>0.0</td>
<td>2.3</td>
<td>11.5</td>
<td>17%</td>
<td></td>
</tr>
<tr>
<td>Station 16</td>
<td>8.8</td>
<td></td>
<td>0.0</td>
<td>8.8</td>
<td>2.3</td>
<td>0.0</td>
<td>2.3</td>
<td>6.6</td>
<td>26%</td>
<td></td>
</tr>
<tr>
<td>Station 35, Pier Strengthening &amp; CEQA</td>
<td>10.0</td>
<td></td>
<td>8.3</td>
<td>18.3</td>
<td>0.7</td>
<td>1.0</td>
<td>1.7</td>
<td>16.6</td>
<td>9%</td>
<td></td>
</tr>
<tr>
<td>Station 35</td>
<td>30.6</td>
<td></td>
<td>0.0</td>
<td>30.6</td>
<td>0.0</td>
<td>0.4</td>
<td>0.4</td>
<td>30.2</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>Station 35 Pier 26</td>
<td>2.0</td>
<td></td>
<td>0.0</td>
<td>2.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>2.0</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Station 48 Treasure Island</td>
<td>1.5</td>
<td>1.5</td>
<td>3.0</td>
<td></td>
<td>1.4</td>
<td>1.5</td>
<td>2.9</td>
<td>16.6</td>
<td>9%</td>
<td></td>
</tr>
<tr>
<td>Other Seismic Work</td>
<td>0.8</td>
<td></td>
<td>0.0</td>
<td>7.7</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>7.7</td>
<td>0%</td>
</tr>
<tr>
<td>EMS HQ Planning</td>
<td>0.6</td>
<td></td>
<td>0.0</td>
<td>0.6</td>
<td>0.0</td>
<td>0.5</td>
<td>0.5</td>
<td>0.7</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Project Controls</td>
<td>11.2</td>
<td>9.9</td>
<td>0.0</td>
<td>21.1</td>
<td>9.2</td>
<td>1.6</td>
<td>0.0</td>
<td>10.8</td>
<td>10.3</td>
<td>51%</td>
</tr>
<tr>
<td>Reserve</td>
<td>0.7</td>
<td>9.1</td>
<td>0.0</td>
<td>9.9</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>9.9</td>
<td>0%</td>
</tr>
<tr>
<td>Neighborhood Fire Stations Total</td>
<td>64.0</td>
<td></td>
<td>83.6</td>
<td>157.4</td>
<td>32.0</td>
<td>4.7</td>
<td>2.9</td>
<td>39.6</td>
<td>117.8</td>
<td>25%</td>
</tr>
<tr>
<td>Office of the Chief Medical Examiner</td>
<td>63.9</td>
<td></td>
<td>0.0</td>
<td>63.9</td>
<td>28.7</td>
<td>0.0</td>
<td>28.7</td>
<td>35.2</td>
<td>45%</td>
<td></td>
</tr>
<tr>
<td>Traffic Company &amp; Forensic Services Division</td>
<td>162.2</td>
<td></td>
<td>0.0</td>
<td>162.2</td>
<td>21.5</td>
<td>0.0</td>
<td>21.5</td>
<td>140.7</td>
<td>13%</td>
<td></td>
</tr>
<tr>
<td>Police Facilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Focused Scope</td>
<td>6.4</td>
<td></td>
<td>0.0</td>
<td>6.4</td>
<td>0.3</td>
<td>0.0</td>
<td>0.3</td>
<td>6.1</td>
<td>4%</td>
<td></td>
</tr>
<tr>
<td>Comprehensive</td>
<td>9.1</td>
<td></td>
<td>0.0</td>
<td>9.1</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>9.1</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Project Controls</td>
<td>9.5</td>
<td></td>
<td>0.0</td>
<td>9.5</td>
<td>1.5</td>
<td>0.0</td>
<td>1.5</td>
<td>8.0</td>
<td>15%</td>
<td></td>
</tr>
<tr>
<td>Reserve</td>
<td>4.5</td>
<td></td>
<td>0.0</td>
<td>4.5</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>4.5</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Police Facilities Total</td>
<td>0.0</td>
<td></td>
<td>29.5</td>
<td>0.0</td>
<td>0.0</td>
<td>1.7</td>
<td>0.0</td>
<td>1.7</td>
<td>27.8</td>
<td>6%</td>
</tr>
<tr>
<td>Auxiliary Water Supply System</td>
<td>102.4</td>
<td></td>
<td>54.1</td>
<td>156.5</td>
<td>69.5</td>
<td>3.0</td>
<td>72.5</td>
<td>83.9</td>
<td>46%</td>
<td></td>
</tr>
<tr>
<td>Oversight, Accountability, Issuance Costs</td>
<td>6.9</td>
<td></td>
<td>6.8</td>
<td>13.7</td>
<td>3.5</td>
<td>1.1</td>
<td>4.6</td>
<td>9.1</td>
<td>34%</td>
<td></td>
</tr>
<tr>
<td>Controller’s Reserve (Ordinance 60-15)</td>
<td>2.3</td>
<td></td>
<td>4.3</td>
<td>0.0</td>
<td>6.6</td>
<td></td>
<td></td>
<td></td>
<td>6.6</td>
<td>0%</td>
</tr>
<tr>
<td>Total (Millions)</td>
<td>412.3</td>
<td>400.0</td>
<td>21.9</td>
<td>838.5</td>
<td>340.7</td>
<td>60.7</td>
<td>10.2</td>
<td>411.6</td>
<td>425.0</td>
<td>49%</td>
</tr>
</tbody>
</table>

