MITIGATION MONITORING AND REPORTING PROGRAM

The following mitigation monitoring and reporting program (MMRP) summary table includes the mitigation measures identified in the City of Colusa's (City's) initial study/mitigated negative declaration (IS/MND) for the Colusa Triple Crown Cannabis Research and Development Business Park Project (Proposed Project). For each mitigation measure, this table identifies monitoring and reporting actions that shall be carried out and the monitoring schedule. This table also includes a column where responsible parties can check off monitoring and reporting actions as they are completed.

As lead agency, the City will be responsible for ensuring that mitigation measures identified in this IS/MND are fully implemented. However, some mitigation measures would be implemented by the contractor(s) on behalf of the applicant. Contract documents for the Proposed Project will identify the obligations of the applicant and/or contractor, including relevant mitigation measures. The City will require that the applicant/contractor provide the City with documentation that it has adequately implemented its contractual obligations, including applicable mitigation measures.

Thus, in the descriptions of the mitigation measures provided in the table which follows, while the project applicant may be the only party referenced in implementing a mitigation measure, this is intended to be inclusive of the contractor's role in implementing certain mitigation measures during construction or as part of design.

Acronyms and Abbreviations Used in This MMRP

APCD	Air Pollution Control District
Cal/OSHA	California Division of Occupational Safety and Health
CDFW	California Department of Fish and Wildlife
City	City of Colusa
CEQA	California Environmental Quality Act
CRHR	California Register of Historical Resources
HVAC	heating, ventilation, and air conditioning
IS/MND	initial study/mitigated negative declaration
MLD	Most Likely Descendant
MMRP	mitigation monitoring and reporting program
NAHC	Native American Heritage Commission
Proposed Project	Colusa Triple Crown Cannabis Research and Development Business Park Project
Pub. Res. Code	Public Resources Code
TCR	tribal cultural resource
USFWS	U.S. Fish and Wildlife Service
VELB	valley elderberry longhorn beetle

References

U.S. Fish and Wildlife Service. 2017. Framework for Assessing Impacts to the Valley Elderberry Longhorn Beetle (*Desmocerus californicus dimorphus*). U.S. Fish and Wildlife Service; Sacramento, CA. 28 pp.

Mitigation Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
Aesthetics				
	None Required			
Agriculture and Forestry Resources				
	None Required			
Air Quality				
AQ-1	**Implement Best Management Practices to Minimize Pollutant Emissions during Construction Activities.** To minimize potentially significant adverse impacts on air quality from construction activities, the City shall incorporate the following air pollution control measures into the Proposed Project's specifications and require that the project applicant implement them during construction: 1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered at least two times per day. Where feasible, reclaimed water shall be used. 2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered. 3. All clearing, grading, earth-moving, or excavation activities shall cease during periods of winds greater than 20 miles per hour averaged over one hour. 4. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum	▪ Ensure that requirements are incorporated into project specifications ▪ Inspect construction site periodically	▪ Before construction ▪ During construction	

Mitigation Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	street sweepers at least once per day. The use of dry power sweeping is prohibited. 5. Vehicle speeds on all unpaved roads shall be limited to 15 mph. 6. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used. 7. The area disturbed by clearing, earth-moving, or excavation activities at any one time shall be minimized. 8. Idling times shall be minimized by either shutting equipment off when not in use or reducing the maximum idling time to 5 minutes. Clear signage to this effect shall be provided for construction workers at all access points. 9. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. 10. A publicly visible sign shall be posted with the telephone number and person to contact at the City of Colusa regarding dust complaints. This person shall respond and take corrective action within 48 hours of receiving a complaint. The Colusa County Air Pollution Control District's (APCD's) phone number shall also be provided to ensure compliance with applicable regulations.			

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	11. If used, petroleum-based dust palliatives shall meet the road oil requirements of the Colusa County APCD rule regarding Cutback Asphalt Paving Materials. 12. When available, diesel powered or electric equipment shall be used in lieu of gasoline-powered engines.			
Biological Resources				
BIO-1	**Avoid Impacts on Valley Elderberry Longhorn Beetle (VELB) Habitat.** The City shall require that the Project Applicant and/or its contractor(s) avoid elderberry shrubs whenever possible. To the extent feasible, the Project Applicant shall adhere to avoidance measures outlined in the U.S. Fish and Wildlife Service's (USFWS') *Framework for Assessing Impacts to the Valley Elderberry Longhorn Beetle* (*Desmocerus californicus dimorphus*) (USFWS 2017). This shall include the following avoidance measures: ▪ The Project Applicant and/or its contractor(s) shall fence and flag all areas to be avoided during construction activities including all established elderberry shrubs within 165 feet of ground-disturbing construction that shall not be impacted by construction activities. ▪ Signs shall be erected every 50 feet along the edge of the avoidance area with the following information: "This area is habitat of the valley elderberry longhorn beetle, a threatened species, and must not be disturbed. This species is protected by the Endangered Species Act of 1973, as amended. Violators are subject	▪ Identify locations of elderberry plants within 165 feet of construction areas no less than 15 days prior to commencing construction. ▪ Fence and flag areas where elderberry plants are found in accordance with the 165-foot rule stated above. ▪ Signs shall be erected every 50 feet along the edge of the avoidance area. ▪ Construction personnel shall participate in worker training. ▪ Schedule work within 165 feet of elderberry shrubs for August-February where feasible.	▪ Before construction ▪ Before construction ▪ Before construction ▪ During construction ▪ During construction ▪ During construction ▪ During construction	

