



Repair tunnels & structures –
\$570 Million



Repair tunnels and structure – Structures



- **Scope:**
 - M line Tunnel Water Intrusion
 - Replace TBT Cross Passage Doors
 - Renew Roofs for Train Control Rooms to solve water intrusion
 - Waterproof Substation Roofs
 - Fall Protection
- **Total Program: \$451.25 M**
- **Happening Now:**
 - M line Water Intrusion Study
 - Waterproof Substation Roofs
 - 3 in FY17
 - 10/year start FY18 (7 years)
 - Advertise Cross Passage Doors – March 2017
- **Next Steps:**
 - Fall Protection Construction – procure design consultant
 - South Hayward Station
 - Hayward Shop structure



Repair tunnels and structure – Transbay Tube (TBT) Retrofit options



- **Scope:**
 - Full retrofit of 7 additional TBT sections
- **Total Program: \$53.75 M**
- **Happening Now:**
 - Preparing options' change order documentation
- **Next Steps:**
 - Exercise options



Repair tunnels and structure – Upper A-Line Seismic Operability Upgrade



- **Scope:**
 - Preliminary engineering of the Upper A-Line retrofit (from Lake Merritt to Coliseum)
- **Total Program: \$5 M**
- **Happening Now:**
 - Early scoping
- **Next Steps:**
 - Preliminary engineering scheduled to start in Summer 2017



Repair tunnels and structure – Berkeley Hills Tunnel (BHT) Creep



- **Scope:**
 - Excavate interior lining of BHT tunnel
 - Realign the trackway
- **Total Program: \$60 M**
- **Happening Now:**
 - Early scoping
- **Next Steps:**
 - Detailed design scheduled to start in Summer 2017
 - Award construction contracts