Mitigation Monitoring and Reporting Program

for the

Resources Building Renovation Project

State Clearinghouse No. 2019120011

Prepared for

CALIFORNIA DEPARTMENT OF GENERAL SERVICES  
Mailing Address: P.O. Box 989052, West Sacramento, CA 95798Street Address: 707 3rd Street, MS-509, West Sacramento, CA 95605Stephanie Coleman, Senior Environmental Planner  
(916) 376-1602

Prepared by

Ascent Environmental, Inc.  
455 Capitol Mall, Suite 300  
Sacramento, CA 95814  
Suzanne Enslow  
Project Manager

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# Introduction

The California Environmental Quality Act (CEQA) requires public agencies to adopt a mitigation reporting or monitoring program for all projects for which an environmental impact report has been prepared (Public Resources Code, Section 21081.6; State CEQA Guidelines, Section 15091). This is intended to ensure the implementation of all mitigation measures adopted through the CEQA process. Specifically, Section 21081.6(a)(1) of the Public Resources Code requires a lead or responsible agency to “… adopt a reporting or monitoring program for changes made to the project or conditions of project approval, adopted to mitigate or avoid significant effects on the environment.”

The California Department of General Services (DGS) proposes a comprehensive tear-down of the Resources Building located at 1416 9th Street, in downtown Sacramento, leaving the building’s steel frame, then reinforcement/rebuild matching the current footprint, mass, and height. The project site encompasses approximately three quarters of the block bounded by N Street on the north, 9th Street on the east, O Street on the south, and 8th Street on the west. The building covers most of the southern half of the block, south of Neighbors Alley. The northeastern portion of the block, which is occupied by trees and bicycle lockers, is included in the project site as is Neighbors Alley; however, the northwestern portion, which supports the Leland Stanford Mansion State Historic Park, is not part of the project and are not included in the project site. The goal of the project is to protect the health and safety of the Resources Building occupants and to extend the useful life and viability of the building by correcting the fire/life safety deficiencies and completely upgrading all infrastructure systems. The project will address code-required improvements, including seismic upgrade, installation of a building-wide fire sprinkler system, reconstruction of three 17-story exit stair towers, and replacement of asbestos-containing fireproofing. Antiquated mechanical, plumbing, electrical, security, and telecommunication systems will be replaced. The project will make the building safe while honoring the building's historic qualities. The project goal is to achieve Zero Net Energy and Leadership in Energy and Environmental Design (LEED) Silver certification.

DGS is the lead agency for this project under CEQA. A Final Environmental Impact Report (Final EIR) for the project was certified; Findings of Fact, a Statement of Overriding Considerations, and this mitigation monitoring and reporting program (MMRP) were adopted; and the project was approved on November 30, 2020, by the Deputy Director of DGS. DGS filed a Notice of Determination with the State Clearinghouse on December 1, 2020.

This MMRP includes all mitigation measures adopted in the Final EIR.

# Program Management

The MMRP for the Resources Building Renovation Project will be in place through all phases of the project including design, construction, and operation. As lead agency under CEQA, DGS is responsible for the overall implementation and management of the MMRP, including those measures applicable to the project design and construction phases of work, and the long-term operation and maintenance of the project.

DGS is responsible for ensuring that the following procedures and measures are implemented by the appropriate entities. Where noted, DGS shall include appropriate mitigation measures or conditions in contracts to which the agency is party.

1. An implementation plan has been prepared for each mitigation measure that identifies the responsible party for implementation; the timing of compliance, including the applicable project phase(s) and monitoring frequency; and specific details about compliance verification. The mitigation measure implementation plan is attached as Appendix A of this MMRP. A MMRP Reporting Form will be prepared for each mitigation measure. A sample form is attached as Appendix B.

2. A qualified specialist(s) will perform or monitor mitigation activities requiring particular expertise or professional licenses and certifications.

3. Mitigation measures will be included as appropriate in applicable design-build and construction bid packages.

4. The MMRP Reporting Forms will be distributed to appropriate parties so that specific actions can be developed to carry out the necessary mitigation.

5. The DGS Director or an assignee will approve by signature and date the completion of each item identified on the MMRP Reporting Form.

7. All MMRP Reporting Forms for an impact issue requiring no further monitoring will be signed off as completed by the DGS Director or an assignee, at the bottom of the MMRP Reporting Form.

8. Unanticipated circumstances requiring the modification or addition of mitigation measures may arise. The DGS Director or an assignee will be responsible for approving any such modifications or additions. A MMRP Reporting Form will be completed for any such modifications. The completed form will be provided to the appropriate design, construction, or operations personnel for implementation.

10. The DGS Director has the authority to stop the work of contractors if compliance with any aspects of the MMRP is not occurring after appropriate notifications have been issued.

