GLENDALE – LOS ANGELES GARDEN RIVER BRIDGE PROJECT

Mitigation Monitoring and Reporting Program

California Public Resources Code Section 21081.6 and Section 15097 of the California Environmental Quality Act (CEQA) Guidelines require public agencies to establish monitoring and reporting programs for projects approved by a public agency whenever approval involves the adoption of either a mitigated negative declaration or specified environmental findings related to environmental impact reports.

This is the Mitigation Monitoring and Reporting Program (MMRP) for the Glendale-Los Angeles Garden River Bridge. The intent of the MMRP is to ensure the successful implementation of the mitigation measures identified in the Initial Study Checklist.

Construction, Operation, and Maintenance Best Management Practices (BMPs) and Mitigation Measures	Action Required/ Monitoring Method	Implementation Timing	Responsible Monitoring Party/Agency	Compliance Verification		
				Initial	Date	Comments
Construction, Operation, and Maintenance BMPs						
BMP-1: Pre-Construction Nesting Bird Survey						
Construction activities including the removal of western sycamore trees along Zoo Drive should be conducted outside avian nesting season pursuant to the Migratory Bird Treaty Act. The general avian nesting season for passerines is from February 1st to September 15th but can vary based on migratory patterns, species, weather patterns, etc. If the nesting season cannot be avoided, a qualified biologist shall conduct a nesting bird survey, including suitable habitat within a 500-foot radius, within three days prior to any disturbance of the site, including tree removal activities. If active nests are identified, the biologist will establish suitable buffers around the nests, and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests	Submittal of pre-construction nesting bird survey report to the City by a Qualified Biologist.	Prior to the issuance of grading permits for construction that would start any time between February 1st and September 15th.	Community Development Department Construction Manager/ Qualified Biologist			
BMP 2: Pre-Construction Clearance Survey						
Prior to the start of any ground-disturbing activities, a qualified biologist shall conduct a pre-construction survey of the Project site within two hours before the start of work to determine presence of the California legless lizard. If individuals are detected during the survey or encountered during construction, the individual shall be allowed to move out of harm's way on its own, or if necessary, may be relocated by a qualified biologist to suitable upstream habitat within the LA River.	Submittal of pre-construction clearance survey report for California legless lizard to the City by a Qualified Biologist.	Prior to the start of any ground-disturbing activities.	Community Development Department Construction Manager/ Qualified Biologist			

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BMP-3: Bat Roost and Emergence Survey						
Prior to the start of construction activities including the removal of western sycamore trees along Zoo Drive, a pre-construction survey for bat roosts shall be conducted by performing a daytime pedestrian survey to inspect potential habitat within 100 feet of the Project's work area limits for indications of bat use (e.g., occupancy, guano staining, smells, or sounds) followed by a dusk emergence survey. The surveys shall be conducted by a qualified bat biologist. If it is determined habitat within the survey area is being used, or is likely to be used as a bat roost, and may be affected by construction activities, then specific measures will be developed and implemented to minimize potential impacts to the roost. Such measures may include minimizing construction activities near the roost during the bat maternity season (May 1st through August 15th) or other measures developed by the qualified biologist in coordination with the California Department of Fish and Wildlife (CDFW).	Submittal of Bat Roost and Emergence Survey report to the City by a qualified biologist.	Prior to the issuance of any construction activities.	Community Development Department Construction Manager/ Qualified Biologist			
BMP-4: Workers Environmental Awareness Program						
Prior to Project implementation, a Workers Environmental Awareness Program (WEAP) shall be prepared and presented to construction crews regarding the potential for nesting birds and other special-status species to occur on site during construction activities. The WEAP training shall concentrate on the proper identification of sensitive resources while in the field, suggested	Provide the sign in / attendance sheet to the City demonstrating the WEAP was conducted by a Qualified Biologist and that all construction workers attended.	Prior to the start of construction activities and throughout construction on an as needed basis as new construction	Community Development Department Construction Manager/ Qualified Biologist			