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	to prosecution, fines, and imprisonment." The signs must be clearly readable from a distance of 20 feet, and must be maintained for the duration of construction. ▪ No open-cut construction or other ground disturbance shall occur within 20 feet of the dripline of elderberry plants containing stems measuring 1.0 inch or greater in diameter at ground level. ▪ A qualified biologist shall provide training for all contractors, work crews, and any onsite personnel on the status of the VELB, its host plant and habitat, the need to avoid damaging the elderberry shrubs, and the possible penalties for noncompliance. ▪ As much as feasible, all activities that could occur within 165 feet of an elderberry shrub shall be conducted outside of the flight season of the VELB (March-July). ▪ If required, trimming of elderberry shrubs shall occur between November and February and shall avoid the removal of any branches or stems that are ≥ 1 inch in diameter. ▪ Herbicides shall not be used within the dripline of the shrub. Insecticides shall not be used within 98 feet of an elderberry shrub, unless insecticides are used within a closed greenhouse. All chemicals shall be applied using a backpack sprayer or similar direct application method, for application outside of greenhouses.	▪ Schedule trimming of elderberry shrubs between November and February. ▪ Prohibit the use of insecticides, herbicides, fertilizers, or other chemicals that might harm the elderberry beetle or its host plant within 98 feet of any elderberry plant.		

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	▪ Mechanical weed removal within the dripline of the shrub shall be limited to the season when VELB adults are not active (August-February) and shall avoid damaging the elderberry. If elderberry shrubs cannot be avoided, the City shall require the Project Applicant and its contractor(s) to implement Mitigation Measure BIO-2.			
BIO-2	**Transplant Elderberry Shrubs if Avoidance Is Not Feasible.** If avoidance of elderberry shrubs as described in Mitigation Measure BIO-1 is not feasible, the City shall require the Project Applicant and its contractor(s) to implement the following measures. If an elderberry shrub cannot be avoided or if indirect effects shall result in the death of stems or the entire shrub, then the shrub shall be transplanted. Elderberry shrubs shall be transplanted as close as possible to their original location. Elderberry shrubs may be relocated adjacent to the project footprint if: (1) the planting location is suitable for elderberry growth and reproduction; and (2) the Project Applicant is able to protect the shrub and ensure that the shrub becomes reestablished. Any elderberry shrub that is unlikely to survive transplanting because of poor condition or location, or a shrub that would be extremely difficult to move because of logistical constraints or access problems, may not be appropriate for transplanting. The transplanting guidelines below shall be followed:	▪ Identify appropriate locations for transplanting. ▪ Schedule transplanting for November-February. ▪ Comply with ANSI A300 (Part 6) guidelines.	▪ Before construction ▪ Before construction ▪ During construction	

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	▪ A qualified biologist shall be on-site for the duration of transplanting activities to assure compliance with avoidance and minimization measures and other conservation measures. ▪ Elderberry shrubs shall be transplanted when the shrubs are dormant (November through the first two weeks in February) and after they have lost their leaves. ▪ Transplanting shall follow the most current version of the ANSI A300 (Part 6) guidelines for transplanting (www.tcia.org).			
BIO-3	**Conduct Nesting Bird Surveys for Work between February 1 and August 31 and Implement Avoidance Measures.** If vegetation clearing or ground-disturbing activities commence between February 1 and August 31, the City shall require that a qualified biologist conduct a nesting bird survey within 2 weeks prior to the start of work. If a lapse in project-related work of 2 weeks or longer occurs, another focused survey shall be conducted before project work can be reinitiated. If nesting birds are found within a 500-foot radius of the project area, a non-disturbance buffer shall be established around the nest and maintained until the young have fledged. Appropriate buffer widths are 500 feet for non-listed raptors and special-status passerines and 100 feet for non-listed passerines. A qualified biologist may identify an alternative buffer based on a site-specific evaluation and in consultation with the California Department of Fish	▪ Qualified biologist shall conduct a nesting bird survey within 2 weeks prior to work start if vegetation clearing or ground-disturbing activities begin between February 1 and August 31. ▪ Survey will be conducted again if a lapse in project-related work of 2 weeks or longer occurs. ▪ 500-ft buffer for non-listed raptors and special-status passerines and a 100-ft buffer for non-listed passerines will be	▪ Before construction ▪ Before construction ▪ Before and during construction ▪ Before construction	