All active and completed MMRP Reporting Forms will be kept on file at the DGS headquarters. Forms will be available upon request at the following address:

Department of General Services  
707 3rd Street, MS-509  
West Sacramento, California 95605  
Contact: Stephanie Coleman

# Program Phases

This MMRP is intended to provide focused yet flexible guidelines for monitoring the implementation of the mitigation measures discussed in the EIR and adopted by DGS. Appendix A lists, by number, each mitigation measure adopted for the project. Table 1 correlates each measure by its assigned number to the specific phase of the project (i.e., design, construction, and/or operation) to which the measure applies. An MMRP Reporting Form (Appendix B) will be completed by the DGS Director or an assignee for each mitigation measure identified in Appendix A.

## Design Phase

The design phase includes preparation of engineering design, architectural design, and construction drawings by project design engineers and architects. Bid packages are also compiled for release to prospective construction contractors. Prior to initiation of design phase activities, the measure(s) applicable to each design phase activity are identified by the DGS Director or assignee and reviewed with the design engineer, architect, or other responsible parties. If the DGS Director or assignee determines that there is noncompliance with any of the mitigation measures to be implemented during the design phase, corrective actions are required and a follow-up review is conducted after the design documents are modified in response to the DGS comments. Reporting Forms are completed after each activity is performed.

## Construction Phase

A pre-construction meeting will be held with each contractor prior to the initiation of any construction activity for which a mitigation measure is required. The DGS Director or assignee will attend the meeting to explain the MMRP, roles and responsibilities, and implementation requirements. Construction activities will be monitored as conditions dictate to ensure that required mitigation measures are implemented. Applicable measures will be discussed with construction contractors periodically as needed to facilitate their implementation.

## Operational Phase

After project construction, the operational aspects of the MMRP will be the sole responsibility of DGS in coordination with building occupants/management. The DGS Director or assignee will review the MMRP annually to confirm compliance of the project operation with mitigation measures.

Table 1 Applicable Project Phases for Implementation of Mitigation Measures

|  |  |  |  |
| --- | --- | --- | --- |
| **Mitigation Measure** | **Applicable Phase Design** | **Applicable Phase Construction** | **Applicable Phase Operation** |
| MM 4.3-1 – Archeological, Historical, and Tribal Cultural Resources | X | X |  |
| MM 4.3-2 – Archeological, Historical, and Tribal Cultural Resources | X | X |  |
| MM 4.3-3 – Archeological, Historical, and Tribal Cultural Resources | X | X |  |
| MM 4.3-4a – Archeological, Historical, and Tribal Cultural Resources | X | X |  |
| MM 4.3-4b – Archeological, Historical, and Tribal Cultural Resources | X | X |  |
| MM 4.3-4c – Archeological, Historical, and Tribal Cultural Resources | X | X |  |
| MM 4.3-4d – Archeological, Historical, and Tribal Cultural Resources | X | X |  |
| MM 4.3-4e – Archeological, Historical, and Tribal Cultural Resources | X | X |  |
| MM 4.3-4f – Archeological, Historical, and Tribal Cultural Resources | X | X |  |
| MM 4.4-5 – Transportation and Circulation | X | X |  |
| MM 4.9-2 – Noise and Vibration | X | X |  |
| MM 4.11-1 – Biological Resources |  | X |  |
| MM 4.11-2 – Biological Resources |  | X |  |
| MM 4.11-3 – Biological Resources | X | X | X |

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Appendix A

Mitigation Measure Implementation Plan

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5Mitigation Measure  Mitigation Measure No. | Responsible Party for Implementation | Verification of Implementation  (Responsible Party) Initials | Verification of Implementation  (Responsible Party) Date | Timing of Compliance Design1 | Timing of Compliance Construction | Timing of Compliance Operation | Timing of Compliance Frequency | Verification of Compliance Name and Affiliation | Method of Compliance Verification | Verification of Compliance Signature | Verification of Compliance Date | Comments |
| Archaeological, Historical, and Tribal Cultural Resources |  |  |  |  |  |  |  |  |  |  |  |  |
| **4.3-1:** **Monitoring and Response Measures for Potential Unknown Historic Archaeological Resources.** |  |  |  |  |  |  |  |  |  |  |  |  |
| A cultural resources awareness training program shall be provided to all on-site personnel active on the project site during earthmoving activities. |  |  |  |  |  |  |  |  |  |  |  |  |
| The first training shall be provided prior to the initiation of ground-disturbing activities. The training shall be developed and conducted in coordination with a qualified archaeologist meeting the U.S. Secretary of the Interior guidelines for professional archaeologists and consulting Native American tribes. | DGSto confirm compliance prior to and during construction. |  |  | X | X |  | Once, or as needed during construction. |  |  |  |  |  |
| The program shall include relevant information regarding sensitive cultural resources, including applicable regulations, protocols for avoidance, and consequences of violating State laws and regulations. The worker cultural resources awareness program shall also describe appropriate avoidance and minimization measures for resources that have the potential to be located on the project site and shall outline what to do and whom to contact if any potential archaeological resources or artifacts are encountered. | DGSto retain qualified archaeologist and tribal monitors, if needed. |  |  |  | X |  | Once, or as needed prior to construction. |  |  |  |  |  |
| Where ground-disturbing activities occur in native soils, or there is no evidence of extensive past ground disturbances, a qualified archaeologist meeting the U.S. Secretary of the Interior guidelines for professional archaeologists shall monitor ground-disturbing activities. |  |  |  |  |  |  |  |  |  |  |  |  |
| If evidence of any historic-era subsurface archaeological features or deposits is discovered during construction-related earthmoving activities (e.g., ceramic shard, trash scatters, brick walls), all ground-disturbing activity in the area of the discovery shall be halted until a qualified archaeologist can assess the significance of the find. If after evaluation, a resource is considered significant, all preservation options shall be considered as required by CEQA, including possible data recovery, mapping, capping, or avoidance of the resource. | Contractor to halt work as stipulated and notify DGS. |  |  |  | X |  | As needed during construction. |  |  |  |  |  |
| If artifacts are recovered from significant historic archaeological resources, they shall be housed at a qualified curation facility. However, if historic-era artifacts are found to be associated with Native American tribal members, they shall be evaluated and treated consistent with the process identified in Mitigation Measure 4.3-2. The results of the identification, evaluation, and/or data recovery program for any unanticipated discoveries shall be presented in a professional-quality report that details all methods and findings, evaluates the nature and significance of the resources, analyzes and interprets the results, and distributes this information to the public. | Archaeologist to store any significant historic archaeological resources at qualified curation facility or transfer materials to appropriate tribal representative. |  |  |  | X |  | As needed during construction |  |  |  |  |  |