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strategies in avoiding impacts to sensitive resources, and proper reporting methods for field crews if sensitive resources are observed during construction activities.		workers come to the site				
BMP-5: Construction Noise						
Construction noise best management practices (BMPs) shall be implemented to protect sensitive receptors (park users) and sound sensitive special-status species roosting and/or nesting in the LA River channel and adjacent habitat during construction (including excavation, pier construction, etc.). Such BMPs shall include requiring construction activities to be conducted in accordance with the applicable local noise regulations and standards and implementation of noise reduction techniques during construction activities, such as locating stationary construction noise sources as far from adjacent noise-sensitive receptors as possible. A temporary mobile noise barriers shall be installed along the Project boundary where construction activity is currently active that is made of sound blanket, plywood or other solid material capable of reducing on-site construction noise levels by at least 9 dBA when measured from the outside of the barrier. In addition, all applicable equipment shall be fitted with proper/improved mufflers which will provide a reduction in construction noise levels by 6 dBA. (Can be combined BMP-7 as applicable).	Install temporary mobile noise barrier along Project boundary where construction is currently active. Pre-construction & construction compliance monitoring memo prepared by qualified biologist to submit to the City.	Prior to start of construction activities and maintained during construction.	Community Development Department Construction Manager/ Qualified Biologist			
BMP-6: Operational Lighting						
Night lighting can disrupt the circadian rhythms of many wildlife species; therefore, if night lighting is required at Project entry points, low-level lighting	Use only low-level lighting if necessary at entry points.	Prior to start of construction activities and	Community Development Department			

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shall be utilized and all non-essential lighting shall be eliminated. Additionally, the Project shall avoid or limit the use of artificial lighting during the hours of dawn and dusk as these windows of time are when many wildlife species are most active.	Pre-construction & construction compliance monitoring memo prepared by qualified biologist to submit to the City.	maintained during construction.	Construction Manager/ Qualified Biologist			
BMP-7: Access Routes and Work Area						
The Project shall establish and delineate work areas and access routes, within areas and routes within jurisdictional features, to minimize impacts to sensitive resources to the greatest extent feasible.	Delineate work areas and access routes within jurisdictional features. Pre-construction compliance monitoring memo prepared by qualified biologist to submit to the City.	Prior to start of construction activities and maintained during construction.	Community Development Department Construction Manager/ Qualified Biologist			
BMP-8						
Perimeter construction fencing shall be installed at a minimum height of 6 feet around construction areas to provide security to pedestrians and screen views of staging and construction areas.	Install 6-foot perimeter construction fencing. Pre-construction compliance monitoring memo prepared by qualified biologist to submit to the City.	Prior to start of construction activities and maintained during construction.	Community Development Department Construction Manager/ Qualified Biologist			
BMP-9						
All 75 horsepower or greater diesel-powered equipment shall be powered by CARB-certified Tier 4 Interim engines, except where the	Construction manager to submit construction equipment log to City confirming use of or	Prior to start of construction activities and maintained	Community Development Department			

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contractor establishes that Tier 4 Interim equipment is not available.	attempted procurement of Tier 4 Interim equipment	during construction.	Construction Manager			
Cultural Resources						
MM CR-1:						
Archaeological Worker Environmental Awareness Program (WEAP). Prior to the start of construction, the Qualified Archaeologist or archaeological monitor shall conduct training for construction personnel regarding the appearance of archaeological resources and the procedures for notifying archaeological staff should archaeological resources be discovered by construction staff. In the event of an archaeological resource discovery by construction personnel, all work in the immediate vicinity of the find shall cease and a Qualified Archaeologist shall be contacted to evaluate the find before restarting work in the area. If it is determined that the archaeological resource(s) is(are) scientifically significant, the archaeological monitor shall complete the Archaeological Assessment.	Provide the sign in / attendance sheet to the City demonstrating the WEAP was conducted by a Qualified Archaeologist and that all construction workers attended.	Prior to the start of construction activities and throughout construction on an as needed basis as new construction workers come to the site	Community Development Department Construction Manager/ Qualified Archaeologist			
Archaeological Assessment. If a possible archaeological resource is uncovered during earthwork or construction, all work shall cease within a minimum distance of 50 feet from the find until a Qualified Archaeologist has been retained to evaluate the find in accordance with National Register and California Register criteria. The Qualified Archaeologist may adjust this avoidance area, ensuring appropriate temporary protection measures of the find are taken while also	Qualified Archaeologist's assessment report submitted to City	A report that describes the resources(s) and its disposition, as well as the assessment methodology, shall be prepared by the	Community Development Department Construction Manager/ Qualified Archaeologist			

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considering ongoing construction needs in the surrounding area. Temporary staking and delineation of the avoidance area shall be installed around the find in order to avoid any disturbance from construction equipment. Ground disturbance activities may continue unimpeded on other portions of the site outside the specified radius. Any potential archaeological resource or associated materials that are uncovered shall not be moved or collected by anyone other than an Archaeological Monitor or Qualified Archaeologist unless the materials have been determined to be non-unique archaeological resources, as defined in Public Resources Code Section 21083.1(h), by the Qualified Archaeologist. The Qualified Archaeologist shall determine if the resources are unique archaeological resources as defined in Public Resources Code Section 21083.1(g). Consistent with Public Resources Code Section 21083.2, the handling, treatment, preservation, and recordation of unique archaeological resources should occur as follows: • The find should be preserved in place or left in an undisturbed state unless the project would damage the resource. • When preserving in place or leaving in an undisturbed state is not possible, excavation and recovery of the find for scientific study should occur unless testing or studies already completed have adequately recovered the scientifically consequential information from and about the resource, and this		Qualified Archaeologist within 60 days of assessing the find and in accordance with current professional standards.				