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	and Wildlife (CDFW). Work shall not commence within the buffer until fledglings are fully mobile and no longer reliant upon the nest or parental care for survival.	established around nests if nesting birds are found. These buffers will be maintained until young have fledged. ▪ Qualified biologist may identify an alternative buffer based on a site-specific evaluation and in consultation with CDFW.		
BIO-4	**Conduct Surveys and Establish Buffers to Avoid or Minimize Impacts on Swainson's Hawk.** If construction shall occur between February 15 and August 31, the City shall require that a qualified biologist conduct surveys for Swainson's Hawk. Surveys will cover a 1,000-foot radius around the project construction area. If nesting Swainson's Hawks are detected, a 1,000-foot radius non-disturbance buffer shall be established around active nests to ensure that breeding is not likely to be disrupted or adversely affected by construction. A qualified biologist may identify an alternative buffer based on a site-specific evaluation and in consultation with CDFW. Factors to be considered when determining buffer size include the presence of natural buffers provided by vegetation or topography (such as levees), nest height, locations of foraging territory, and baseline levels of noise and human activity. Buffers shall be maintained until a qualified biologist has determined that the young have	▪ Surveys shall be conducted if construction occurs between February 15 and August 31. ▪ If nesting Swainson's Hawk or White-tailed Kite are detected, 1,000-foot buffers shall be established around active nests that are sufficient to ensure that breeding is not likely to be disrupted or adversely affected by construction. ▪ Buffers shall be maintained until qualified biologist has determined	▪ Before construction ▪ Before construction ▪ During construction	

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	fledged and are no longer reliant on the nest or parental care for survival.	that the young have fledged.		
Cultural Resources				
CR-1	**Immediately Halt Construction if Cultural Resources Are Discovered, Evaluate All Identified Cultural Resources for Eligibility for Inclusion in the California Register of Historical Resources (CRHR), and Implement Appropriate Mitigation Measures for Eligible Resources.** If any cultural resources, such as structural features, unusual amounts of bone or shell, flaked or ground stone artifacts, historic-era artifacts, human remains, or architectural remains, are encountered during any project construction activities, work shall be suspended immediately at the location of the find and within a radius of at least 50 feet and the City will be notified, and the City will retain a qualified archaeologist to examine the discovery. All cultural resources accidentally uncovered during construction within the project site shall be evaluated for eligibility for inclusion in the CRHR. Resource evaluations will be conducted by individuals who meet the U.S. Secretary of the Interior's professional standards in archaeology, history, or architectural history, as appropriate. For finds that are of Native American concerns, local Native American tribes will be notified. If any of the resources meet the eligibility criteria identified in Public Resources Code (Pub. Res. Code) Section 5024.1 or California Environmental Quality Act (CEQA) Section	▪ Halt construction activities in the event any cultural resources are encountered. ▪ If cultural resources are uncovered, retain a qualified individual who meets the U.S. Secretary of the Interior's standards to conduct resource evaluations. ▪ If uncovered resources meet eligibility criteria, implement mitigation measures consistent with State CEQA Guidelines Section 15126.4(b). ▪ If cultural resources are uncovered, mitigation measures will be developed in consultation with the City and Native American tribes before construction resumes.	▪ During construction ▪ During construction ▪ During construction ▪ During construction	

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	21083.2(g), mitigation measures will be developed and implemented in accordance with CEQA Guidelines Section 15126.4(b) before construction resumes. For resources eligible for listing in the CRHR that would be rendered ineligible by the effects of project construction, additional mitigation measures will be implemented. Mitigation measures for archaeological resources may include (but are not limited to) avoidance; incorporation of sites within parks, greenspace, or other open space; capping the site; deeding the site into a permanent conservation easement; or data recovery excavation. Mitigation measures for archaeological resources shall be developed in consultation with responsible agencies and, as appropriate, interested parties such as Native American tribes. Native American consultation is required if an archaeological site is determined to be a tribal cultural resource (TCR). Implementation of the approved mitigation would be required before resuming any construction activities with potential to affect identified eligible resources at the site.			
CR-2	**Suspend Construction Immediately if Paleontological Resources Are Discovered, Evaluate the Significance of the Resources, and Implement Appropriate Mitigation Measures as Necessary.** Paleontological resources are not necessarily visible on the ground surface, but construction of the Proposed Project facilities has the potential to discover fossils. If any items of paleontological interest are unearthed during	▪ In the event a paleontological item is discovered, halt construction activities within 50 feet of discovery site, or to the extent needed to protect the site, and notify the City.	▪ Prior to construction ▪ During construction ▪ During construction	

