
MITIGATION MONITORING AND REPORTING PROGRAM

1.1 Introduction

In accordance with the California Environmental Quality Act (CEQA, Public Resources Code Section 21000 et seq.), California State University, Long Beach (CSULB) prepared an Environmental Impact Report (EIR) for the CSULB Master Plan Update (Master Plan Update, proposed project, or project) (State Clearinghouse No. 2022040460). The EIR identifies potentially significant impacts requiring mitigation measures for aesthetics; biological resources; cultural resources; geology, soils, and paleontological resources; noise; and tribal cultural resources. The EIR identifies less than significant impacts for air quality, greenhouse gas emissions, hydrology and water quality, population and housing, public services and recreation, transportation, and utilities and energy. No significant and unavoidable impacts have been identified for implementation of the Master Plan Update.

CEQA and the CEQA Guidelines (Public Resources Code Section 21081.6 and CEQA Guidelines Sections 15091[d] and 15097) require public agencies to adopt a reporting and monitoring program for changes to the project which it has adopted or made a condition of project approval to mitigate or avoid significant effects on the environment. A Mitigation Monitoring and Reporting Program (MMRP) has been prepared for the proposed Master Plan Update because the EIR identifies significant impacts related to the implementation of the Master Plan Update, and mitigation measures have been identified to reduce those impacts. Adoption of the MMRP would occur along with approval of the Master Plan Update EIR.

1.2 Purpose of the Mitigation Monitoring and Reporting Program

The MMRP has been prepared to ensure that all required mitigation measures are implemented and completed in a sufficient manner before and during project construction and operation. It also includes the project design features (PDFs) incorporated into the Project that serve to reduce environmental impacts. The MMRP table below has been prepared to assist the responsible parties in implementing the mitigation measures. The table identifies each mitigation measure or PDF; the action required for the measure to be implemented; the time at which the monitoring is to occur; the monitoring conditions; and the agency or party responsible for ensuring that the monitoring is performed.

1.3 Roles and Responsibilities

Unless otherwise specified, CSULB is responsible for taking all actions necessary to implement the mitigation measures under its jurisdiction according to the specifications provided for each measure and for demonstrating that the action has been successfully completed. CSULB, at its discretion, may delegate implementation responsibility or portions thereof to a licensed contractor or other designated agent. Public Resources Code Section 21081.6 requires the lead agency to identify the “custodian of documents and other material” which constitutes the “record of proceedings” upon which the action on the project was based. CSULB is the custodian of such documents for the proposed Master Plan Update. Inquiries should be directed to:

Melissa Soto, Manager of Capital Program Development
California State University, Long Beach
Office of Design and Construction Services
1331 Palo Verde Avenue
Long Beach, CA 90815

1.4 Reporting

CSULB shall require the contractor(s) to maintain records documenting compliance of the activity with the required mitigation measures. Information regarding inspections and other requirements shall be compiled and explained in monthly or annual reports, as relevant. The reports shall be designed to simply and clearly identify whether mitigation measures have been adequately implemented. At a minimum, each report shall identify the mitigation measures or conditions to be monitored for implementation, whether compliance with the mitigation measures or conditions has occurred, the procedures used to assess compliance, and whether further action is required.

| Environmental Impact | Mitigation Measure | Implementation Timing | Monitoring Frequency | Responsible Party |
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| AESTHETICS | | | | |
| <p>AES-1 Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?</p> | <p>AES-A Nighttime Construction Lighting: If the use of nighttime lighting is necessary during construction, all lighting shall be shielded and focused on the construction site.</p> | <p>During construction activities.</p> <p>Incorporate measure into construction contract.</p> | <p>Ongoing during any construction activities that would occur at nighttime.</p> | <p>CSULB Design & Construction Services</p> |
| | <p>AES-B New Stadium Lighting: CSULB shall prepare and implement a lighting plan for proposed new permanent flood lighting at Jack Rose Track/Commencement Facilities. The lighting plan shall be prepared by a qualified engineer who is an active member of the Illuminating Engineering Society of North America. The lighting plan shall address all aspects of the lighting and identify feasible strategies to be implemented to minimize light trespass based on the lighting design, such as use of shielding, mounting lighting at specific angles to direct light toward the field, light color, and limiting lumens to the lowest levels necessary for operation.</p> | <p>Prepare plan during project design.</p> <p>Implement plan during construction activities.</p> | <p>Confirm measure is being implemented during final design review.</p> | <p>CSULB Design & Construction Services</p> |

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| BIOLOGICAL RESOURCES | | | | |
| <p>BIO-1 Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?</p> | <p>BIO-A Construction activities shall adhere to all applicable BMPs and recommendations outlined in the CSULB Nesting Bird Guidance Document (refer to Appendix D of this EIR), which outlines measures to avoid take of bird species protected under the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code (CFGC) during construction activities and maintenance activities conducted by CSULB where tree removal or trimming is proposed. The guidance document provides information on the bird species that may nest in the area, protection under the MBTA and CFGC, and stipulates the following measures to avoiding impacts to nesting birds during the nesting season, generally January 15 through September 15 (as early as January 1 for some raptors):</p> <ol style="list-style-type: none"> 1. A pre-construction nesting bird survey shall be conducted by a qualified biologist within 3 days (72 hours) prior to the start of construction activities and/or tree removal to determine whether active nests are present within or directly adjacent to the construction zone. <ol style="list-style-type: none"> a) Following completion of the survey, a brief memo report shall be prepared to document the location of all nests found (if any), their status (i.e., eggs or hatchlings present), existing biological conditions of the project area, and the bird species detected during the survey. If an active nest is found, recommendations to avoid and minimize impacts to the nest, such as those presented below, shall be included as appropriate. | <p>Schedule tree removal/trimming activities before January 15 and after September 15.</p> <p>Or, if construction activities occur between January 15 and September 15, conduct pre-construction surveys within 3 days prior to the start of construction activities and/or tree removal and submit memo after completion of survey.</p> <p>Conduct ongoing monitoring during construction as needed.</p> <p>Incorporate measure into construction contracts, as relevant.</p> | <p>One time prior to construction and ongoing during construction, depending on nesting bird survey findings.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>b) Surveys shall be conducted by a qualified biologist, defined as a biologist who has at least one year of professional experience conducting nest surveys under a supervising biologist or has formal education in the identification of regional bird species, and is familiar with the life history of regional bird species.</p> <p>2. A minimum 150-foot no-work buffer shall be established around any active passerine bird nest and a minimum 300-foot no-work buffer shall be established around any active raptor nest. The qualified biologist shall monitor the nest on a weekly basis, and project activities within 150 feet of an active nest of any passerine bird or within 300 feet of an active nest of any raptor shall be postponed until the biologist determines that the nest is no longer active. However, these no-disturbance buffers may be adjusted (including increases or reductions to the buffer) by the qualified biologist on a case-by-case basis taking into consideration the location, type, duration and timing, and severity of work, distance of nest from project activities, surrounding vegetation and line-of-sight between the nest and work areas, and the species' site-specific level of habituation to the disturbance. If the qualified biologist determines nesting activities may fail as a result of project activities, the biologist shall immediately inform the construction manager and all project activities shall cease within the recommended no-disturbance buffer until the biologist determines the adults and young are no longer reliant on the nest site.</p> | | | |