Notes:
(A) Other Sources include: 1992 Fire Facility Bond Funds $8.3M; PSB Developer Contribution $6.4M and General Funds $7.2M (PSB FF&E $5.7M & NFS Station 48 $1.5M).
**Factors Contributing to Need Cost Increases**

1. 2009 Cost Estimate ROM – rough-order of magnitude- condition surveys performed
2. 2014 Cost Estimate is re-informed by:
   - Targeted in-depth conditions’ assessment
   - Actual Cost of work executed
   - Escalation correction
3. Future estimate is driven by escalation of balance forward from mid-point of construction of the ESER 2020 bond
ESER 2010: Neighborhood Fire Stations

Focused Scope projects completed

Station 12 – Emergency Generator
Station 10 – Exterior Envelope
Station 17 – Exterior Envelope
Station 26 – Shower Renovation
Station 2 – Exterior Envelope
ESER Neighborhood Fire Stations Need Summary

### ESER 2010
**Neighborhood Fire Stations**

*Focused Scope*
- Roof Replacement
- Shower Renovation
- Window Replacement
- Mechanical/Plumbing
- Exterior Envelope
- Electrical/Emergency Generator
- Sidewalk Repair
- Miscellaneous
- Comprehensive Renovation
- Seismic Upgrades

**Confirmed projects in ESER 2010 Bond:**
- Stations
  - 2, 6, 10, 13, 15, 17, 18, 26, 28, 31, 32, 38, 40, 41, 42
  - 6, 13, 15, 18, 26, 38, 40, 41
  - 2, 6, 17, 25, 26, 28, 31, 32, 38, 40, 41, 42
  - 2, 6, 10, 13, 15, 17, 18, 26, 28, 31, 32, 38, 40, 41, 42
  - 2, 6, 10, 13, 15, 17, 18, 26, 28, 31, 32, 38, 40, 41, 42, 49
  - 6, 12, 15, 17, 21
  - 10
  - Pier 26 (berthing)
  - 44, 36
  - 5, 16, 35 (CEQA), 9 (Utility Isolation); 43 reclassified to low priority

### ESER 2014
**Neighborhood Fire Stations**

*Focused Scope*
- Roof Replacement
- Shower Renovation
- Window Replacement
- Exterior Envelope
- Mechanical/Plumbing
- Electrical/Emergency Generator
- Sidewalk Repairs
- Apparatus Bay Doors
- Security Access
- Vehicle Exhaust
- Comprehensive
- Seismic Upgrades
- Other Seismic Improvements
- EMS HQ planning

