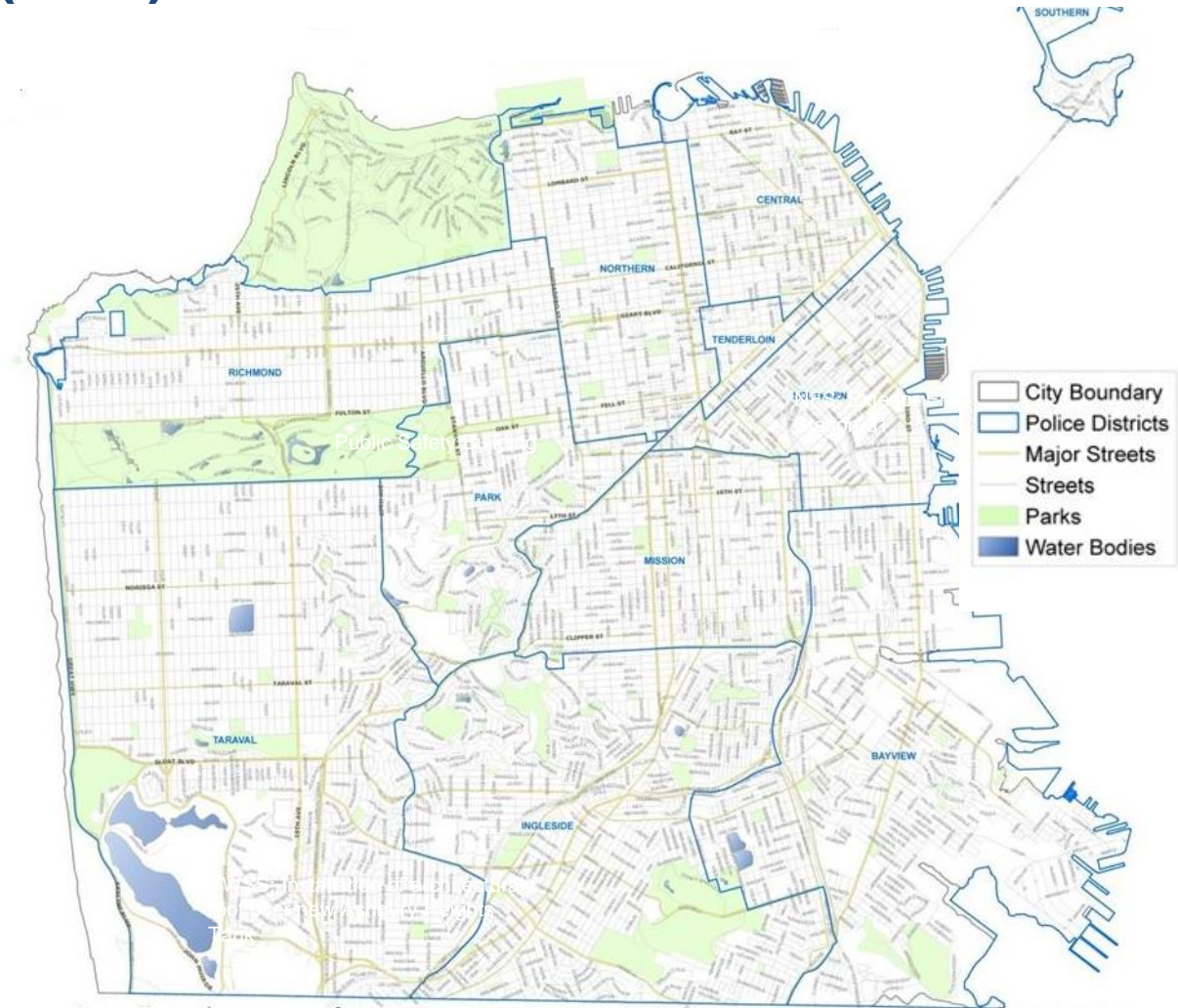


Earthquake Safety & Emergency Response General Obligation (G.O.) Bond ESER 2020

Presentation to
SF Police Commission
October 14, 2020

Agenda

1. Capital Plan
2. ESER Legacy & 2020
3. Seismic Status of Facilities
4. Facility Design Standards
5. ESER 2020 Bond Projects