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| | <p>3. Avoidance buffers around active nests shall be delineated on-site with bright flagging for easy identification by project staff. The on-site construction supervisor and operator staff shall be notified of the nest and the buffer limits to ensure it is maintained.</p> <p>4. When recommended nest avoidance buffers are not feasible and construction must occur near or within an established buffer, nests shall receive initial full-time monitoring to ensure that construction activities are not disturbing any nesting activities or active nests. If the biologist determines that the buffer is appropriate, work can continue with regular spot-checks to document the progress of the nest until it is determined that young are no longer dependent on the nest, the nest has been predated, or is deemed no longer active. With the exception of some raptor nests, inactive nests may be dismantled or otherwise destroyed to discourage future nesting in the same location.</p> | | | |
| | <p>BIO-B A pre-construction survey shall be conducted by a qualified bat biologist who has experience with bats/bat surveys to identify trees and/or structures that could provide day and/or night-roosting or maternity roosting sites for bats within 14 days of the start of construction for projects that include tree removal or building demolition. Surveys shall include the use of acoustic recognition technology to maximize detection and potentially identify species of bats. Surveys, reporting, and preparation of avoidance measures by a qualified bat specialist shall be completed and submitted to CSULB prior to any ground-disturbing activities or vegetation removal</p> | <p>Conduct pre-construction survey within 14 days of the start of construction for projects that include tree removal or building demolition.</p> <p>Submit survey report prior to any ground-disturbing activities or</p> | <p>One time prior to construction and ongoing during tree removal and/or building demolition activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>at or near locations of roosting habitat for bats.</p> <ol style="list-style-type: none"> 1. If day-time roosting bats or sign of such bats are detected: a qualified bat biologist shall be present to monitor any tree removal and/or building demolition activities and develop project-specific measures to minimize impacts to day-roosting bats. This should include the designation of no-disturbance buffers around day-roosting bats based upon the particular bat species found and/or the phased removal of buildings and trees to allow day-roosting bats to relocate on their own volition. 2. If bats are not detected but the bat specialist determines that roosting bats may be present, trees shall be pushed down using heavy machinery rather than felling with a chainsaw. To ensure the optimum warning for any roosting bats that may still be present, trees shall be pushed lightly two or three times, with a pause of approximately 30 seconds between each nudge to allow bats to become active. The tree shall then be pushed to the ground slowly and remain in place until it is inspected by a bat specialist. Trees that are known to be bat roosts shall not be bucked or mulched immediately. A period of at least 24 hours, and preferable 48 hours, shall elapse prior to such operations to allow bats to escape. 3. If an active maternity roost is identified, no work activities should occur within 100 feet of or directly under or adjacent to the maternity roost during the breeding season when young are present but are not yet ready to fly (generally March through September). | <p>vegetation removal.</p> <p>Conduct monitoring during tree removal and/or building demolition activities.</p> <p>Incorporate measure into construction contracts, as relevant.</p> | | |

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| <p>BIO-2 Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</p> | <p>BIO-C For projects occurring within or adjacent to Bouton Creek, such as the Pedestrian/Bike Lane Improvements project, CSULB shall engage a qualified regulatory specialist to review and evaluate project plans of proposed road improvements over and adjacent to Bouton Creek. If the plans have the potential to result in impacts to the channel requiring permitting pursuant to the Clean Water Act, Porter-Cologne, and/or CFGC, CSULB in coordination with the City of Long Beach shall consult with the U.S. Army Corps of Engineers, Los Angeles Regional Water Quality Control Board, and California Department of Fish and Wildlife regarding applicable permits for the improvements. Depending on the extent of impacts that may occur to the Bouton Creek channel, consultation with the National Marine Fisheries Service regarding potential impacts to downstream coastal resources may be required and should occur simultaneously in coordination with other regulatory agencies. Additionally, if a Lake and Streambed Alteration Agreement is required for any improvements within or near Bouton Creek, a hydrology report shall be prepared and submitted to CDFW to evaluate potential impacts to hydrologic activity within and downstream of the proposed improvements. Any required permit conditions shall be implemented to avoid or minimize impacts to Bouton Creek.</p> | <p>Review project plans and consult with relevant agencies as needed prior to start of construction.</p> <p>Prepare and submit a hydrology report if applicable prior to start of construction.</p> | <p>One time prior to any construction of projects within or adjacent to Bouton Creek.</p> | <p>CSULB Design & Construction Services</p> |
| <p>CULTURAL RESOURCES</p> | | | | |
| <p>CUL-1 Would the project cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?</p> | <p>HR-A For all instances in which a project involves an individually eligible resource, the University shall engage the services of a qualified architectural historian meeting the Secretary of the Interior’s Professional Qualification Standards to conduct an assessment of whether the proposed treatment of the historical resource complies with</p> | <p>Complete assessment of project plans prior to final project design.</p> | <p>One time prior to construction of a project that involves an individually eligible</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>the Secretary of the Interior’s Standards for Rehabilitation (“the Standards”). If the proposed project is found to not be in compliance with the Standards, then the architectural historian shall provide recommendations for how to modify the project design so as to bring it into compliance. The professional shall prepare a memorandum or equivalent level of documentation conveying the findings of the assessment.</p> | | resource. | |
| | <p>HR-B To ensure that historic buildings and other contributing features within the Upper Campus Historic District are appropriately renovated and maintained, and that the impact of new construction within the district is mitigated to a less-than-significant level, the University shall develop an Adaptive Mitigation Management Program for the historic district. This Adaptive Mitigation Management Program shall be produced following adoption of the Master Plan Update. This will act as a rehabilitation and maintenance plan for the district, and will ensure that projects undertaken within the district are compatible with its historic character. The plan shall include:</p> <ul style="list-style-type: none"> • Historic overview and context of the district • Identification of contributing buildings and their character-defining features • In-depth assessment of the designed landscape within the district, including identification of character-defining site features, hardscape, and softscape • Definitions of applicable historic preservation terms • Guidelines for building rehabilitation and maintenance • Guidelines for compatible new construction • Guidelines for landscape preservation and maintenance. | <p>Develop Adaptive Mitigation Management Program following adoption of the Master Plan Update.</p> | <p>Confirm measure is implemented following adoption of the Master Plan Update.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>HR-C The University shall have Historic American Buildings Survey (HABS) Level II documentation or the equivalent completed for the historical resource and its setting. This documentation shall include drawings, photographs, and a historical narrative. Documentation shall be undertaken prior to the commencement of construction. To ensure public access, the University shall submit copies of the documentation to the Special Collections and University Archives at the CSULB Library, and other interested parties to be identified.</p> <ul style="list-style-type: none"> • Drawings: Existing historic drawings of the historical resource, if available, shall be photographed with large-format negatives or photographically reproduced on Mylar. In the absence of existing drawings, full-measured existing conditions drawings of the building's floorplans and exterior elevations should be prepared. • Photographs: Photo-documentation of the historical resource shall be prepared to HABS standards (or the equivalent) for archival photography. HABS standards require large-format black-and-white photography, with the original negatives having a minimum size of 4"x5". Digital photography, roll film, film packs, and electronic manipulation of images are not acceptable. All film prints, a minimum of 4"x5", must be hand-processed according to the manufacturer's specifications and printed on fiber base single weight paper and dried to a full gloss finish. A minimum of twelve photographs must be taken. Photographs must be identified and labeled using HABS standards. | <p>Complete HABS documentation prior to start of construction.</p> | <p>One time prior to construction of a project that involves an individually eligible resource that does not meet the Secretary of the Interior's Standards for Rehabilitation.</p> | <p>CSULB Design & Construction Services</p> |