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determination is documented by a Qualified Archaeologist. Ground disturbance activities in the area where resource(s) were found may recommence once the identified resources are properly assessed and processed by a Qualified Archaeologist. A report that describes the resources(s) and its disposition, as well as the assessment methodology, shall be prepared by the Qualified Archaeologist within 60 days of assessing the find and in accordance with current professional standards. If appropriate, the report should also contain the Qualified Archaeologist's recommendations for the preservation, conservation, and curation of the resource at a suitable repository, such as the Natural History Museum of Los Angeles County, which shall be implemented. The Qualified Archaeologist shall submit the report to the City of Glendale and the SCCIC at the California State University, Fullerton. The report shall include all state and local requirements and shall be formatted and completed in accordance with the California Historic Resources Inventory System (CHRIS) document submittals standards.						
MM CR-2:						
Tribal Cultural Resources						
MM TCR-1: Retain a Native American Monitor listed on the Native American Heritage Commission contact list Prior to Commencement of Ground-Disturbing Activities						
A. The lead agency shall retain a Native American Monitor from the Native American Heritage	City to retain a copy of executed Native	Prior to start of construction activities	Community Development Department			

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Commission (NAHC) contact list, selected by the Lead Agency in consultation with the consulting tribes. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but is not limited to, clearing, demolition, pavement removal, potholing, auguring, grubbing, tree removal, stripping topsoil, boring, grading, excavating, digging, drilling, tunneling, blasting, quarrying, leveling, driving posts, and trenching or similar activity, and archaeological work. B. A copy of the executed monitoring agreement shall be retained by the lead agency prior to commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity. C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions,	American monitoring agreement. Native American monitoring logs	Maintain throughout construction duration	Construction Manager/ Native American Monitor			

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materials, or discoveries of significance to the consulting tribes. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the lead agency and maintained as part of the project record upon written request to the consulting tribes, subject to applicable confidentiality requirements under CEQA and the California Public Resources Code. D. On-site tribal monitoring shall conclude upon the latter of the following: (1) written confirmation to the consulting tribes from a designated point of contact for the lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination by the Lead Agency, informed by consultation with the consulting tribes, and written notification to the consulting tribes that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact TCRs.						

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MM TCR-2: Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial)						
A. Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery (within a 60-foot buffer) shall cease and shall not resume until the discovered TCR has been fully assessed by the tribal monitor and/or a qualified archaeologist meeting Secretary of Interior standards (retained by lead agency). Work on the portions of the project site outside of the buffered area may continue during this assessment period. The TCR shall be retained by the archaeologist until the end of the project whereby the lead agency shall, in good faith, consult with the consulting tribes that requested consultation for the project on the disposition and treatment (which may include reinternment to an area where there will be no future ground disturbances) of any TCR(s) encountered during all ground disturbing activities.	Submittal of Monitoring Report to City	Throughout construction duration	Community Development Department Construction Manager/ Native American Monitor and Qualified Archaeologist			
MM TCR-3: Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects						
A. Native American human remains are defined in California Public Resources Code (PRC) Section 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in PRC Section 5097.98, are also to be treated according to this statute.	Monitoring, data recovery, determining the significance of the finds, and implementing avoidance measures (if necessary) must be	Throughout construction duration	Community Development Department County Coroner/ Native American Monitor and Qualified Archaeologist			

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B. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2). C. If Native American human remains and/or grave goods are discovered or recognized on the project site, then PRC Section 5097.9 as well as California Health and Safety Code Section 7050.5 shall be followed. If human remains or funerary objects are encountered, work within the immediate vicinity (within 100-foot buffer of the find) shall cease and the County Coroner shall be contacted without delay. No photographs may be taken. If the County Coroner determines that the remains are Native American, the Coroner will contact the California Native American Heritage Commission (NAHC), in accordance with subdivision (c) of Section 7050.5 of the California Health and Safety Code. If the relevant agencies conclude that avoidance of the site is not feasible, an alternative plan must be developed that outlines specific steps and a timeline for resuming construction activities. Monitoring, data recovery, determining the significance of the finds, and implementing avoidance measures (if necessary) must be carried out promptly, at the expense of the lead agency. D. Preservation in place (avoidance with 100 foot boundary/buffer) is the preferred manner of	carried out promptly, by the City					

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treatment for discovered human remains and/or burial goods. E. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.						