



Metro

**CONSTRUCTION COMMITTEE
JULY 16, 2009**

SUBJECT: DIVISION 21 ROCKFALL MITIGATION PROJECT – CP # 204112

ACTION: ESTABLISH A LIFE-OF-PROJECT BUDGET

RECOMMENDATION

Establish a Life-of-Project (LOP) budget for Division 21 Rockfall Mitigation Project – CP # 204112, in the amount of \$1,480,000.

RATIONALE

This project involves the construction of a rockfall mitigation system along the westerly slope of Division 21 Metro Gold Line Maintenance Facility. The Rockfall Mitigation System installation will comprise of a heavy steel interlocked wire netting attached to the hillside with specially driven anchor bolts into the rock formation. The area where the rockfall barrier system will be applied is susceptible to rock slides. This rockfall barrier system will prevent rockslides from taking place and causing potential serious property damage and injuries to people working in the Metro Gold Line Maintenance Facility.

Rockfall is sporadic and unpredictable with causes generally attributable to environmental effects such as weather and earthquakes. Because of the multiple factors affecting rockfall dynamics, rockfall mitigation is not an exact science that guarantees the safety of individuals and property. However, by the application of sound engineering principles to a predictable range of rockfall dynamics, the risk of injury and property loss can be substantially reduced by the use of properly designed rockfall mitigation system in identified risk areas.

This rockfall mitigation system installation will not impact any environmentally historic installations such as the Zanja Madre historic non-active underground drainage structure. MTA has also worked closely with Los Angeles City Recreation and Parks and Council District 1 as well as the Citizens Committee to Save Elysian Park to ensure that everyone's concerns were addressed when engineering the final solution to stabilize the hillside.