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| | <ul style="list-style-type: none"> Historical Narrative: A professional meeting the Secretary of the Interior's Professional Qualification Standards in Architectural History or History shall compile historical background information relevant to the historical resource and prepare a narrative. | | | |
| | <p>HR-D The University shall prepare and implement an interpretative program for the historical resource. The interpretive program shall focus on the resource's architectural and historical significance and shall incorporate all of the following materials/media.</p> <ul style="list-style-type: none"> On-site display of historic documentation, which may include historic photographs, historic architectural plans and drawings, and other applicable materials that convey the significance of the historical resource. These materials shall be displayed in a visible and accessible location. Online display of historic documentation, including historic photographs, historic architectural plans and drawings, and other applicable materials that convey the significance of the historical resource. These materials shall be published on the CSULB web site and available to the public. Incorporation of commemorative materials and historical information into on-campus orientation and tours for educational purposes. | <p>Implement interpretive program upon completion of construction activities.</p> | <p>One time during implementation of a project that involves an individually eligible resource that does not meet the Secretary of the Interior's Standards for Rehabilitation.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>HR-E Under the guidance of a historic architect or architectural historian meeting the Secretary of the Interior’s Professional Qualification Standards, and through careful methods of deconstruction to avoid damage and loss, the University shall salvage character-defining features and materials from a historical resource for educational and interpretive purposes on campus, or for reuse in new construction on campus.</p> | <p>Salvage features and materials as needed during demolition and construction phase.</p> | <p>Ongoing during demolition and construction, as needed.</p> | <p>CSULB Design & Construction Services</p> |
| | <p>HR-F For all instances in which a project involves an individually eligible resource, the University shall engage the services of a qualified architectural historian or historic architect meeting the Secretary of the Interior’s Professional Qualification Standards to review milestone drawing sets and generally be available to the design team during design and construction. The architectural historian/historic architect shall review Design Development (DD) and Construction Documentation (CD) drawing sets at 50% and 100% completion and provide a brief memo regarding ongoing project compliance with the Standards. Project review during construction shall occur once a month and reporting in memo format. Memos shall be submitted to CSULB Design and Construction Services.</p> | <p>Review milestone drawing sets at 50% and 100% completion.</p> <p>Project review throughout construction period.</p> | <p>Twice at the 50% and 100% design milestones.</p> <p>Project review to be conducted once per month during construction.</p> | <p>CSULB Design & Construction Services</p> |
| <p>CUL-2 Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?</p> | <p>For projects on-campus with ground-disturbing activities, the following mitigation measures would apply (AR-A, AR-B, AR-C, and AR-D).</p> <p>AR-A Initial Project Review: This mitigation measure shall apply to projects on-campus with ground-disturbing activities. Prior to the commencement of ground-disturbing activities, CSULB shall consult with a qualified archaeologist who meets the Secretary of the Interior’s Professional Qualification Standards for Archaeology (48 Federal Register 44738). The</p> | <p>Consultation to occur prior to start of ground-disturbing activities.</p> | <p>One time prior to start of ground-disturbing activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>qualified archaeologist shall determine to what degree ground-disturbing activities have the potential to impact archaeological resources through the review of plans against the data and the analysis in the Archaeological Resources Technical Report prepared for the CSULB Master Plan Update Environmental Impact Report, any subsequent archaeological studies, location-specific archaeological studies covering the project area, designated equipment and materials staging/stockpile areas, available geotechnical studies or boring logs, and the mapped locations of archaeological sites.</p> <p>If the qualified archaeologist determines the project has the potential to impact unknown and/or ineligible archaeological resources:</p> <ul style="list-style-type: none"> • At their discretion, the qualified archaeologist may require Mitigation Measure AR-C (WEAP) or a combination of Mitigation Measures AR-C (WEAP) and AR-G (Archaeological Monitoring). • If the qualified archaeologist determines the project has the potential to impact known listed/potentially eligible archaeological resource: <ul style="list-style-type: none"> ○ The qualified archaeologist shall determine whether an Extended Phase I (XPI) should be implemented in order to identify the presence or absence of a known site within project boundaries in accordance with Mitigation Measure AR-E. ○ Avoidance and preservation-in-place are the preferred treatments for significant archaeological resources. If the project has the | | | |

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| | <p>potential to impact known archaeological resources, then the qualified archaeologist shall work with the Engineer of Record to identify means of avoidance wherever avoidance is feasible. If avoidance is not feasible, or if the project has the potential to impact unknown archaeological resources, then an archaeological resources Treatment Plan shall be prepared in accordance with Mitigation Measure AR-I.</p> <ul style="list-style-type: none"> The qualified archaeologist retains the discretion to reduce the 25-foot radius on a case-by-case basis based on their expert judgment. | | | |
| | <p>AR-B Designated Staging and Stockpiling Areas: This mitigation measure shall apply to projects on-campus with ground-disturbing activities. Prior to the commencement of projects involving ground-disturbing activities, CSULB shall clearly identify a construction staging and soils stockpiling area for the project. CSULB shall prohibit the placement of earthwork spoils, construction materials, and equipment anywhere other than the specified construction staging and soils stockpile area(s) for that project unless on paved surfaces.</p> <p>No staging areas or stockpiles shall be established on unpaved surfaces within a 25 foot radius of the boundaries of known potentially eligible archaeological sites without compliance with Mitigation Measure AR-A (Initial Project Review) and potential additional mitigation.</p> | <p>Identify staging and stockpiling area(s) prior to start of ground-disturbing activities.</p> | <p>One time prior to start of ground-disturbing activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>AR-C Worker Environmental Awareness Program for Archaeological Resources: Due to the potential to encounter unanticipated resources, prior to the beginning of ground-disturbing activities by the construction crew, the construction crew associated with ground-disturbing activities shall be informed of the archaeological resource’s value involved and of the regulatory protections afforded those resources. The crew shall also be informed of procedures relating to the discovery of unanticipated archaeological resources. The crew shall be cautioned not to collect artifacts, and directed to inform a construction supervisor and the onsite archaeological monitor in the event that archaeological remains are discovered during the course of construction.</p> <p>The initial training shall be conducted by the on-site archaeological monitor and can be incorporated into the project’s construction safety training. A supplemental briefing shall be provided to all new construction personnel that are associated with ground-disturbing activities prior to their commencement of ground-disturbing activities, and may consist of reviewing presentation slides or viewing a recording.</p> | <p>Prior to ground-disturbing activities.</p> | <p>One time prior to ground-disturbing activities, and ongoing with new construction personnel.</p> | <p>CSULB Design & Construction Services</p> |
| | <p>AR-D Treatment of Unanticipated Finds of Human Remains: If human skeletal remains are found at any project site during ground-disturbing activities, work shall be suspended and the Los Angeles County Coroner’s Office shall be notified. Standard guidelines set by California law provide for the treatment of skeletal material of Native American origin (California Public Resources Code, Sections 5097.98 et seq.; Health and Safety Code, Section 7050.5). If the remains are found to be archaeological, then after the coroner releases the site, the qualified professional archaeologist, in</p> | <p>Ongoing during ground-disturbing activities.</p> | <p>As needed during ground-disturbing activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>consultation with the most likely descendant, shall prepare an archaeological resources Treatment Plan in accordance with Mitigation Measure AR-I that also incorporates the guidance in “A Professional Guide for the Preservation and Protection of Native American Remains and Associated Grave Goods,” published by the California Native American Heritage Commission. The plan shall follow the Native American Graves Protection and Repatriation Act/ CalNAGPRA rules, and include the terms of any reburial or final disposition and any necessary CSULB assistance required for the reburial or associated ceremonies. Human remains recovered and awaiting repatriation shall be held in a secure location unless otherwise determined by the CSU in consultation with the Most Likely Descendent.</p> | | | |
| | <p>At the discretion of the qualified archaeologist pursuant to Mitigation Measure AR-A, the following mitigation measures may apply. AR-E Extended Phase I Investigations: This mitigation measure shall apply to projects located within known listed/potentially eligible archaeological sites on campus and/or a 25-foot radius of the known archaeological site boundary. If determined to be required as the result of implementation of Mitigation Measure AR-A (Initial Project Review), an Extended Phase I (XPI) Plan shall be devised and implemented at the advice of the qualified archaeologist and at the discretion of CSULB, if not enough information is available to identify the three-dimensional limits of intact archaeological resources within a known archaeological site. The purpose of the XPI is to identify the three-dimensional spatial boundaries of undisturbed archaeological resources within or in proximity to the proposed project site.</p> | <p>Complete XPI and document results prior to start of ground-disturbing activities for projects located within known listed/potentially eligible archaeological sites on campus and/or a 25-foot radius of the known archaeological site boundary.</p> | <p>One time prior to ground-disturbing activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>The XPI Plan shall include, at a minimum:</p> <ul style="list-style-type: none"> • An introduction; • Site context and stratigraphy; • Decision thresholds; • Scope of work; • Timetable; • Curation plan; • References cited; and • Appropriate maps. <p>The XPI shall be completed, and results documented in a memo summarizing the XPI methods and findings prepared by the qualified archaeologist, prior to the beginning of ground-disturbing activities associated with the project so that the results may be used in project planning. The memo reporting either positive or negative results shall also be communicated to the South Central Coastal Information Center (SCCIC).</p> <p>If no subsurface or potentially significant archaeological resources are identified during the XPI:</p> <ul style="list-style-type: none"> • An Archaeological Resources Monitoring and Discovery Plan (ARMDP) shall be prepared in accordance with Mitigation Measure AR-F. • Upon the start of ground-disturbing activities, Mitigation Measures AR-C (WEAP) and AR-G (Archaeological Monitoring) shall apply. • Mitigation shall be considered complete when documentation is completed in accordance with Mitigation Measure AR-J (Reporting). <p>If potentially significant subsurface archaeological resources are identified during the XPI:</p> <ul style="list-style-type: none"> • If feasible, the identified subsurface site location shall be avoided by planned construction. If avoidance is not feasible, then | | | |

