



VI. MITIGATION MONITORING AND
REPORTING PROGRAM

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INTRODUCTION

This Mitigation Monitoring and Reporting Program (MMRP) has been prepared pursuant to Public Resources Code Section 21081.6, which requires adoption of a MMRP for projects in which the Lead Agency has required changes or adopted mitigation to avoid significant environmental effects. The Los Angeles Department of Recreation and Parks (Department of Recreation and Parks) is the Lead Agency for the proposed Autry National Center's Griffith Park Campus Improvements Project and is, therefore, responsible for administering and implementing the MMRP. The decision-makers must define specific reporting and/or monitoring requirements to be enforced during project implementation prior to final approval of the proposed project. The primary purpose of the MMRP is to ensure that the mitigation measures identified in the EIR are implemented, thereby minimizing identified environmental effects.

The MMRP for the proposed project will be in place through all phases of the project, including design (pre-construction), construction, and operation (post-construction, both prior to and post-occupancy). The Department of Recreation and Parks shall be responsible for administering the MMRP activities to its staff, other City departments (e.g., Department of City Planning, Department of Building and Safety, Department of Public Works, etc.), consultants, and/or contractors. The Department of Recreation and Parks will also ensure that mitigation monitoring is documented through reports and that deficiencies are promptly corrected. The designated environmental monitor (e.g., City building inspector, project contractor, certified professionals, etc., depending on the provisions specified below) will track and document compliance with mitigation measures, note any problems that may result, and take appropriate action to remedy problems.

Each mitigation measure is categorized by impact area, with an accompanying identification of:

- The enforcement agency;
- The monitoring agency;
- The monitoring phase (i.e., the phase of the project during which the measure should be monitored):
 - Pre-construction
 - Construction
 - Project operation (prior to and post-occupancy);
- The monitoring frequency; and

- The action indicating compliance with the mitigation measure(s).

A. AESTHETICS, VIEWS AND LIGHT AND GLARE

Impacts associated with aesthetics, views, light and glare would be less than significant, and no mitigation measures would be required.

B. AIR QUALITY

Mitigation Measure B-1: General contractors shall implement a fugitive dust control program pursuant to the provisions of SCAQMD Rule 403.¹

Enforcement Agency: SCAQMD

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Throughout construction during field inspection

Action Indicating Compliance with Mitigation Measure(s): Periodic Site Inspection by Los Angeles Department of Building and Safety

Mitigation Measure B-2: All construction equipment shall be properly tuned and maintained in accordance with manufacturer's specifications.

Enforcement Agency: Los Angeles Department of Building and Safety

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Throughout construction during field inspection

Action Indicating Compliance with Mitigation Measure(s): Quarterly compliance certification report submitted by project contractor

Mitigation Measure B-3: General contractors shall maintain and operate construction equipment so as to minimize exhaust emissions.

Enforcement Agency: Los Angeles Department of Building and Safety

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

¹ SCAQMD Rule 403 requirements are detailed in Appendix C of the Draft EIR.

Monitoring Frequency: Throughout construction during field inspection

Action Indicating Compliance with Mitigation Measure(s): Quarterly compliance certification report submitted by project contractor

Mitigation Measure B-4: Construction emissions should be phased and scheduled to avoid emissions peaks and discontinued during second-stage smog alerts.

Enforcement Agency: Los Angeles Department of Building and Safety

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Throughout construction during field inspection

Action Indicating Compliance with Mitigation Measure(s): Quarterly compliance certification report submitted by project contractor

Mitigation Measure B-5: Construction emissions should be phased and scheduled to avoid emissions peaks and discontinued during second-stage smog alerts.

Enforcement Agency: SCAQMD

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Throughout construction during field inspection

Action Indicating Compliance with Mitigation Measure(s): Quarterly compliance certification report submitted by project contractor

Mitigation Measure B-6: All construction vehicles shall be prohibited from idling in excess of ten minutes, both on- and off-site.