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|  | Mitigation Measure  Mitigation Measure No. | Responsible Party for Implementation | Verification of Implementation  (Responsible Party) Initials | Verification of Implementation  (Responsible Party) Date | Timing of Compliance Design1 | Timing of Compliance Construction | Timing of Compliance Operation | Timing of Compliance Frequency | Verification of Compliance Name and Affiliation | Method of Compliance Verification | Verification of Compliance Signature | Verification of Compliance Date | Comments |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Archaeological, Historical, and Tribal Cultural Resources |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **4.3-2: Monitoring and Response Measures for Potential Unknown Precontact Archaeological Resources and Tribal Cultural Resources.**  This mitigation measure expands on the actions included in Mitigation Measure 4.3-1 to also address encountering unknown precontact archaeological and tribal cultural resources. |  |  |  |  |  |  |  |  |  |  |  |  |
|  | A representative or representatives from a culturally affiliated Native American Tribe(s) will be invited to participate in the development and delivery of the cultural resources awareness training program included in Mitigation Measure 4.3-1. The program will include relevant information regarding sensitive tribal cultural resources, including applicable regulations, protocols for avoidance, and consequences of violating State laws and regulations. The program will also underscore the requirement for confidentiality and culturally appropriate treatment of any find of significance to Native Americans and behaviors, consistent with Native American Tribal values. | DGS to prepare and conduct cultural resources awareness training program. |  |  | X |  |  | Once prior to construction. |  |  |  |  |  |
|  | Where ground disturbing activities occur in native soils, or there is no evidence of extensive past ground disturbances, or evidence suggests that imported soils have a high probability of containing artifacts and materials of importance to tribal entities, a qualified archaeologist and Native American tribal monitor(s) will monitor ground-disturbing activities. Interested Native American Tribes will be provided at least seven days’ notice prior to the initiation of ground disturbing activities. If any previously undisturbed native soil is imported to the project site for fill or other purposes, the archaeologist and the tribal monitor(s) will also monitor handling and placement of this material to determine if archaeological material may be imported with the native soil. The determination for initiating or ending monitoring disturbance of imported soils will be made based on coordination between the qualified archeologist and tribal monitor(s), with a final determination made by DGS. | DGS to retain qualified archaeologist and tribal monitors, if needed. |  |  | X | X |  | Monitoring as needed during construction. |  |  |  |  |  |
|  | If evidence of any precontact subsurface archaeological features or deposits are discovered during construction-related earth-moving activities (e.g., lithic scatters, midden soils), all ground-disturbing activity in the vicinity of the discovery shall be halted until a qualified archaeologist and Native American representative can assess the significance of the find. If after evaluation, a resource is considered significant, or is considered a tribal cultural resource, all preservation options shall be considered as required by CEQA, including possible data recovery, mapping, capping, or avoidance of the resource. If artifacts must be recovered from significant precontact archaeological resources, they shall be transferred to an appropriate tribal representative, or housed at a qualified curation facility. | Contractor to halt work as stipulated and notify DGS. |  |  |  | X |  | As needed during construction. |  |  |  |  |  |
|  | If artifacts or other materials must be removed, preference shall be given to transferring materials to an appropriate tribal representative and re-interring the material at a location on the project site. The results of the identification, evaluation, and/or data recovery program for any unanticipated discoveries shall be presented in a professional-quality report that details all methods and findings, evaluates the nature and significance of the resources, analyzes and interprets the results, and distributes this information to the public. | Archaeologist to store any significant historic archaeological resources at qualified curation facility or transfer materials to appropriate tribal representative. |  |  |  |  |  | As needed during construction. |  |  |  |  |  |
|  | **Monitoring and Response Measures for Potential Unknown Precontact Archaeological Resources and Tribal Cultural Resources.**  This mitigation measure expands on the actions included in Mitigation Measure 4.3-1 to also address encountering unknown precontact archaeological and tribal cultural resources. |  |  |  |  |  |  |  |  |  |  |  |  |
|  | A representative or representatives from a culturally affiliated Native American Tribe(s) will be invited to participate in the development and delivery of the cultural resources awareness training program included in Mitigation Measure 4.3-1. The program will include relevant information regarding sensitive tribal cultural resources, including applicable regulations, protocols for avoidance, and consequences of violating State laws and regulations. The program will also underscore the requirement for confidentiality and culturally appropriate treatment of any find of significance to Native Americans and behaviors, consistent with Native American Tribal values. | DGS to prepare and conduct cultural resources awareness training program. |  |  | X |  |  | Once prior to construction. |  |  |  |  |  |
|  | Where ground disturbing activities occur in native soils, or there is no evidence of extensive past ground disturbances, or evidence suggests that imported soils have a high probability of containing artifacts and materials of importance to tribal entities, a qualified archaeologist and Native American tribal monitor(s) will monitor ground-disturbing activities. Interested Native American Tribes will be provided at least seven days’ notice prior to the initiation of ground disturbing activities. If any previously undisturbed native soil is imported to the project site for fill or other purposes, the archaeologist and the tribal monitor(s) will also monitor handling and placement of this material to determine if archaeological material may be imported with the native soil. The determination for initiating or ending monitoring disturbance of imported soils will be made based on coordination between the qualified archeologist and tribal monitor(s), with a final determination made by DGS. | DGS to retain qualified archaeologist and tribal monitors, if needed. |  |  | X | X |  | Monitoring as needed during construction. |  |  |  |  |  |