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| | <p>a Treatment Plan and Phase III data recovery in accordance with Mitigation Measures AR-I shall be implemented. Following implementation of AR-I, ground-disturbing activities may commence with implementation of Mitigation Measures AR-C (WEAP) and AR-G (Archaeological Monitoring).</p> <ul style="list-style-type: none"> Mitigation shall be considered complete when documentation is completed in accordance with Mitigation Measures AR-J (Reporting). | | | |
| | <p>AR-F Archaeological Resources Monitoring and Discovery Plan: This mitigation measure shall apply to projects located within known listed/potentially eligible archaeological sites on campus and/or a 25-foot radius of the known archaeological site boundary. If determined to be required following implementation of Mitigation Measure AR-A (Initial Project Review), an Archaeological Resources Monitoring and Discovery Plan (ARMDP) shall be prepared for projects with the potential to impact known listed/potentially eligible archaeological sites. The ARMDP shall clearly specify the steps to be taken to mitigate impacts to archaeological resources. The ARMDP shall specify monitoring methods, personnel, and procedures to be followed in the event of a discovery. All work shall be conducted under the direction of a qualified archaeologist who meets the Secretary of the Interior’s Professional Qualification Standards for Archaeology (48 Federal Register 44738). ARMDPs for previous projects on campus may be utilized if applicable as determined by the qualified archaeologist. The ARMDP shall include, at a minimum:</p> <ul style="list-style-type: none"> An introduction; Project description; Statement of archaeological sensitivity and | <p>Prepare ARMDP prior to ground-disturbing activities for projects located within known listed/potentially eligible archaeological sites on campus and/or a 25-foot radius of the known archaeological site boundary.</p> | <p>One time prior to ground-disturbing activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>rationale for the monitoring program;</p> <ul style="list-style-type: none"> • Archaeological context and research design; • Statement of methods and identification of what activities require monitoring; • Description of monitoring procedures; • Outline the protocol to be followed in the event of a find; • Terms of the final disposition of any non-funerary artifacts; • Criteria and triggers identified when further consultation is required for the evaluation and treatment of a find; • Key staff, including Native American monitors, shall be identified, and the process of notification and consultation shall be specified in the event of a potentially significant find; and • A curation plan. <p>Once the ARMDP is prepared, ground-disturbing activities may commence with the implementation of Mitigation Measures AR-C (WEAP) and AR-G (Archaeological Monitoring).</p> <p>If no subsurface or potentially significant archaeological resources are identified:</p> <ul style="list-style-type: none"> • Mitigation shall be considered complete when documentation is completed in accordance with Mitigation Measure AR-J (Reporting). <p>If potentially significant subsurface archaeological resources are encountered during ground-disturbing activities:</p> <ul style="list-style-type: none"> • Work shall stop immediately and Mitigation Measure AR-H (Evaluation of Unanticipated Finds) shall apply. | | | |