**Proposed projects in ESER 2014 Bond:**
- Stations
  - 3, 7, 9, 11, 12, 20, 23, 29, 40, 43, 49
  - 13, 17, 20, 22, 33, 34
  - 7, 8, 9, 19, 20, 21, 22, 24, 25, 29, 34
  - 8, 11, 20, 22, 23, 24, 29, 34
  - 3, 7, 8, 9, 14, 20, 22, 23, 41, 43, 49
  - 3, 19, 31, 39
  - 13, 31
  - 34 stations
  - All Stations
  - Stations TBD
  - 3 or 7
  - 35, 48
  - 25 (retrofit); 20 (retrofit); 11, 15, 21 (hose tower removal)

**Legend:**
- **Completed**
- **In Progress**
- **Inclusion in 2014 Bond pending scoping analysis**
- **Pending work for future bond(s)**

Page 8
## ESER Neighborhood Fire Stations Need Summary

### Balance of Need

**Focused Scope**
- Roof Replacement
- Shower Renovation
- Window Replacement
- Exterior Envelope
- Mechanical/Plumbing
- Electrical/Emergency Generators
- Sidewalk Repairs
- Apparatus Bay Doors
- Security Access

**Comprehensive**

**Seismic Upgrades**

### Not included in ESER bond to date:

- Up to 18 stations
- Up to 31 stations
- Up to 21 stations
- Up to 20 stations
- Up to 18 stations
- Up to 35 stations
- Up to 41 stations
- Up to 10 stations
- TBD
- TBD pending continuing seismic evaluations
- Up to 34 stations

---

**Legend:**
- **Completed**
- **In Progress**
- **Inclusion in 2014 Bond pending scoping analysis**
- **Pending work for future bond(s)**
ESER 2010: Neighborhood Fire Stations

Scope
• **Focused Scope:** **Roofs:** 15 of 15 stations completed; **Windows:** 12 of 12 stations completed; **Exterior Envelope:** 16 of 16 completed; **Generators:** 4 complete; 1 in close out (of 5 stations); **Showers:** 8 of 8 stations completed; **Mechanical:** 15 of 15 stations completed.
• **Comprehensive:** 2 of 2 stations completed. Station 36 is on track to achieve LEED Gold for Commercial Interiors certification.
• **Seismic:** Whole station replacements: FS 5 - Western Addition & FS 16 – Marina/Cow Hollow underway.

Schedule
• **Focused Scope:** Completion extended to Dec. 2015 to address generator permitting requirements
• **Comprehensive:** Stations 36 and 44 work is complete
• **Seismic:** Station 16 re-design complete and submitted to DBI; Station 5 Construction Documents 90% complete; Station 35 moved under ESER 2014.

Challenges, Risks
• Potential of protests to the Stations 5 and 16 building permits.
ESER 2014: Neighborhood Fire Stations

Scope
The ESER 2014 bond program will 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 at all stations not addressed under *ESER 2010*.

- **Facilities Conditions Assessment**
  - Existing building assessments and recommendations for 21 stations not evaluated as part of ESER 2010 scope including site, exterior building envelope, interior health and safety conditions, and MEP systems and associated cost estimates were completed.
  - Structural assessments were completed for 6 stations.
  - Page and Turnbull, the historic consultant, has completed analysis of 18 stations, and completed the first round of reporting and DPR forms for submission to Planning.

Schedule
See next slide

Risks, Challenges

- Bidding climate in 2016 and subsequently
- Station 35: Multiple jurisdictions and approvals are required. New fireboat scheduled to arrive in Spring 2016 requires temporary berthing location—proposed at adjacent P26
ESER 2014: Neighborhood Fire Stations

Project List (Proposed):
- **Seismic Improvement**: Stations 35, 6, 25; hose tower only 11, 15, 21
- **Comprehensive Renovation**: Station 3 or 7
- **Focused Scope**: Stations 8, 9, 11, 12, 14, 19, 20, 21, 22, 23, 24, 25, 29, 33, 34, 37, 39, 43, 49; Pier 26 (berthing)