FY20-29 Capital Plan – www.onesanfrancisco.org

G.O. Bond Program – Earthquake Safety & Emergency Response (ESER)

TABLE 1.5

| G.O. Bond Program (Dollars in Millions) | | |
|--|--|--------------|
| Election Date | Bond Program | Amount |
| Nov 2019 | Affordable Housing | 500 |
| → Mar 2020 | Earthquake Safety & Emergency Response | 628.5 |
| Nov 2020 | Parks & Open Space | 255 |
| Jun 2022 | Transportation | 500 |
| Nov 2023 | Public Health | 220 |
| Nov 2026 | Waterfront Safety | 150 |
| → Nov 2027 | Earthquake Safety & Emergency Response | 271.5 |
| Nov 2028 | Parks & Open Space | 200 |
| Total | | 2,725 |

Source: [The City and County of San Francisco Capital Plan, Fiscal Years 2020-2029](#)

ESER Legacy – www.sfearthquakesafety.org

ESER 2010 – \$412.3 million General Obligation Bond authorized in June 2010 with approval by 79.4% of voters

- **Public Safety Building** **\$243 million**
- Auxiliary Water Supply System \$104.2 million
- Neighborhood Fire Stations \$65.1 million

ESER 2014 – \$400 million General Obligation Bond authorized in June 2014 with approval by 79.0% of voters

- **Traffic Company and Forensic Services Division** **\$165 million**
- Neighborhood Fire Stations \$85 million
- Office of the Chief Medical Examiner \$65 million
- Emergency Firefighting Water System \$55 million
- **District Police Stations and Infrastructure** **\$30 million**



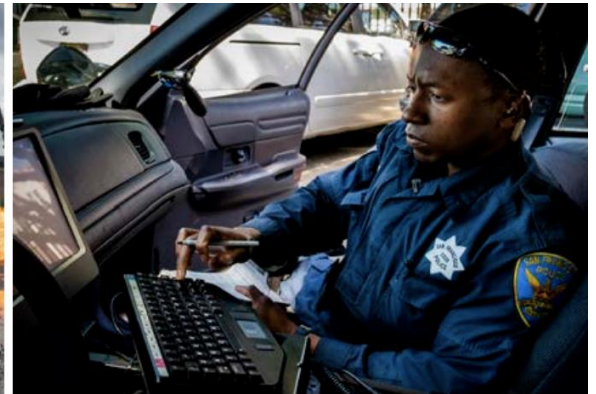
Services of the San Francisco Public Utilities Commission



Earthquake Safety & Emergency Response G.O. Bond Program

ESER 2020 – \$628.5 million G.O. bond approved by 81% of San Francisco voters in March 2020

- Emergency Firefighting Water System \$153.5 million
- Neighborhood Fire Stations and Support Facilities \$275 million
- **District Police Stations and Support Facilities** **\$121 million**
- Disaster Response Facilities \$70 million
- 9-1-1 Call Center \$9 million



District Police Stations & Support Facilities

Structural Hazard Rating (SHR) of Existing Facilities

| Facility | SHR Level * |
|---------------------|-------------|
| Richmond | 3 |
| Park | 3 |
| Central | 3 |
| Taraval | 4 |
| Northern | 3 |
| Tenderloin | 3 |
| Ingleside | 4 |
| Mission | 3 |
| Bayview | 3 |
| Golden Gate Stables | 3 |
| Lake Merced Range | 3 |
| Police Academy | 3 |