| Environmental Impact | Mitigation Measure | Implementation Timing | Monitoring Frequency | Responsible Party |
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| | <p>AR-G Archaeological Resources Monitoring: At the discretion of the qualified archaeologist pursuant to Mitigation Measure AR-A, for projects located within known listed/potentially eligible archaeological sites on campus and/or a 25-foot radius of the known archaeological site boundary, this mitigation measure shall apply following implementation of an ARMDP developed pursuant to Mitigation Measure AR-F, or implementation of an archaeological resources Treatment Plan developed pursuant to Mitigation Measure AR-I. This mitigation measure shall also apply, at the discretion of the qualified archaeologist pursuant to Mitigation Measure AR-A (Initial Project Review), for projects located in unknown/ineligible archaeological sites on campus requiring ground-disturbing activities. Due to the potential to encounter archaeological resources, archaeological monitoring shall be conducted by an archaeological monitor who is working under the guidance of a qualified archaeologist meeting the Secretary of the Interior’s Professional Qualification Standards for Archaeology (48 Federal Register 44738). To preserve the integrity of the tribal consultation process, archaeological support services, including monitoring, shall be provided by an entity separate and distinct from that providing Native American support services. The archaeological monitor shall observe ground-disturbing activities. If discoveries are made during ground-disturbing activities, additional work may be required in compliance with Mitigation Measure AR-H (Evaluation of Unanticipated Finds). If no subsurface or potentially significant archaeological resources are identified:</p> | <p>Monitor during ground-disturbing activities.</p> | <p>Ongoing during ground-disturbing activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <ul style="list-style-type: none"> Mitigation shall be considered complete when documentation is completed in accordance with Mitigation Measure AR-J (Reporting). <p>If potentially significant subsurface archaeological resources are encountered during ground-disturbing activities:</p> <ul style="list-style-type: none"> Work shall stop immediately and Mitigation Measure AR-H (Evaluation of Unanticipated Finds) shall apply. | | | |
| | <p>AR-H Evaluation of Unanticipated Finds; Phase II Testing: In the event an unanticipated archaeological resource is unearthed during ground-disturbing activities associated with any campus project, work shall stop immediately and the discovery shall be evaluated by a qualified archaeologist meeting the Secretary of the Interior’s Professional Qualification Standards for Archaeology (48 Federal Register 44738), pursuant to the procedures set forth at CEQA Guidelines Section 15064.5. Depending on the nature of the find, the determination of significance may require additional excavation, potentially including the preparation and execution of a Phase II Archaeological Testing Plan. As the lead agency, CSULB shall make a determination of significance on the basis of the recommendations of the qualified archaeologist and submit this determination of significance to the State Historic Preservation Officer (SHPO) for review and comment. The results of testing shall be presented in an appropriate memorandum or report and communicated to the SCCIC.</p> <p>If the resource is determined not to be significant:</p> <ul style="list-style-type: none"> Resource-specific work is complete, and Mitigation Measure AR-I (Archaeological | <p>Ongoing during ground-disturbing activities.</p> | <p>As needed during ground-disturbing activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>Resources Treatment Plan) does not apply.</p> <ul style="list-style-type: none"> Archaeological monitoring in accordance with Mitigation Measure AR-G shall still apply unless otherwise stipulated in the ARMDP. Mitigation shall be considered complete when documentation is completed in accordance with Mitigation Measure AR-J (Reporting). <p>If the resource is determined to be significant and avoidance is not feasible:</p> <ul style="list-style-type: none"> Mitigation Measure AR-I is required, in which a resource-specific Archaeological Resources Treatment Plan shall be prepared and executed prior to recommencing ground-disturbing activities that may impact the resource. Archaeological monitoring in accordance with Mitigation Measure AR-G shall still apply unless otherwise stipulated in the ARMDP. | | | |
| | <p>AR-I Archaeological Resources Treatment Plan; Phase III Data Recovery: As determined by a qualified archaeologist who meets the Secretary of the Interior’s Professional Qualification Standards for Archaeology (48 Federal Register 44738), if a significant resource is identified within the project site, an archaeological resources Treatment Plan shall be developed that will govern the treatment of the resource if it is encountered. CSULB shall provide via e-mail a copy of the Treatment Plan to the tribe or tribes traditionally and culturally affiliated with the geographic area of the CSULB main campus as identified by the Native American Heritage Commission and tribes shall be given 7 days to provide comments. Avoidance and preservation-in-place are the preferred treatment for archaeological resources, and the Treatment Plan shall detail plans for</p> | <p>Prepare Treatment Plan if significant resource is identified during ground-disturbing activities.</p> <p>Conduct Phase III data recovery if disturbance to resources cannot be avoided,</p> | <p>Ongoing during ground-disturbing activities.</p> <p>On a weekly basis for all bone recovered as a result of Phase III excavations.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>avoidance, if possible, such as restricting work to disturbed soil or limiting the depth of excavations to avoid archaeological resources.</p> <p>If disturbance to resources cannot be avoided, a Phase III (data recovery) investigation shall be required, pursuant to CEQA Guidelines Section 15064.5. The Phase III data recovery plan shall be prepared in consultation with SHPO. The Phase III data recovery plan shall generally consist of:</p> <ul style="list-style-type: none"> • A limited scale program of archaeological excavation; • Radiocarbon dating of organic materials, such as shell midden and faunal remains; • Laboratory analysis; and • Report writing designed to assess the importance of the resource in question. • Any resources recovered shall be properly curated, as appropriate. <p>Once the Treatment Plan is prepared and, if applicable, the Phase III data recovery is conducted, ground-disturbing activities may commence or continue with the implementation of Mitigation Measures AR-C (WEAP) and AR-G (Archaeological Monitoring).</p> <p>All bone recovered as a result of Phase III excavations shall be analyzed by a qualified osteologist or physical anthropologist at minimum on a weekly basis while excavations are underway in order to identify whether any human remains are included in the collection so that they may be appropriately treated in compliance with Mitigation Measure AR-D (Treatment of Human Remains).</p> <p>Phase III work shall be considered complete and ground-disturbing activities may commence when:</p> | | | |

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| | <ul style="list-style-type: none"> Archaeological excavations are completed in accordance with the Phase III data recovery plan and to the satisfaction of CSULB and the qualified archaeologist. Documentation is completed in accordance with Mitigation Measure AR-J (Reporting). The report shall be completed and presented to CSULB for comment within 18 months of the completion of Phase III excavations. | | | |
| | <p>AR-J Reporting: If a mitigation measure is implemented that requires documentation or reporting, then mitigation shall be considered complete when documentation of findings is completed to a level satisfactory to the qualified archaeologist who meets the Secretary of the Interior’s Professional Qualification Standards for Archaeology (48 Federal Register 44738), in coordination with CSULB, and filed with the SCCIC of the California Historical Resources Information System. Specific reporting requirements shall be detailed in the ARMDP, Treatment Plan, and other plans created in the course of the Master Plan Update or in compliance with the above mitigation measures.</p> <p>A monitoring technical report documenting activities monitored, monitoring actions taken, and a description of finds shall be submitted to the SCCIC after approval by CSULB.</p> <p>If the results of monitoring for significant resources are negative, or only non-significant finds or isolates are encountered, then the report shall take the form of a memorandum, and shall include, at minimum:</p> <ul style="list-style-type: none"> Undertaking information; Appropriate maps of the project area; Qualifications of monitoring staff; | <p>Following evaluation of finds.</p> <p>For negative or non-significant finds or isolates, submit report to CSULB within 8 weeks of the completion of project fieldwork.</p> <p>For positive or significant finds, submit report to CSULB for comment within 18 months of the completion of project fieldwork.</p> | <p>Confirm measure is implemented following evaluation of finds.</p> | <p>CSULB Design & Construction Services</p> |

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| | <ul style="list-style-type: none"> • Monitoring locations and methods; • Dates of monitoring; and • As necessary, management considerations and recommendations for future work. • The memorandum shall be submitted to CSULB for comment within 8 weeks of the completion of project fieldwork and communicated to the SCCIC when completed to the satisfaction of CSULB. <p>If the results of monitoring are positive for significant resources, then the report shall be prepared in accordance with the California Office of Historic Preservation’s “Archaeological Resource Management Reports: Recommended Contents and Format”, and shall include:</p> <ul style="list-style-type: none"> • A management summary; • Undertaking information; • Appropriate maps of both the project area and impacted resources; • An environmental setting; • Prehistoric, ethnographic, and historic contexts; • Research design; • Methods; • A thorough report of findings; • A discussion of the data obtained and the resource’s significance in reference to the historic, ethnographic, and prehistoric contexts; • A record of the final disposition of excavated artifacts and any intact archaeological resources; • Management considerations and recommendations for future work that may impact the resource; and • References. | | | |