Enforcement Agency: Los Angeles Department of Building and Safety

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Throughout construction during field inspection

Action Indicating Compliance with Mitigation Measure(s): Quarterly compliance certification report submitted by project contractor

Mitigation Measure B-7: The Applicant shall utilize coatings and solvents that are consistent with applicable SCAQMD rules and regulations.

Enforcement Agency: SCAQMD

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Throughout construction during field inspection

Action Indicating Compliance with Mitigation Measure(s): Quarterly compliance certification report submitted by project contractor

Mitigation Measure B-8: General contractors shall require on-site heavy-duty construction equipment during Phase 2 site preparation/excavation activities to meet Tier II (2001) emission standards or be equipped with diesel oxidation catalysts. The requirements of this mitigation measure shall specifically be limited to excavators, graders, dozers, loaders, and scrapers.

Enforcement Agency: SCAQMD

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Throughout Phase 2 construction during field inspection

Action Indicating Compliance with Mitigation Measure(s): Quarterly compliance certification report submitted by project contractor

C. BIOLOGICAL RESOURCES

Mitigation Measure BIO-1: Trees removed that are protected by the City of Los Angeles Protected Tree Ordinance shall be replaced within the property by at least two trees of a protected variety including valley and coast live oak, or any other tree of the quercus genus (excluding scrub oak), the California Walnut, the California sycamore, and the California bay. Each replacement tree shall be a 15-gallon, or larger specimen in size, measuring one inch or more in diameter at a point one foot above the base, and not less than seven feet in height measured from the base. The size and number of replacement trees shall approximate the value of the tree to be replaced.

Enforcement Agency: Los Angeles Bureau of Street Services - Street Tree Division and Department of Building and Safety

Monitoring Agency: Los Angeles Bureau of Street Services - Street Tree Division

Monitoring Phase: Construction

Monitoring Frequency: Plan check for each phase; field inspection

Action Indicating Compliance with Mitigation Measure(s): Plan approval; compliance certification report by a certified arborist

Mitigation Measure BIO-2: All construction work potentially impacting any protected tree shall be approved by, performed under the supervision of, and inspected by a tree expert as defined by the City of Los Angeles Protected Tree Ordinance. This tree expert shall also oversee all maintenance work on the protected trees including irrigation, pruning and spraying.

Enforcement Agency: Los Angeles Bureau of Street Services - Street Tree Division and Department of Building and Safety

Monitoring Agency: Los Angeles Bureau of Street Services - Street Tree Division

Monitoring Phase: Construction

Monitoring Frequency: Throughout construction during periodic field inspection

Action Indicating Compliance with Mitigation Measure(s): Compliance certification report by a certified arborist and quarterly compliance certification report by the project contractor

Mitigation Measure BIO-3: During construction, the construction supervisor shall ensure that all construction employees are fully informed of the tree protection practices. This shall include information on the tree protection zone, the necessity of preventing damage, and the discussion of work practices that will accomplish such.

Enforcement Agency: Los Angeles Bureau of Street Services - Street Tree Division and Department of Building and Safety

Monitoring Agency: Los Angeles Bureau of Street Services - Street Tree Division

Monitoring Phase: Construction

Monitoring Frequency: Throughout construction during periodic field inspection

Action Indicating Compliance with Mitigation Measure(s): Quarterly compliance certification report by the project contractor

Mitigation Measure BIO-4: During construction, six-foot-high, brightly colored construction fencing shall be erected along the construction side of protected trees to delineate the tree protection area. The protective fence shall be installed 5 feet outside of the tree's drip line, if possible. If construction is to occur within the drip line, the fencing shall be installed 12 inches inside the new footing or trenching line.