* Performance objective is based on BSE-1N, which is an earthquake equivalent to the Loma Prieta Earthquake

| ASCE 41 Structural Performance Level at BSE-1N | SHR | SHR Description |
|--|-----|--|
| Immediate Occupancy (I.O.) | 1 | Negligible damage (very good performance). Minimal to no disruption to the building's function. Damage is so minor or negligible, that repair is not necessary. |
| | | Minor damage (good performance). Some structural or nonstructural damage and/or falling hazards may occur, but these would pose minimal life hazards to occupants. The damage can be repaired while the building is occupied and with minimum disruptions to functions. Buildings and structures with this rating represent an acceptable level of earthquake safety, and funds need not be spent to improve their seismic resistance to gain greater life safety. |
| Damage Control | 2 | Moderate damage (fair performance). Structural and nonstructural damage and/or falling hazards are anticipated which would pose low life hazards to occupants. The damage can be repaired while the building is occupied. Buildings and structures with this rating will be given a low priority for expenditures to improve seismic performance and/or falling hazards to the "good performance" level. |
| | | Major damage (poor performance). Structural and nonstructural damage are anticipated which would pose appreciable life hazards to occupants. The building has to be vacated during repairs, or possibly cannot be repaired due to the extent and/or economic considerations. Buildings and structures with this rating will be given a high priority for expenditures to improve seismic performance and/or falling hazards to the "good performance" level, or would be considered for other abatement programs such as reduction of occupancy. |
| Life-Safety (L.S.) | 3 | Partial/total collapse (very poor performance). Extensive structural and nonstructural damage, potential structural collapse and/or falling hazards are anticipated which would pose high life-safety hazards to occupants. There is a high likelihood that damage repairs would not be feasible. Buildings and structures with this rating will be given the highest priority for expenditures to improve seismic performance and/or falling hazards to the "good performance" level, or would be considered for other abatement programs such as reduction of occupancy or vacation. |
| Limited Safety | | |
| Collapse Prevention (C.P.) | 4 | |
| | | |

Public Safety Building - Police HQ and District Station - is the only SHR 1 among police stations and facilities

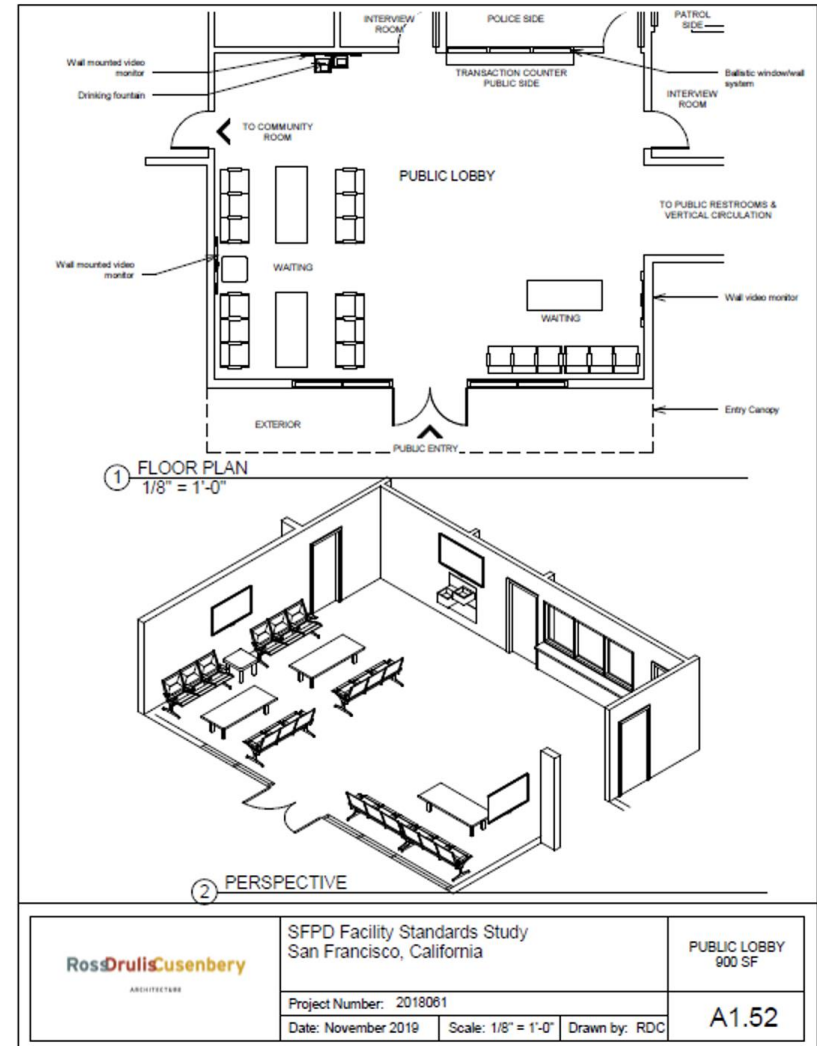
District Police Stations & Support Facilities