|  | If evidence of any precontact subsurface archaeological features or deposits are discovered during construction-related earth-moving activities (e.g., lithic scatters, midden soils), all ground-disturbing activity in the vicinity of the discovery shall be halted until a qualified archaeologist and Native American representative can assess the significance of the find. If after evaluation, a resource is considered significant, or is considered a tribal cultural resource, all preservation options shall be considered as required by CEQA, including possible data recovery, mapping, capping, or avoidance of the resource. | Contractor to halt work as stipulated and notify DGS. |  |  |  | X |  | As needed during construction. |  |  |  |  |  |
|  | If artifacts must be recovered from significant precontact archaeological resources, they shall be transferred to an appropriate tribal representative, or housed at a qualified curation facility. If artifacts or other materials must be removed, preference shall be given to transferring materials to an appropriate tribal representative and re-interring the material at a location on the project site. The results of the identification, evaluation, and/or data recovery program for any unanticipated discoveries shall be presented in a professional-quality report that details all methods and findings, evaluates the nature and significance of the resources, analyzes and interprets the results, and distributes this information to the public. | Archaeologist to store any significant historic archaeological resources at qualified curation facility or transfer materials to appropriate tribal representative. |  |  |  | X |  | As needed during construction. |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Archaeological, Historical, and Tribal Cultural Resources |  |  |  |  |  |  |  |  |  |  |  |  |
| **4.3-3: Response Protocol In Case Human Remains Are Uncovered.**  Consistent with the California Health and Safety Code and the California Native American Historical, Cultural, and Sacred Sites Act, if suspected human remains are found during project construction, all work shall be halted in the immediate area, and the county coroner shall be notified to determine the nature of the remains. The coroner shall examine all discoveries of suspected human remains within 48 hours of receiving notice of a discovery on private or State lands (Health and Safety Code Section 7050.5[b]). | Contractor to halt work as stipulated and notify DGS and Coroner.  Qualified archaeological and/or tribal monitor to notify CHP upon discovery of suspected human remains. |  |  |  | X |  | As needed during construction. |  |  |  |  |  |
| If the coroner determines that the remains are those of a Native American, he or she shall contact the NAHC by phone within 24 hours of making that determination (Health and Safety Code Section 7050[c]). The NAHC shall then assign an MLD to serve as the main point of Native American contact and consultation. Following the coroner’s findings, the MLD, in consultation with the State, shall determine the ultimate treatment and disposition of the remains. | Coroner to contact NAHC if remains are determined to be those of a Native American. |  |  |  | X |  | As needed during construction. |  |  |  |  |  |
| **4.3-4a: Protection and Stabilization Measures** |  |  |  |  |  |  |  |  |  |  |  |  |
| The State shall establish protection and stabilization measures for the Leland Stanford Mansion, which is immediately adjacent to the project site, prior to demolition or construction activities. The protection measures shall ensure that impacts on this historic resource will be minimized and/or avoided to the extent possible. | DGS to include appropriate provisions in design-build contract. |  |  | X |  |  | Once during design. |  |  |  |  |  |
| To avoid inadvertent damage from debris falling and damaging the Stanford Mansion during project demolition and construction, contractors shall implement protection methods, such as scaffolding and/or movable metal nets held by cranes that are moved into place as necessary to prevent debris and materials falling onto the Stanford Mansion. Physical barriers shall also be placed to protect the Stanford Mansion from demolition or construction activities, including concrete barriers and/or use of screens and netting, to avoid inadvertent damage to the historic building or a feature of the historic landscape. Windows of the Leland Stanford Mansion subject to damage shall be covered (e.g., plywood or other protective material) to prevent damage. Protective barriers shall be installed prior to demolition or construction activities, and shall remain in place through the end of demolition or construction activities. | DGS to confirm compliance during construction. |  |  |  | X |  | As needed during construction. |  |  |  |  |  |
| A qualified architectural historian shall monitor implementation of these protection measures to support proper implementation by the construction contractors and ensure protection of the Leland Stanford Mansion. | Qualified architectural historian. |  |  |  | X |  | Monitoring as needed during construction. |  |  |  |  |  |
| **4.3-4b: Vibration Monitoring** |  |  |  |  |  |  |  |  |  |  |  |  |
| Although there is no anticipated substantial adverse change to the Stanford Mansion from vibration impacts from the project, Mitigation Measure 4.9-2 of this Draft EIR requires the development and implementation of a vibration control plan, which shall be applicable to construction activities located within 30 feet of any building or within 80 feet of an occupied building, such as the Leland Stanford Mansion. | Contractor to prepare/submit Vibration Control Plan developed by a vibration control consultant. |  |  | X |  |  | Once during development of draft design-build contract. |  |  |  |  |  |
| A vibration control plan shall be developed by a vibration control consultant with documented expertise designing projects in sensitive historic settings to be submitted to and approved by DGS before initiating any construction activities within the type and distance parameters identified above. Applicable elements of the plan will be implemented before, during, and after construction activity. | DGS to include appropriate provisions in design-build contract.  Contractor to implement measures during construction. |  |  | X | X |  | Once during development of draft design-build contract. |  |  |  |  |  |
| The plan shall consider all potential vibration-inducing activities that would occur and require implementation of sufficient mitigation measures to ensure that the existing Leland Stanford Mansion State Historic Park, or other buildings, would not be exposed to vibration levels that would result in damage to the building. | DGSto confirm compliance during construction. |  |  |  | X |  | Monitor, record, and submit data weekly during vibration-inducing activities.  As needed during construction. |  |  |  |  |  |