Enforcement Agency: Los Angeles Bureau of Street Services - Street Tree Division and Department of Building and Safety

Monitoring Agency: Los Angeles Bureau of Street Services - Street Tree Division

Monitoring Phase: Construction

Monitoring Frequency: Throughout construction during periodic field inspection

Action Indicating Compliance with Mitigation Measure(s): Field inspection by a certified arborist and quarterly compliance certification report by the project contractor

D. CULTURAL RESOURCES

Mitigation Measure C-1: A qualified archaeologist shall be retained by the Applicant to review grading plans and geotechnical information and prepare a monitoring plan for all ground-disturbing activities in previously undisturbed sediments. A qualified archaeologist is defined as an archaeologist meeting the Secretary of the Interior Professional Qualification Standards for Archaeology. Ground-disturbing activities include primary construction-related activities and any associated secondary activities for support services such as utilities. Any such monitoring of previously undisturbed sediments shall be conducted by an archaeological monitor and a Native American monitor. The Native American monitor shall be requested from a group identified by the Native American Heritage Commission as having affiliation with the project vicinity. On agreement between the qualified archaeologist and the Native American monitor, the archaeological monitor may also notify the Native American monitor in the event of an archaeological discovery. In the event that archaeological resources are identified during monitoring or unexpectedly during excavations in fill sediments, all work proximal to the discovery (estimated at 25 feet) shall halt until the qualified archaeologist has evaluated the find. If the archaeologist determines that the find is significant or may qualify as significant, the archaeologist shall prepare a treatment plan. If the find is prehistoric or includes Native American materials, affiliated Native American groups shall be invited to contribute to the treatment plan. Preservation in place shall be considered as a treatment, where feasible.

Results of monitoring and any archaeological treatment shall be reported in an appropriate technical report to be filed with the Applicant, the City, and the California Historical Resources Information System. Any artifacts recovered during monitoring or treatment shall be curated at an appropriate facility, such as the Autry National Center.

Enforcement Agency: Los Angeles Department of Recreation and Parks

Monitoring Agency: Los Angeles Department of Recreation and Parks

Monitoring Phase: Construction

Monitoring Frequency: Consultation with archaeologist during initial stage of construction and during any excavation of previously undisturbed sediments

Action Indicating Compliance with Mitigation Measure(s): Compliance certification report by qualified archaeologist

Mitigation Measure C-2: If human remains are unearthed unexpectedly during ground-disturbing activities, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County Coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner will have 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will then identify the person(s) thought to be the Most Likely Descendent of the deceased Native American, who will then help determine what course of action should be taken in dealing with the remains.

Enforcement Agency: Los Angeles Department of Recreation and Parks

Monitoring Agency: Los Angeles Department of Recreation and Parks

Monitoring Phase: Construction

Monitoring Frequency: Periodic field inspections

Action Indicating Compliance with Mitigation Measure(s): Compliance certification report by Applicant

Mitigation Measure C-3: In the event that deeper excavations into older Quaternary deposits may be required for the project, a qualified paleontologist shall be retained by the Applicant to perform inspections of excavation or grading activity within any Older Quaternary deposits below the original ground surface. The frequency of inspections shall be based on consultation with the paleontologist and will depend on the rate of excavation and grading activities, the materials being excavated, and, if found, the abundance and type of fossils encountered. If fossils are found during inspections, all work

shall cease in that area. Any discovery of paleontological resources would be treated in accordance with Society of Vertebrate Paleontology guidelines for identification, evaluation, disclosure, avoidance or recovery, and curation, as appropriate. The paleontologist shall then prepare a report summarizing the results of the monitoring program including methods of fossil recovery and curation, and a description of the fossils collected and their significance. A copy of the report shall be provided to the Applicant and to the City of Los Angeles. The fossils and a copy of the report will be deposited in an accredited curation facility.

Enforcement Agency: Los Angeles Department of Recreation and Parks

Monitoring Agency: Los Angeles Department of Recreation and Parks

Monitoring Phase: Construction

Monitoring Frequency: Consultation with paleontologist prior to excavation to determine if Quaternary deposits may be affected and consultation with paleontologist during any excavations into Quaternary deposits.

Action Indicating Compliance with Mitigation Measure(s): Compliance certification report by qualified paleontologist for any excavations into Quaternary deposits.

E. GEOLOGY AND SOILS

Mitigation Measure GEO-1: The Applicant shall comply with Ordinance No. 172,176 and Ordinance No. 173, 494, where applicable. Stormwater and Urban Runoff Pollution Control require the application of Best Management Practices (BMPs).