SFPD Facility Design Standards (2020)

Standards developed with SFPD that will provide the basis of design for prospective ESER 2020 projects.

Elements of Report

1. Program Requirements
2. Space Standards
3. General Design Guidelines
4. Site Design Criteria
5. Architectural Criteria
6. Security Guidelines
7. Room Data Sheets
8. Structural Design Criteria
9. Mechanical, Electrical, Low Voltage & Fire/Life Safety Systems



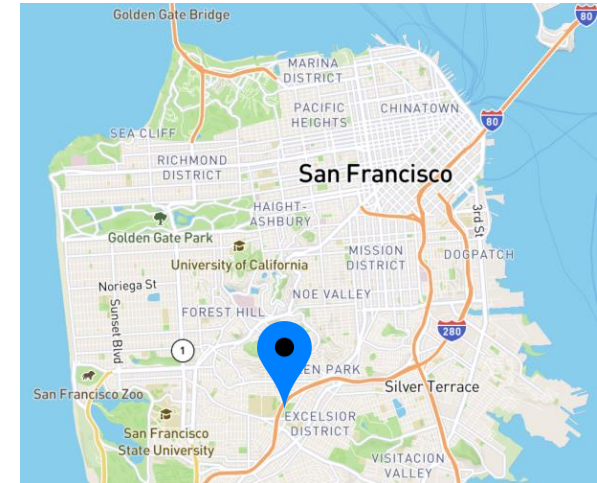
District Police Stations & Support Facilities

Ingleside Police Station Replacement

Date Built: 1910
Retrofitted: 1990

Proposed Project Budget: \$77,450,000

- Located in Balboa Park (District 11)
- Existing facility is a collapse hazard
- New 2-story Building: ~28,250 SF
 - 11,840 SF increase (By SFPD Design Standards, the project target area: 34,000 SF)
- Can meet needs of 21st century police facility
- On-Site Parking Spaces: 27