| **4.3-4c: Repair Inadvertent Damage** |  |  |  |  |  |  |  |  |  |  |  |  |
| If project-related demolition or construction activities results in inadvertent damage of historic elements of the Stanford Mansion, the State shall repair them in accordance with the Secretary of the Interior’s Standards for the Treatment of Historic Properties. Inadvertent damage is any damage that results in a significant impact to a historical resource within the meaning of CEQA Guidelines Section 15064.5(b)(2) or adverse effects to historic properties within the meaning of 36 C.F.R. Part 800.5(a)(1). | DGS to include appropriate provisions in design-build contract.  DGS to confirm compliance during construction. |  |  | X | X |  | Once during design.  As needed during construction. |  |  |  |  |  |
| All repairs shall be reviewed and approved by a qualified architectural historian under the supervision of a qualified preservation architect (both meeting the appropriate Secretary of Interior’s Professional Qualification Standards) prior to determining that the treatment has been adequately implemented. | Qualified architectural historian. |  |  |  | X |  | Monitoring as needed during construction. |  |  |  |  |  |
| **4.3-4d: Preparation of Archival Recordation Documentation** |  |  |  |  |  |  |  |  |  |  |  |  |
| DGS shall ensure that prior to any building alteration or demolition activities, the Resources Building shall be the subject of recordation by photography and written historical data following the standards of the Historic American Buildings Survey (HABS). HABS Level II documentation shall be implemented, which includes large-format archival photographs and written data and shall include historic plans of the building and associated landscape features. | Qualified architectural historian to complete HABS Level II documentation for DGS.  DGS to submit to SHPO. |  |  | X |  |  | Once during design. |  |  |  |  |  |
| Archival photographs to sufficiently document the property shall include approximately 30 views of the Resources Building including contextual views of the building within its setting, along with exterior, interior, and detail views of character-defining features. | DGS to confirm compliance. |  |  | X |  |  | Once during design. |  |  |  |  |  |
| The HABS documentation shall be completed by a qualified professional who meets the standards for History or Architectural History set forth by the Secretary of the Interior’s Professional Qualification Standards (36 CFR, Part 61). The draft documentation shall be submitted for review and approval by DGS. The final documentation shall be distributed or offered to the SHPO, DGS, and the appropriate interested parties, which may include, but is not limited to historical organizations. | Qualified architectural historian. |  |  | X |  |  | Once prior to construction. |  |  |  |  |  |
| **4.3-4e: Interpretive Panels and/or Signage** |  |  |  |  |  |  |  |  |  |  |  |  |
| DGS shall prepare two or more interpretive exhibits, signs, and or plaques that provide information regarding the history, construction, and subsequent use of the Resources Building and the California State Capitol Plan, and shall include information regarding the Modernism and International architectural styles. The interpretive exhibits would use images, narrative history, drawings, or other material produced for the archival recordation documentation mitigation (Mitigation 4.3-4d), oral histories (Mitigation Measure 4.3-4f), documentation collected from the time capsule embedded in the cornerstone of the building, or other archival resources. | Qualified architectural historian to prepare exhibits/signs/plaques for DGS.  DGS to include appropriate provisions in design-build contract. |  |  | X |  |  | Once during design. |  |  |  |  |  |
| DGS will reuse existing building materials, as feasible, in the exhibits to create a tangible link between the existing building and the renovated building. | DGS to confirm compliance during design and construction. |  |  | X | X |  | As needed during design and construction. |  |  |  |  |  |
| The interpretive exhibits may be in the form of, but are not necessarily limited to, interpretive display panels, and/or printed material for dissemination to the public. The interpretive exhibits shall be installed within interior public spaces of the renovated Resources Building and shall integrated into the design of the outdoor public areas. Interpretive displays and the signage/plaques installed outdoors shall be sufficiently durable to withstand inclement weather conditions of the site for at least ten years, like fiber-glass embedment panels, that meet National Park Service signage standards. Displays and signage/plaques shall be lighted, installed at pedestrian-friendly locations, and be of adequate size to attract the interested pedestrian. Maintenance of displays and signage/plaques shall be included in the management of the common area maintenance program on the property. | DGS to confirm maintenance of exhibits/signs/plaques. |  |  |  |  | X | As needed during building operation. |  |  |  |  |  |
| **4.3-4f: Oral History Project** |  |  |  |  |  |  |  |  |  |  |  |  |
| Prior to any structural demolition and construction activities, one or more persons meeting the Secretary of the Interior’s Professional Qualification Standards under History and Architectural History shall assemble important personal histories of persons knowledgeable about history and Modernism and International design of the Resources Building, and the design, adoption, and implementation of the California State Capitol Plan. An oral history project to record their stories would be a valuable resource and assist with interpretative and educational exhibits, (Mitigation 4.3-4e, and archival recordation documentation (Mitigation 4.3-4d). The Center for Sacramento History, and other local museum and historical societies, shall be given the opportunity to comment on the research design for any oral history project. The research design would identify anticipated informants, research goals, and protocols. Any oral history research and interviews shall be conducted in conformance with the Principles for Oral History and Best Practices for Oral History (October 2009). | Qualified architectural historian to prepare oral history project for DGS.  DGS to include appropriate provisions in design-build contract.  DGS to confirm availability of oral history project at the Resources Building. |  |  | X |  |  | Once during design. |  |  |  |  |  |
| CDs prepared during any oral history project shall be recorded on archive quality discs, such as archival gold CD-Rs, and disseminated to local repositories. The oral history project shall be available at the Resources Building when occupancy begins. |  |  |  |  |  | X | Once when occupancy begins and as needed during building operation. |  |  |  |  |  |