Enforcement Agency: Los Angeles Department of Building and Safety

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction & Operation

Monitoring Frequency: Periodic field inspection

Action Indicating Compliance with Mitigation Measure(s): Compliance certification report by Applicant

Mitigation Measure GEO-2: The Applicant shall also comply with Chapter IX, Division 70 of the Los Angeles Municipal Code, as applicable, which addresses grading, excavations, and fills.

Enforcement Agency: Los Angeles Department of Building and Safety

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Periodic field inspection

Action Indicating Compliance with Mitigation Measure(s): Compliance certification report by Applicant

- **Mitigation Measure GEO-3:** In addition, the Applicant must meet the applicable requirements of the Standard Urban Stormwater Mitigation Plan (SUSMP) approved by Los Angeles Regional Water Quality Control Board. (A copy of the SUSMP can be downloaded at: <http://www.swrcb.ca.gov/rwqcb4/>).

Enforcement Agency: Los Angeles Department of Building and Safety

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Periodic field inspection

Action Indicating Compliance with Mitigation Measure(s): Compliance certification report by Applicant

F. HYDROLOGY

Impacts associated with hydrology and surface water quality would be less than significant, and no mitigation measures would be required.

G. LAND USE

Impacts associated with land use would be less than significant, and no mitigation measures would be required.

H. NOISE

Mitigation Measure E-1: Effective temporary noise barriers, when they are feasible, shall be used to block the line-of-site between the construction equipment and the noise-sensitive receptors, as follows:

- During project Phase 1 site demolition and site grading activities, provide a temporary sound barrier along the western boundary of the construction site, to reduce the construction noise to the Zoo and the Zoo Magnet Center.
- During project Phase 1 site demolition and site grading activities and Phase 2 construction periods, provide a temporary sound barrier along the southern boundary of the project site, to reduce the construction noise to the golf courses.

Enforcement Agency: Los Angeles Department of Building and Safety

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Quarterly throughout construction

Action Indicating Compliance with Mitigation Measure(s): Quarterly compliance certification report by the project contractor

Mitigation Measure E-2: Noise-generating construction equipment operated at the project site shall be equipped with effective noise control devices, i.e., mufflers, lagging, and/or motor enclosures. All equipment shall be properly maintained to assure that no additional noise, due to worn or improperly maintained parts, would be generated.

Enforcement Agency: Los Angeles Department of Building and Safety

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Construction

Monitoring Frequency: Quarterly throughout construction during field inspection

Action Indicating Compliance with Mitigation Measure(s): Quarterly compliance certification report by the project contractor

I. PUBLIC SERVICES-FIRE PROTECTION

Impacts associated with fire protection would be less than significant, and no mitigation measures would be required.

J. TRANSPORTATION AND CIRCULATION

Mitigation Measure H-1: A construction traffic and parking management plan shall be prepared and submitted to LADOT for review and approval prior to the start of any construction work. This plan will include such elements as the designation of haul routes for construction-related trucks, the location of access to the construction site, any driveway turning movement restrictions, temporary traffic control devices or flagmen, travel time restrictions for construction-related traffic to avoid peak travel periods on selected roadways, and designated staging and parking areas for workers and equipment.

Enforcement Agency: Los Angeles Department of Transportation

Monitoring Agency: Los Angeles Department of Building and Safety

Monitoring Phase: Pre-Construction

Monitoring Frequency: Plan check review

Action Indicating Compliance with Mitigation Measure(s): Plan approval

K. UTILITIES

Mitigation Measure UTIL-1: Recycling bins shall be provided at appropriate locations to promote recycling of paper, metal, glass, and other recyclable material.

Enforcement Agency: Bureau of Sanitation

Monitoring Agency: Los Angeles Department of Recreation and Parks

Monitoring Phase: Project Operation

Monitoring Frequency: Plan Check Review

Action Indicating Compliance with Mitigation Measure(s): Plan Approval