District Police Stations & Support Facilities

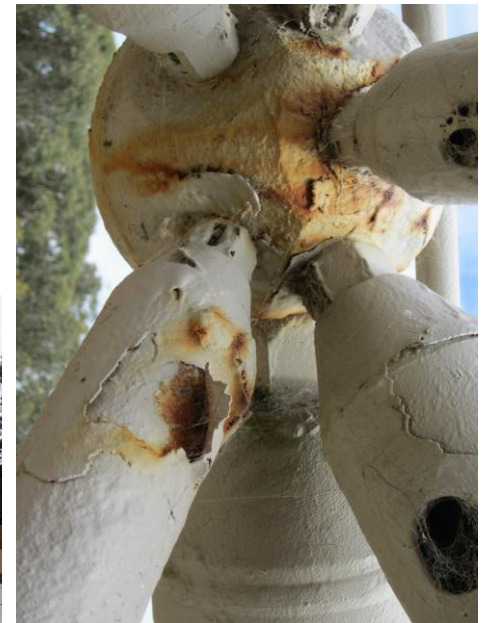
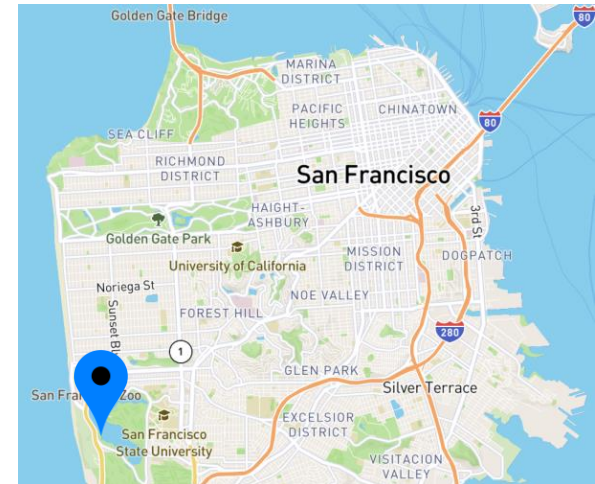
Lake Merced Pistol Range Replacement

Date Built: 1943; Rebuilt: 1991

Last Repair of Trusses: April 2020

Proposed Project Budget: \$24,000,000

- Located along Lake Merced (District 7)
- Existing trusses are near collapse
- Replacement of exterior firing range
- New Enclosed Range: ~28,120 SF
- Maintain existing 25 lane count
- Accessibility Upgrade to administrative and classroom wing.



District Police Stations & Support Facilities

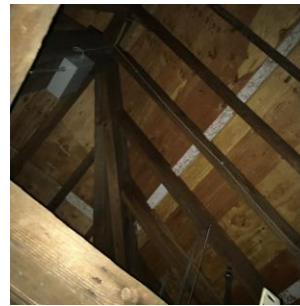
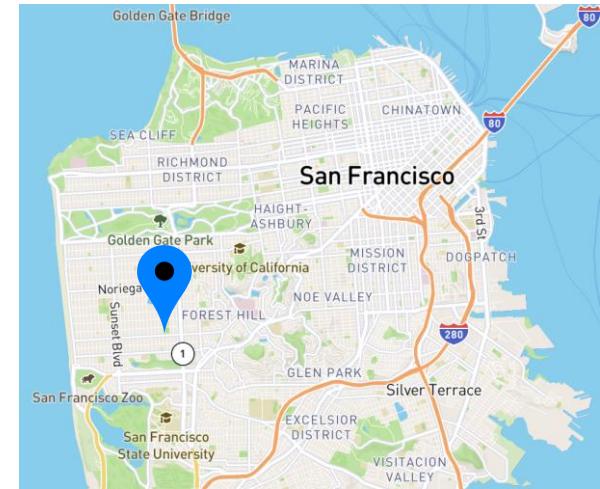
Taraval Police Station Seismic Upgrades

Date Built: 1929

Last Retrofit: 1992

Proposed Project Budget: \$6,000,000

- Located in Parkside Neighborhood (District 4)
- Upgrade to **Seismic Hazard Rating (SHR) 3**
- Life-Safety Seismic Upgrades:
 - Strengthening exterior walls
 - Strengthening existing moment frame connections
- Existing Total Building Area Unchanged: 16,100 SF
(By SFPD Design Standards, the project target area: 22,025 GSF)