**Schedule**

<table>
<thead>
<tr>
<th>Early Focused Scope Projects</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roof Replacement/Repairs (FS 3, 17, 40)</td>
<td>Q1</td>
<td>Q2</td>
</tr>
<tr>
<td>Exterior Envelope (FS 11, 20)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows Repairs (FS 8, 9, 19, 20, 21, 25, 29)</td>
<td>Q1</td>
<td></td>
</tr>
<tr>
<td>Shower Renovations (FS 13, 17, 20, 22, 34)</td>
<td></td>
<td>Q1</td>
</tr>
<tr>
<td>Sidewalk Repairs (FS 13)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Design

Construction
SFFD Major Capital Projects

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Year 2016</th>
<th>Year 2017</th>
<th>Year 2018</th>
<th>Year 2019</th>
<th>Year 2020</th>
<th>Year 2021</th>
<th>Year 2022</th>
<th>Year 2023</th>
<th>Year 2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Station 35 (Pier 22 1/4) (ESER 2014 Funded/NFS $92M)</td>
<td>$40M</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMS (FS 9 @ 2245 Jerrold Ave.) (DPH 2016 Bond Funded)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$44M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOE (1415 Evans Ave.) (ESER 2020 Funded/NFS $100M)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$22M</td>
</tr>
<tr>
<td>Training Facility (TBD) (TBD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMS Staging Depot (Fark Merced) (Developer Funded)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$165M</td>
</tr>
<tr>
<td>Fire Station 43 (Treasure Island) (Developer Funded)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$TBD</td>
<td></td>
</tr>
<tr>
<td>Fire Station XX (Candlestick) (General Fund)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$TBD</td>
</tr>
<tr>
<td>Fire Station XX (Hunters Point) (General Fund)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$TBD</td>
</tr>
</tbody>
</table>
ESER 2010: Public Safety Building
ESER 2010: Public Safety Building

Scope
• Project Completed!

Schedule
• Building Inauguration – April 16, 2015; Substantial Completion - April 28, 2015;
• Final Completion expected March 2016

Challenges, Risks
• Project Closeout by March 2016
ESER 2014: Traffic Company/Forensic Services Division

Scope
• Relocation of FSD from seismically unsafe HOJ and from Hunter’s Point Shipyard to site at 1995 Evans at Toland
• 105,000 sf Replacement Facility - 85,000 sf FSD and 20,000 sf TC with 2-level City Fleet Parking Structure
• First application of BOS approved Revised Chapter 6 allowance of design-build core major trades within CM/GC

Schedule
• Selected A/E Design Team on November 13, 2014 – HOK Architects, San Francisco
• Selected CMSS on September 18, 2015 – Vanir CM, San Francisco
• Programming Phase currently underway
• Construction Start - Spring 2017
• Building Inauguration - Fall 2019

Challenges, Risks
• Bidding Climate in 2017
• Acquisition of adjacent CalTrans parcel
• Additional $11.9M required for Special Equipment (FF&E)
ESER 2014: District Police Stations

Scope

• The ESER 2014 bond program will mirror the categorization of projects adopted by the NFS projects in the categories of Focused Scope and Comprehensive projects. The goals are to improve public access, and building systems, structural, and envelope deficiencies that would compromise operations.

• Facilities Conditions Assessment
  
  • Existing building assessments and recommendations for all 12 facilities including accessibility, site, exterior building envelope, structural, and MEP systems and associated cost estimates were completed.
  
  • Historic Resource Evaluation report for all 12 facilities completed by Page and Turnbull in November 2015.

• Hazardous Material Investigation
  
  • Field works and sample collection for all 12 facilities completed in December 2015 by EnviroSurvey, Inc.
  