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| | <ul style="list-style-type: none"> • Other report sections may also be required as determined by CSULB with the recommendations of the qualified archaeologist. • The report shall be submitted to CSULB for comment within 18 months of the completion of project fieldwork, and shall be communicated to the SCCIC when completed to the satisfaction of CSULB. <p>Appropriate DPR 523 series forms shall also be prepared as appropriate for newly identified resources or resources that, in the estimation of the qualified archaeologist, require updated forms and submitted to the SCCIC. Minimal documentation of previously unknown isolated finds shall consist of a sufficient description of the find to prepare a DPR 523a Primary Form (including photographs) and appropriate maps. Minimum documentation of previously unknown archaeological sites shall consist of a:</p> <ul style="list-style-type: none"> • Sufficient description of the find to prepare a DPR 523a Primary Form (including photographs); • DPR 523c Archaeological Site Record; • DPR 523j Location Map; and • DPR 523k Sketch Map. <p>Updated forms may be required for documented resources if:</p> <ul style="list-style-type: none"> • There has been a substantial change to the significance of the resource (e.g., if it is found to be destroyed), • Newly identified archaeological features or attributes of the site are identified that are not otherwise documented in the existing DPR forms, or | | | |

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| | <ul style="list-style-type: none"> For any reason the qualified archaeologist finds the existing forms to be inadequate. <p>Minimum documentation of known resources shall consist of a DPR 523L Update form if considered necessary by the qualified archaeologist. Additional forms may also be required to appropriately document resources at the discretion of CSULB and the qualified archaeologist.</p> | | | |
| | <p>AR-K Curation and Final Disposition of Archaeological Materials: Archaeological material collected during ground-disturbing activities for projects shall be processed and curated according to current professional repository standards unless otherwise determined by the lead agency as the result of consultation. The collections and associated records shall be transferred, including title, to an appropriate curation facility, to be accompanied by payment of the fees necessary for permanent curation. Final disposition of resources of Native American origin shall be determined in accordance with the ARMDP in Mitigation Measure AR-F or Treatment Plan in Mitigation Measure AR-I.</p> <p>Minimum documentation before any final disposition of the artifacts shall consist of:</p> <ul style="list-style-type: none"> Count; Weight; A basic description of all artifacts; and Include photographic documentation of any diagnostic artifacts and a representative sample of non-diagnostic artifacts. | <p>Complete processing and curation upon completion of evaluation of significant finds.</p> | <p>Confirm measure is implemented following evaluation of finds.</p> | <p>CSULB Design & Construction Services</p> |
| <p>CUL-3 Would the project disturb any human remains, including those interred outside of dedicated cemeteries?</p> | <p>AR-D Treatment of Unanticipated Finds of Human Remains: If human skeletal remains are found at any project site during ground-disturbing activities, work shall be suspended and the Los Angeles County Coroner’s Office shall be notified.</p> | <p>Ongoing during ground-disturbing activities.</p> <p>Incorporate</p> | <p>Ongoing during ground-disturbing activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>Standard guidelines set by California law provide for the treatment of skeletal material of Native American origin (California Public Resources Code, Sections 5097.98 et seq.; Health and Safety Code, Section 7050.5). If the remains are found to be archaeological, then after the coroner releases the site, the qualified professional archaeologist, in consultation with the most likely descendant, shall prepare an archaeological resources Treatment Plan in accordance with Mitigation Measure AR-I that also incorporates the guidance in “A Professional Guide for the Preservation and Protection of Native American Remains and Associated Grave Goods,” published by the California Native American Heritage Commission. The plan shall follow the Native American Graves Protection and Repatriation Act/ CalNAGPRA rules, and include the terms of any reburial or final disposition and any necessary CSULB assistance required for the reburial or associated ceremonies. Human remains recovered and awaiting repatriation shall be held in a secure location unless otherwise determined by the CSU in consultation with the Most Likely Descendent.</p> <p>At the discretion of the qualified archaeologist pursuant to Mitigation Measure AR-A, the following mitigation measures may apply.</p> | <p>measures into construction contracts, as relevant.</p> | | |

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| GEOLOGY, SOILS, AND PALEONTOLOGICAL RESOURCES | | | | |
| <p>GEO-1 Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?</p> | <p>GEO-A Prior to the commencement of any ground-disturbing activities that would impact native soils (including, but not limited to grading, boring, excavating, digging, trenching, rig anchor installation, drilling, tunneling, auguring, and blasting) at a depth of 4 feet or greater below ground surface, CSULB shall consult with a Society of Vertebrate Paleontology (SVP)-qualified paleontologist.</p> <p>The qualified paleontologist shall review:</p> <ul style="list-style-type: none"> • The proposed scope of work; • Excavation plans against the data and the analysis in the Paleontological Resources Memorandum; and • Any available geotechnical studies or boring logs. <p>The paleontologist shall determine to what level the proposed project excavations have the potential to impact paleontological resources. Any geotechnical boring, potholing, or other project-specific exploratory ground-disturbance shall be monitored at the qualified paleontologist’s discretion.</p> <p>If the paleontologist determines that the project will not impact paleontological resources:</p> <ul style="list-style-type: none"> • Mitigation Measures GEO-B and GEO-C shall not apply. | <p>Consultation to occur prior to the start of any ground-disturbing activities that would impact native soils.</p> | <p>Ongoing at the discretion of the qualified paleontologist.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>If the paleontologist determines the proposed scope of work is found to not meet the SVP Standards or the geotechnical investigation identifies medium- to high-potential to encounter undisturbed geologic contexts, the qualified paleontologist, in consultation with CSULB, shall include recommendations for the project.</p> <p>Recommendations can include:</p> <ul style="list-style-type: none"> • Paleontological monitoring by a qualified paleontologist in accordance with Mitigation Measure GEO-B; and • Worker environmental awareness training in accordance with Mitigation Measure GEO-D. | | | |
| | <p>GEO-B As determined by the SVP-qualified paleontologist in consultation with CSULB, paleontological monitoring shall be required for the following types of projects:</p> <ul style="list-style-type: none"> • Found not to meet the SVP Standards; • The geotechnical investigation identifies medium- to high-potential to encounter undisturbed geologic contexts; or • Ground-disturbing construction activities (including, but not limited to grading, boring, excavating, digging, trenching, rig anchor installation, drilling, tunneling, auguring, and blasting) into native Pleistocene-age soil and bedrock at a depth of 4 feet or greater below ground surface are required. <p>At the discretion of the qualified paleontologist, the level of monitoring may range from full-time or part-time (spot-check), based on the qualified paleontologist’s review of plans and relevant documentation as well as on-site observations.</p> | <p>During ground-disturbing activities that would impact native soils.</p> | <p>Ongoing at the discretion of the qualified paleontologist.</p> | <p>CSULB Design & Construction Services</p> |

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| | <ul style="list-style-type: none"> • If no significant fossils are recovered after 50 percent of ground-disturbing activities has been completed, full-time monitoring may be modified to weekly spot-check monitoring. • If it is determined during the course of ground-disturbing activities that project excavations are located within fill or previously disturbed soils, or that the sensitivity for significant paleontological resources is otherwise low, monitoring may be reduced or suspended. • The determination to reduce or discontinue paleontological monitoring in the project area shall be based on the professional opinion of the qualified paleontologist regarding the potential for fossils to be present after a reasonable extent of the geology and stratigraphy has been evaluated. The qualified paleontologist shall attend preconstruction meetings, as deemed necessary by the paleontologist in consultation with CSULB, and manage the paleontological monitor(s) if the qualified paleontologist is not doing the monitoring. The paleontological monitor shall maintain logs and provide a final summary report of all ground-disturbing activities monitored with the potential to disturb paleontological resources. <p>In the event that fossils are discovered during grading at any depth, the following shall be required:</p> <ul style="list-style-type: none"> • The on-site construction supervisor shall be notified immediately and shall redirect work away from the location of the discovery. • The contractor shall notify CSULB and consult with the qualified paleontologist to assess the significance of the find in accordance with SVP Standards. | | | |