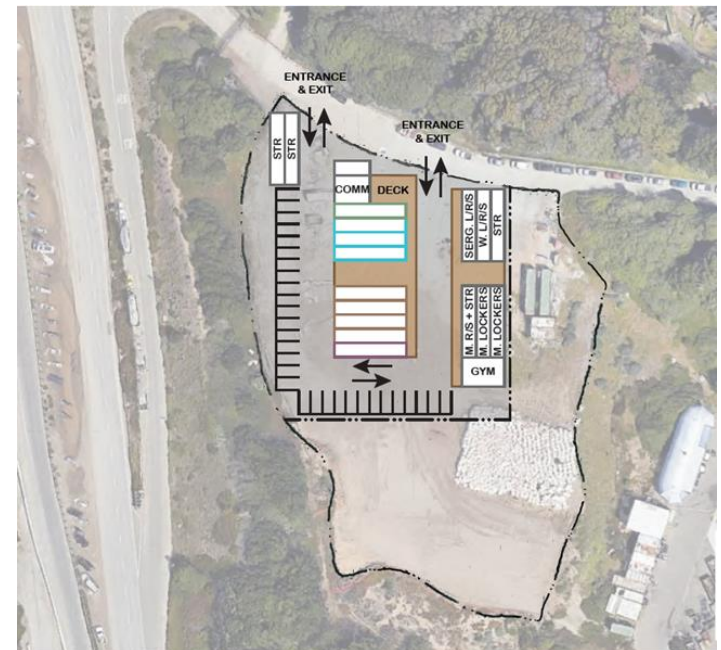
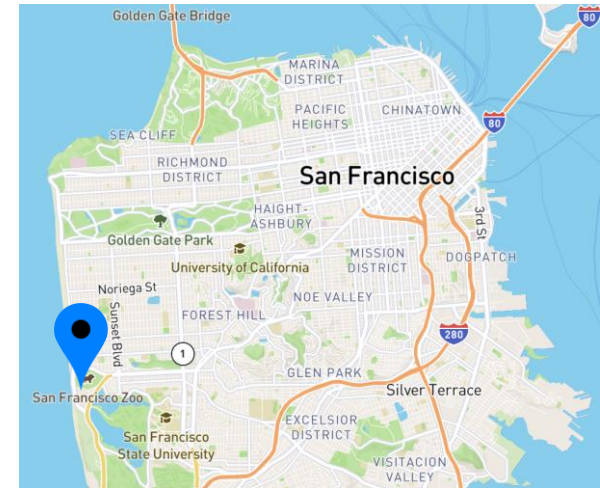


District Police Stations & Support Facilities

Preliminary Proposed Site for Temporary Surge Facility

Proposed Project Budget: \$4,240,000

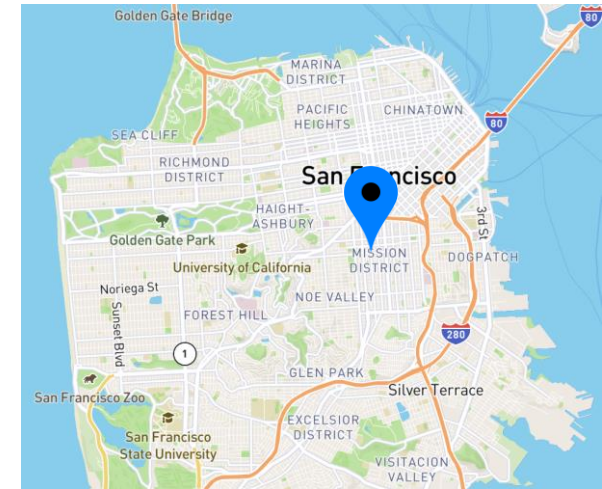
- Required to de-camp Ingleside and possibly Taraval
- Site located South on SF Zoo property (District 7)
- Leased Modular Buildings: **13,000 SF, and site utilities installation**
- Building Program Spaces:
 - Command
 - Patrol
 - Station Investigation Team (SIT)
 - Building Support
 - Arrestee Processing & Evidence



District Police Stations & Support Facilities

Mission Police Station Alteration

Date Built: 1994



Click to add text

Proposed Project Budget: \$970,000

- Located in Mission Neighborhood (District 8)
- Specific and limited scope Life-Safety Seismic Upgrades:
 - Strengthening structure at entries
 - Minor accessibility upgrades





www.sfearthquakesafety.org