Agency Approval

California Department of General Services, Director or Assignee

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| Mitigation Measure  Mitigation Measure No. | Responsible Party for Implementation | Verification of Implementation  (Responsible Party) Initials | Verification of Implementation  (Responsible Party) Date | Timing of Compliance Design1 | Timing of Compliance Construction | Timing of Compliance Operation | Timing of Compliance Frequency | Verification of Compliance Name and Affiliation | Method of Compliance Verification | Verification of Compliance Signature | Verification of Compliance Date | Comments |
| Transportation and Circulation |  |  |  |  |  |  |  |  |  |  |  |  |
| **4.4-5: Mitigation Measure 4.4-5: Improve Pedestrian Crossings at the O Street/8th Street and O Street/9th Street Intersections** |  |  |  |  |  |  |  |  |  |  |  |  |
| DGS shall construct the following improvements to pedestrian crossings at the O Street/8th Street and O Street/9th Street intersections:   * O Street/8th Street * East Leg – Install new marked crosswalk * O Street/9th Street * East Leg – Provide warning signage or devices to prevent pedestrian-light rail conflicts. In addition, modify traffic signal to include pedestrian heads.   Final designs for all pedestrian crossing improvements are subject to review and approval by the City of Sacramento Traffic Engineer. Pedestrian crossing improvements shall be completed before the State Fire Marshal issuance of a certificate of occupancy. | DGS to include appropriate provisions in design-build contract.  DGS to consult with City of Sacramento for design review.  DGSto confirm compliance during construction. |  |  | X | X |  | Once during development of draft design-build contract.  Once during design review period.  As needed during construction. |  |  |  |  |  |