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| | <p>If any find is determined to be significant, appropriate avoidance measures recommended by the qualified paleontologist and approved by CSULB shall be followed. If avoidance is unnecessary or infeasible, then Mitigation Measure GEO-C shall be implemented. The recommendations of the paleontologist shall be implemented with respect to the evaluation and recovery of fossils, after which the on-site construction supervisor shall be notified and shall direct work to continue in the location of the fossil discovery.</p> <p>If any find is determined not to be significant, then work shall proceed, and Mitigation Measure GEO-C would not apply.</p> | | | |
| | <p>GEO-C If the fossils are determined to be significant, then the SVP-qualified paleontologist shall prepare and implement a data recovery plan. The plan shall generally detail the nature and purpose of the paleontological investigation. The plan shall:</p> <ul style="list-style-type: none"> • Incorporate resource context; • Incorporate appropriate field methods for data collection depending on the type of fossils found; and • Detail how the fossils will be prepared, cleaned, identified, catalogued, temporarily housed, and permanently curated with an appropriate institution with a research interest in the materials (which may include the Natural History Museum of Los Angeles County). <p>The qualified paleontologist shall ensure that curation of fossils is completed in consultation with CSULB. A letter of acceptance from the curation institution shall be submitted to CSULB.</p> | <p>Prepare and implement data recovery plan upon discovery of significant fossils during ground-disturbing activities.</p> <p>If applicable, complete and present report to CSULB for comment within 18 months of the completion of excavations.</p> | <p>Confirm measure is implemented upon discovery of significant fossils.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>Ground-disturbing construction activities may commence once excavations are completed in accordance with the data recovery plan and to the satisfaction of CSULB in consultation with the qualified paleontologist. However, the data recovery work shall not be considered complete until excavations and associated analyses are completed and a final report is prepared. The report shall be completed and presented to CSULB for comment within 18 months of the completion of excavations.</p> | | | |
| | <p>GEO-D As determined by the SVP-qualified paleontologist in consultation with CSULB, and prior to the beginning of ground-disturbing activities (including, but not limited to grading, boring, excavating, digging, trenching, rig anchor installation, drilling, tunneling, auguring, and blasting) by the construction crew, the construction crew associated with ground-disturbing activities shall be informed on how to identify paleontological localities, such as fossils, and of the regulatory protections afforded those resources. The crew shall also be informed of procedures relating to the discovery of unanticipated paleontological resources. The crew shall be cautioned not to collect fossils, and directed to inform a construction supervisor and the on-site paleontological monitor, if available, in the event that paleontological resources are discovered during the course of construction.</p> | <p>Prior to ground-disturbing activities.</p> | <p>One time prior to ground-disturbing activities, and ongoing with new construction personnel.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>The initial training shall be conducted by the on-site paleontological monitor and can be incorporated into the project's construction safety training. A supplemental briefing shall be provided to all new construction personnel that are associated with ground-disturbing activities prior to their commencement of ground-disturbing activities, and may consist of reviewing presentation slides or viewing a recording.</p> | | | |
| NOISE | | | | |
| <p>NOI-1 Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?</p> | <p>NOI-A The following measures shall be implemented to minimize construction noise:</p> <ol style="list-style-type: none"> 1. Construction activity shall generally be limited to the daytime between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday, and between the hours of 9:00 a.m. and 6:00 p.m. on Saturday and Sunday. Construction activities shall be prohibited on Federal holidays. Loud construction (e.g., asphalt removal, large-scale grading operations) shall not be scheduled on Sundays or during finals week and preferentially shall be scheduled during school breaks, summer/winter break, etc. 2. All construction equipment shall be properly maintained and equipped with noise reducing air intakes, exhaust mufflers, and engine shrouds in accordance with manufacturers' recommendations. Equipment engine shrouds shall be closed during equipment operation. 3. Electrical power, rather than diesel equipment, shall be used to run compressors and similar power tools and to power any temporary structures, such as construction trailers. 4. All stationary construction equipment (e.g., electrical generators, pumps, refrigeration units, and air compressors) and equipment | <p>During construction activities.</p> <p>Incorporate measure into construction contracts, as relevant.</p> | <p>Ongoing during construction activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>staging areas shall be located as far as feasible from occupied residences adjacent to the CSULB main campus and the Beachside Village property or the Discovery Preschool located 5550 East Atherton Street.</p> <p>5. When anticipated construction activities are expected to occur less than 140 feet from an existing off-campus residential land use, one or more of the following techniques shall be employed to keep noise levels below a threshold of 75 dBA at potentially affected sensitive receptors:</p> <ul style="list-style-type: none"> a. Reduce construction equipment and vehicle idling and active operation duration. b. Install or erect on-site a temporary, solid noise wall (or acoustical blanket having sufficient mass, such as the incorporation of a mass-loaded vinyl skin or septum) of adequate height and horizontal extent so that it linearly occludes the direct sound path between the noise-producing construction process(es) or equipment and the sensitive receptor(s) of concern. c. Where impact-type equipment is anticipated onsite, apply noise-attenuating shields, shrouds, portable barriers or enclosures, to reduce the magnitudes of generated impulse noises. | | | |
| | <p>NOI-B If nighttime construction is required, noise levels shall not exceed 65 dB L_{max} when measured at the construction site boundary between the hours of 7:00 p.m. and 7:00 a.m. One or more of the following techniques shall be employed:</p> | <p>During construction activities.</p> <p>Incorporate measure into construction contracts, as</p> | <p>Ongoing during any construction activities that would occur at nighttime.</p> | <p>CSULB Design & Construction Services</p> |

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| | <ol style="list-style-type: none"> 1. The construction contractor shall limit haul truck deliveries to the same hours specified for construction activities (between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday, and between the hours of 9:00 a.m. and 6:00 p.m. on Saturday and Sunday). The haul route exhibit shall design delivery routes to minimize the exposure of sensitive land uses or residential dwellings to delivery truck-related noise. 2. The on-site speed limit for all vehicles and construction equipment shall be limited to 15 mph on any construction site. | relevant. | | |
| | <p>NOI-C Jack Rose Track/Commencement Facilities Crowd Noise: To minimize operational noise levels generated during events at the Jack Rose Track, a noise assessment shall be conducted by a qualified acoustical engineer or noise specialist to evaluate potential increases in noise levels associated with crowd noise from events at the proposed Jack Rose Track/Commencement Facilities project, including the collection of new ambient noise measurements. The assessment shall be conducted prior to final design. All recommended noise reduction measures shall be incorporated into the design to reduce increases in existing operational noise levels at nearby noise-sensitive land uses to not cause a 3 dBA increase over ambient noise levels and exceed the applicable land use compatibility standard. Such measures may include, but are not limited to, the incorporation of structural shielding and revised placement for amplified sound system speakers.</p> | Assess operational noise levels prior to final design. | Confirm measure is being implemented during final design review. | CSULB Design & Construction Services |
| TRIBAL CULTURAL RESOURCES | | | | |
| TCR-1 Would the project cause a substantial adverse change in the | TCR-A Worker Environmental Awareness Program for Tribal Cultural Resources: Due to | Prior to ground-disturbing | One time prior to ground- | CSULB Design & |