  • Final reports for all 12 facilities to be completed by February 2016.
ESER 2014 Police Facilities Projects

Focused Scope
ADA - Public Access

Site Repairs
Exterior Envelope
Roof Replacement
Mechanical/Plumbing
Electrical/Emergency Generators

Comprehensive

Proposed Project Sites in ESER 2014 Bond

Stations
Bayview, Ingleside, Mission, Northern, Park, Richmond, Taraval, Tenderloin, Police Academy, Central

Site Repairs
Park (Drainage Repairs)

Exterior Envelope
Ingleside, Park, Golden Gate Stables

Roof Replacement
Ingleside

Mechanical/Plumbing
Bayview, Ingleside, Richmond, Taraval, Tenderloin, Pistol Range

Electrical/Emergency Generators
Bayview, Ingleside, Richmond, Taraval, Tenderloin, Pistol Range

Mission, Northern, Park, Police Academy, Golden Gate Stables

Legend:
- **Completed**
- **In Progress**
- **Inclusion in 2014 Bond pending scoping analysis**
- **Pending work for future bond(s)**
ESER 2014: District Police Stations

Schedule
• Design and Construction Projects underway:
  • ADA Upgrade Package 1 (Bayview, Mission, Tenderloin, Central, Northern)
  • ADA Upgrade Package 2 (Ingleside, Park, Richmond, Taraval, Police Academy)
  • Northern Station Comprehensive Renovation

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Q2</td>
<td>Q3</td>
<td>Q4</td>
</tr>
<tr>
<td>ADA Package 1</td>
<td>4</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>ADA Package 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northern Station Comprehensive Renovation</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Challenges, Risks
• Maintaining SFPD operational efficiency during construction
• Bidding climate in 2016 and subsequently
ESER 2014: Medical Examiner

Scope
• Two-story building, 46,000 GSF, for 50 employees
• Autopsy, Laboratory, Field Investigations, Body Storage, Administration
• LEED Gold

Schedule
• A/E Design Team – KMD Architects - NTP January 7, 2015
• CM/GC – Clark Construction – NTP January 29, 2015
• Construction Management Supplemental Services (CMSS) – Vanir – NTP on July 25, 2015
• Complete Design - October 2015
• Start Construction - November 2015
• Complete Construction – August 2017
• Building Inauguration - September 2017

Challenges, Risks
• Complete buyout of trade packages within the established budgets
  • Bid Package #1 - 10/2/2015 - (demolition and earthwork) - $1.20M budget vs. $660K bids ($540K below the budget)
  • Bid Package #2 – 10/23/2015 – (piles, concrete, structural steel, methane barrier) – $5.80M budget vs. $5.84M bids ($40K above the budget)
  • Remaining Bid Packages’ direct construction cost budget amount - $27.9M; bidding on 1/26/2016
ESER 2010 and ESER 2014: Auxiliary Water Supply System

- Dorchester Way & Ulloa Street cistern
- Jones Street Tank, new piping and walkway
- Pumping Station 1, new ventilation equipment with new engine exhausts in background
ESER 2010 and ESER 2014: Auxiliary Water Supply System

Scope
- **Planning Study** – AWSS reliability assessment and improvement recommendations
- **Reservoir** – Pipe and valve replacements
- **Tanks (2)** – Ashbury replacement; Jones Street seismic strengthening
- **Pump Stations (2)** – PS1 new engines; PS2 seismic strengthening
- **Cisterns (30)** – New cisterns in southern and western portions of the City
- **Pipe & Tunnel (9)** – Various improvements; pipeline assessment
- **ESER 2014 (14)** – Various pipeline and Flexible Water Supply System improvements

Schedule
- **Planning Study** – Completed 2014
- **Reservoir** – Completion February 2016
- **Tanks** – Completion February 2016
- **Pump Stations** – PS1 completion May 2016; PS2 completion 2018
- **Pipe & Tunnel** – Completion varies by project; overall completion 2018
- **Cisterns** – 18 cisterns functional; completion of approximately 12 additional cisterns by 2017
- **ESER 2014** – Completion varies by project; overall completion 2021

Budget – ESER 2010 $102.4M, ESER 2014 $54M
- **Planning Study** - $2.9M
- **Reservoir** - $2.9M
- **Tanks** – $13.6M
- **Pump Stations** - $27M
- **Cisterns** - $35.4M
- **Pipe & Tunnel** - $19.1M
- **ESER 2014 Pipe & FWSS** - $54M
- **Administrative** - $1.5M