Agency Approval

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| Mitigation Measure  Mitigation Measure No. | Responsible Party for Implementation | Verification of Implementation  (Responsible Party) Initials | Verification of Implementation  (Responsible Party) Date | Timing of Compliance Design1 | Timing of Compliance Construction | Timing of Compliance Operation | Timing of Compliance Frequency | Verification of Compliance Name and Affiliation | Method of Compliance Verification | Verification of Compliance Signature | Verification of Compliance Date | Comments |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Noise and Vibration |  |  |  |  |  |  |  |  |  |  |  |  |
| **4.9-2: Develop and Implement a Vibration Control Plan.** |  |  |  |  |  |  |  |  |  |  |  |  |
| This mitigation measure shall be applicable to construction activities located within 30 feet of any building or within 80 feet of an occupied building, such as the Leland Stanford Mansion or a nearby office building. |  |  |  |  |  |  |  |  |  |  |  |  |
| A vibration control plan shall be developed by a vibration control consultant with documented expertise designing projects in sensitive historic settings to be submitted to and approved by DGS before initiating any construction activities within the type and distance parameters identified above. Applicable elements of the plan will be implemented before, during, and after construction activity. | Contractor to prepare/submit Vibration Control Plan developed by a vibration control consultant. |  |  | X |  |  | Once during development of draft design-build contract. |  |  |  |  |  |
| The plan shall consider all potential vibration-inducing activities that would occur and require implementation of sufficient mitigation measures to ensure that the existing Leland Stanford Mansion State Historic Park, or other buildings, would not be exposed to vibration levels that would result in damage to the building or substantial human disturbance. Items that shall be addressed in the plan include, but are not limited to, the following: | DGS to include appropriate provisions in design-build contract. |  |  | X |  |  | Once during development of draft design-build contract. |  |  |  |  |  |
| * Pile installation activities shall be limited to the daytime hours between 7:00 a.m. and 6:00 p.m. Monday through Saturday and between 9:00 a.m. and 6:00 p.m. on Sunday. No nighttime pile installation will be permitted. * Pre-construction surveys shall be conducted to identify any pre-existing structural damage to the existing Leland Stanford Mansion State Historic Park, or other buildings, that may be affected by project-generated ground vibration. * Identification of minimum setback requirements for different types of ground vibration–producing activities (e.g., pile drilling) for the purpose of preventing damage to nearby structures shall be established based on proposed construction activities and locations, once determined. Factors to be considered include the specific nature of the vibration producing activity (e.g., type and duration of pile drilling), local soil conditions, and the fragility/resiliency of the nearby structures. Setback requirements will be based on a project-specific/site-specific analysis conducted by a qualified geotechnical engineer, structural engineer familiar with the building(s) that may be affected, and a ground vibration specialist. The criteria for vibration setbacks, and any other vibration controls, is to generate no ground vibration during project construction that would result in structural damage at nearby buildings or structures. * All construction-generated vibration levels shall be monitored and documented at the existing Leland Stanford Mansion State Historic Park to ensure that applicable thresholds are not exceeded. Recorded data will be submitted on a weekly basis to DGS. If it is found at any time by the design-build team or DGS that thresholds are exceeded, the responsible construction activities will cease, and any affected buildings will be evaluated to assess any damage that has occurred. If vibration-induced damage has occurred, methods will be implemented to reduce vibration to less than applicable thresholds, such as changing construction methods or increasing setback distances.   Controlling vibration sufficient to prevent structure damage is also likely to prevent substantial human disturbance from vibration. However, DGS shall identify a point of contact for vibration complaints who shall work with DGS and the construction team to resolve complaints. | Contractor to implement measures during construction.  DGSto confirm compliance during construction. |  |  |  | X |  | Monitor, record, and submit data weekly during vibration-inducing activities.  As needed during construction. |  |  |  |  |  |