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| <p>significance of a tribal cultural resource, defined in Public Resources Code § 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?</p> | <p>the potential to encounter unanticipated resources, prior to the beginning of ground-disturbing activities by the construction crew, the construction crew associated with ground-disturbing activities shall be informed of the tribal cultural resource’s values involved and of the regulatory protections afforded those resources. The crew shall also be informed of procedures relating to the discovery of unanticipated resources that require evaluation as potential tribal cultural resources.</p> <p>The crew shall be cautioned not to collect artifacts, and directed to inform a construction supervisor and the onsite Native American monitor in the event that tribal cultural resources are discovered during the course of construction.</p> <p>The initial training shall be conducted by the on-site Native American monitor and can be incorporated into the project’s construction safety training or in conjunction with the Worker Environmental Awareness Program for Archaeological Resources in accordance with Mitigation Measure AR-C. A supplemental briefing shall be provided to all new construction personnel that are associated with ground-disturbing activities, and may consist of reviewing presentation slides or viewing a recording.</p> | <p>activities.</p> | <p>disturbing activities, and ongoing with new construction personnel.</p> | <p>Construction Services</p> |
| | <p>TCR-B Native American Monitoring: This mitigation measure shall apply to projects requiring ground-disturbing activities located within known listed/potentially eligible archaeological sites on campus and/or a 25-foot radius of the known archaeological site boundary, including for ground-disturbing activities conducted by an archaeologist. This mitigation measure shall also apply, at the discretion of the qualified archaeologist pursuant to Mitigation Measure AR-A (Initial Project Review), for projects located in unknown/ineligible</p> | <p>Monitor during ground-disturbing activities for projects located within known listed/potentially eligible archaeological sites on campus and/or a 25-foot radius of the</p> | <p>Ongoing during ground-disturbing activities.</p> | <p>CSULB Design & Construction Services</p> |

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| | <p>archaeological sites on campus requiring ground-disturbing activities.</p> <p>Due to the potential to encounter unanticipated resources, Native American monitoring shall be conducted by a qualified Native American monitor representing the tribe or tribes traditionally and culturally affiliated with the geographic area of the CSULB main campus. To ensure that any firm providing Native American monitoring services has the authority to represent the interests of Native American tribes traditionally and culturally affiliated with the geographic area of the CSULB main campus, any firm contracted for this purpose that is not owned outright by a state-recognized tribal government must provide CSULB with a designee letter provided by one of the Tribes listed on the NAHC tribal contact list.</p> <p>To preserve the integrity of the tribal consultation process, archaeological support services, including monitoring, shall be provided by an entity separate and distinct from that providing Native American support services. The tribal cultural monitor shall observe ground-disturbing activities, maintain logs of all activities monitored, and will make documentation available to CSULB and all consulting Native American parties who request a record of the logs.</p> <p>The log shall contain at a minimum:</p> <ul style="list-style-type: none"> • A brief description of the locations and activities monitored; • A description of tribal cultural resources encountered; and • A description of the treatment of those resources. <p>The logs shall be compiled and submitted to CSULB within 4 weeks of the completion of monitoring.</p> | <p>known archaeological site boundary.</p> <p>Compile and submit logs to CSULB within 4 weeks of the completion of monitoring.</p> | | |

| Environmental Impact | Mitigation Measure | Implementation Timing | Monitoring Frequency | Responsible Party |
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| | <p>TCR-C Treatment of Tribal Cultural Resources: This mitigation measure applies to projects located within listed/potentially eligible archaeological sites on campus and/or a 25-foot radius of the known archaeological site boundary.</p> <p>If a significant tribal cultural resource, as defined by Public Resources Code Section 21074, is identified within the project site, then prior to the beginning of the ground-disturbing activities within the documented boundaries of the resource or a 25-foot buffer:</p> <ul style="list-style-type: none"> • CSULB shall provide via e-mail a copy of the Treatment Plan prepared pursuant to Mitigation Measure AR-I to the tribe or tribes traditionally and culturally affiliated with the geographic area of the CSULB main campus as identified by the Native American Heritage Commission; and • Tribes shall be offered an opportunity to comment within 10 business days on the Treatment Plan developed that will govern the treatment of the resource. <p>Avoidance and preservation-in-place are the preferred treatment for tribal cultural resources, and the Treatment Plan will detail plans for avoidance, if possible, such as restricting work to disturbed soil or limiting the depth of excavations to avoid potential tribal cultural resources.</p> | <p>Consult with tribes prior to the start of ground-disturbing activities for projects located within listed/potentially eligible archaeological sites on campus and/or a 25-foot radius of the known archaeological site boundary.</p> | <p>Once prior to the start of ground-disturbing activities.</p> | <p>CSULB Design & Construction Services</p> |
| | <p>TCR-D Commemorative Sign: In consultation with the tribes consulting on this Master Plan Update and other interested Native American campus groups, the CSU shall design, create, and place in an appropriate conspicuous location a sign that shall commemorate the National Historic Register of Places and California Historical Place and California Register of Historical Resources</p> | <p>Implement commemorative sign following adoption of the Master Plan Update after consulting with</p> | <p>Confirm measure is implemented following adoption of the Master Plan Update.</p> | <p>CSULB Design & Construction Services</p> |

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| | listed site, Puvunga Indian Village Sites. In keeping with state law, no information regarding the archaeological site, artifacts, tribal cultural resources, or other confidential topics shall be included in the signage. No tribal government shall be given precedence in the signage over any other tribal government identified by the Native American Heritage Commission. | tribes. | | |
| <p>TCR-2 Would the project the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code § 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code § 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code § 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?</p> | See Mitigation Measures TCR-A through TCR-D above. | See implementation timing for Mitigation Measures TCR-A through TCR-D above. | See monitoring frequency for Mitigation Measures TCR-A through TCR-D above. | CSULB Design & Construction Services |
| PROJECT DESIGN FEATURES | | | | |
| Hydrology and Water Quality | PDF-HWQ-1: Develop project-specific Best Management Practices for all projects regardless of acreage, which may include treatment controls; | Ongoing during Master Plan | Confirm PDF is being implemented | CSULB Design & Construction |

| Environmental Impact | Mitigation Measure | Implementation Timing | Monitoring Frequency | Responsible Party |
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| | operating procedures; practices to control site runoff, spills and leaks, sludge or waste disposal, or drainage from raw material storage; and structural and non-structural measures. | implementation. Incorporate measure into construction contracts, as relevant. | during design review. | Services |
| | PDF-HWQ-2: Implement effective stormwater management practices where feasible, such as installing inlet basin filters at parking lots, collecting and treating stormwater runoff in bioretention basins along Bouton Creek, and constructing bioswales. | Ongoing during Master Plan implementation. Incorporate measure into construction contracts, as relevant. | Confirm PDF is being implemented during design review. | CSULB Design & Construction Services |
| | PDF-HWQ-3: Produce less runoff than pre-development conditions or match pre-development conditions at minimum. | Ongoing during Master Plan implementation. Incorporate measure into construction contracts, as relevant. | Confirm PDF is being implemented during design review. | CSULB Design & Construction Services |
| Public Services and Recreation | PDF-PSR-1: Notify UPD of construction activities that would require any temporary lane closures and alternate routes/detours. | Prior to the start of and during construction activities. | Ongoing. | CSULB Design & Construction Services |