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| Biological Resources |  |  |  |  |  |  |  |  |  |  |  |  |
| **4.11-1: Protect Nesting Swainson’s Hawks, White-Tailed Kites, Other Raptors, and Other Native Birds**  DGS shall require that the following measures are implemented before and during tree removal, demolition, and construction: | DGSto confirm compliance prior to and during construction. |  |  |  | X |  | Ongoing throughout construction. |  |  |  |  |  |
| * To minimize the potential for loss of nesting raptors and other native nesting birds, tree and other vegetation removal will be conducted during the nonbreeding season (September 1-January 31). If all trees and other vegetation are removed during the nonbreeding season, no further mitigation will be required. |  |  |  |  |  |  |  |  |  |  |  |  |
| * If tree and other vegetation removal activities occur during the breeding season (February 1 through August 31), a qualified biologist will conduct a survey of all trees and vegetation planned for removal no more than 14 days prior to the start of tree and other vegetation removal, to assess whether Swainson’s hawk, white-tailed kite, other raptor, or other native bird species (protected by Section 3503 of the Fish and Game Code) nests are present. Tree and other vegetation removal will only commence if the biologist verifies that no active nests are present. If an active nest is discovered, the tree or other vegetation will not be removed until young have fledged. If tree or other vegetation removal activities lapse for greater than 14 days during the breeding season, then an additional survey will be required prior to the restart of activities. * To minimize the potential for disturbance or loss of nesting raptors and other native nesting birds, demolition or construction activities that could result in disturbance to nesting raptors (i.e., activities within the sightline of a raptor nest), to the maximum extent feasible, will be conducted during the nonbreeding season (September 1-January 31). If demolition and construction activities commence during the nonbreeding season, and no lapse in activities greater than 14 days occurs, no further mitigation will be required. * If demolition and construction activities that could result in disturbance to nesting raptors commence during the breeding season (February 1 through August 31), a qualified biologist will conduct a survey of the trees within the sightline of the project site no more than 14 days prior to the start of demolition and construction activities, to assess whether any trees contain nesting Swainson’s hawk, white-tailed kite, other nesting raptors, or other nesting native bird species (protected by Section 3503 of the Fish and Game Code). Demolition and construction activities will only commence if the biologist verifies that no active nests for any Swainson’s hawks, white-tailed kites, or other raptor species are present. If an active raptor nest is present, demolition and construction will not start until young have fledged. If demolition and construction activities that could result in disturbance to nesting raptors lapse for greater than 14 days during the breeding season, then an additional survey will be required prior to the restart of activities. * If a species other than a raptor species is found nesting within the sightline of the project site, DGS will coordinate with CDFW regarding the best approach for compliance with Section 3503 of the Fish and Game Code. For example, common species in urban environments, such as house finch, may tolerate some increase in noise or other construction activities within close proximity of the nest, and presence of these nests may have no effect on nearby construction activity. | DGS to retain a qualified biologist, if necessary.  Contractor to halt construction, if necessary. |  |  |  | X |  | Once, prior to the initiation of ground-disturbing activities.  Ongoing throughout construction. |  |  |  |  |  |
| **4.11-2: Conduct Preconstruction Surveys for Bats and Exclude Bats from Roosting Site**  DGS shall require that the following measures are implemented before building demolition:   * Prior to commencement of demolition activities, a qualified biologist will conduct a survey of the exterior and interior of the Resources Building for roosting bats. If evidence of bat use is observed, the species and number of bats using the roost will be determined. Bat detectors may be used to supplement survey efforts. If no evidence of bat roosts is found, then no further study and no further mitigation will be required. * If bat roosts or a maternity colony are found, bats will be excluded from the roosting site before demolition begins. Exclusion efforts may be restricted during periods of sensitive activity (e.g., during hibernation or while females in maternity colonies are nursing young). Once, it is confirmed that bats are not present in the original roost site, demolition activities may commence. | DGS to retain a qualified biologist, if necessary. |  |  |  | X |  | Once, prior to demolition |  |  |  |  |  |
| **4.11-3: Remove and replace trees consistent with the City of Sacramento Tree Preservation Ordinance.**  Before commencement of tree removal and other site preparation and demolition activities, DGS will complete a survey of trees at the project site and any other areas affected by excavation (e.g., utility work), demolition, and construction, and prepare and submit a detailed tree removal, protection, replanting, and replacement plan to the City arborist. The tree removal plan will be developed by a certified arborist. The plan shall include the following elements: | DGS to include appropriate provisions in design-build contract.  City Arborist to approve plan. |  |  | X |  |  | Complete survey of trees and prepare/submit tree removal, protection, replanting, and replacement plan to City arborist during development of draft design-build contract. |  |  |  |  |  |
| * The number, location, species, health, and sizes of all trees to be removed, relocated, and/or replaced will be identified. This information will also be provided on a map/design drawing to be included in the in the project plans. | Contractor to implement measures during construction. |  |  |  | X |  | As needed during construction. |  |  |  |  |  |
| * Planting techniques, necessary maintenance regime, success criteria, and a monitoring program for all trees planted on, or retained on the project site will be described. * DGS will ensure implementation of the tree removal, protection, replanting, and replacement plan during project construction and operation. | DGSto confirm compliance during construction operation. |  |  |  | X | X | As needed during construction and operation. |  |  |  |  |  |

Agency Approval

California Department of General Services, Director or Assignee

Appendix B

Mitigation Monitoring and Reporting Program and Reporting Form

California Department of General Services

**Mitigation Monitoring and Reporting Program**

**Reporting Form**

Project:

Date:

Location: ❑ Onsite Project Phase: ❑ Design

❑ Offsite (give location) ❑ Construction

❑ Operation

Impact Issue(s):

❑ Archaeological, Historical, and Tribal Cultural Resources ❑ Noise and Vibration

❑ Transportation and Circulation ❑ Biological Resources

Applicable Mitigation Measure(s):

Description of Implementation Activity:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Specialist: |  |  |  |  |  |
|  | Name |  | Discipline |  | Firm |
| Specialist: |  |  |  |  |  |
|  | Name |  | Discipline |  | Firm |

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| --- | --- | --- | --- | --- | --- | --- |
| Implementation Action Items: |  | Scheduled for Completion |  | Completion Date |  | Approved by |
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Disposition:

* Mitigation measure(s) implemented. No further action required.
* Mitigation measure(s) partially implemented. Further action required.

Explain below; attach additional sheets if necessary.

* Mitigation measure(s) partially implemented. No further action required.

Explain below; attach additional sheets if necessary.

* Noncompliance with mitigation measures. Further action required.

Explain below; attach additional sheets if necessary.

* Mitigation unnecessary. No further action required.

Explain below; attach additional sheets if necessary.

* Verification of environmental compliance for project.

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| Comments/Revisions: |
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| --- | --- | --- | --- | --- | --- | --- |
| Completed by: |  |  |  | Approved by: |  |  |
| Name |  |  |  | Name |  |  |
| Title |  |  |  | Title |  |  |
| Date |  |  |  | Date |  |  |