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	construction, work shall be suspended immediately within 50 feet of the discovery site, or to the extent needed to protect the finds, and the City shall be notified. A qualified paleontologist will be retained to examine the discovery. Any discovery of paleontological resources during construction shall be evaluated by the qualified paleontologist. If it is determined that construction could damage a unique paleontological resource, additional mitigation shall be implemented in accordance with Pub. Res. Code Section 21083.2 and CEQA Guidelines Section 15126.4. If avoidance is not feasible, the paleontologist shall develop a treatment plan in consultation with the State. Elements of the treatment plan shall include, but are not limited to the following: procedures for recovering the exposed fossil, or sample of fossils, depending on the fossil type (macrofossil, microfossil, paleobotanical fossil); recovery documentation; and preparation, curation, and storage of recovered fossils. Work shall not be resumed until authorization is received from the State and any recommendations received from the qualified paleontologist are implemented.	▪ Ensure that qualified paleontologist evaluates the discovery. ▪ If the proposed project is determined to cause damage to a unique paleontological resource, mitigation shall be implemented. ▪ Paleontologist shall develop a treatment plan if avoidance is not feasible. ▪ Authorization will be required from the City before work resumes.		
CR-3	**Immediately Halt Construction if Human Remains Are Discovered and Implement Applicable Provisions of California Health and Safety Code Section 7050.5.** If human remains are accidentally discovered during the Proposed Project's construction activities, the requirements of California Health and Safety Code Section 7050.5 shall be followed. Potentially damaging excavation shall halt on the Project site within a minimum radius of	▪ In the event that human remains are encountered, halt work and contact the County Coroner. ▪ If discovered remains are those of a Native American, he or she must contact the NAHC by phone within 24	▪ During preparation of	

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	100 feet of the remains, and the County coroner shall be notified. The coroner is required to examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or state lands (California Health and Safety Code Section 7050.5[b]). If the coroner determines that the remains are those of a Native American, he or she must contact the Native American Heritage Commission (NAHC) by phone within 24 hours of making that determination (California Health and Safety Code Section 7050[c]). Pursuant to the provisions of Pub. Res. Code Section 5097.98, NAHC shall identify a Most Likely Descendent (MLD). The MLD designated by NAHC shall have at least 48 hours to inspect the site and propose treatment and disposition of the remains and any associated grave goods. The State shall work with the MLD to ensure that the remains are removed to a protected location and treated with dignity and respect. Native American human remains may also be determined to be tribal cultural resources. The County coroner will contend with the human remains if they are not of Native American origin.	hours of making that determination. ▪ NAHC shall identify a MLD, upon which this person shall be notified and given at least 48 hours to inspect the site and propose treatment and disposition of the remains and any associated grave goods. ▪ Cooperation with MLD is required.	plans and specifications ▪ During construction ▪ During construction ▪ During construction	
Geology and Soils				
GEO-1	**Develop and Implement Plan to Minimize or Eliminate Geologic Hazards.** Prior to final design and approval of the Proposed Project, the City shall require the Project Applicant to submit a plan describing measures to minimize or eliminate identified hazards of liquefaction, expansive soils, and	▪ Review and approve geologic hazard mitigation plan. ▪ Ensure that measures identified in the plan are	▪ Before construction ▪ Before construction	

Mitigation Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	potential seepage. Measures may include, but are not limited to, increasing foundation depths, reinforcement, and saturation/pre-swelling of soils prior to slab placement. The plan shall be prepared by a licensed geotechnical engineer and shall be reviewed and approved by the City Engineer prior to final project approval and/or construction.	included in project specifications.		
Greenhouse Gas Emissions				
	None Required			
Hazards and Hazardous Materials				
HAZ-1	**Inspect Structures and Remove Any Lead-Based Paint and Asbestos-Containing Building Materials.** The City shall require that, prior to the demolition or renovation of any existing onsite structures, a California Division of Occupational Safety and Health (Cal/OSHA)-certified inspector shall inspect those structures for the presence of lead-based paint and asbestos-containing building materials. Should the inspection reveal the presence of either substance, a contractor qualified in lead-based paint and/or asbestos removal shall remove it before demolition may take place.	▪ Schedule inspection of onsite structures for lead-based paint and asbestos-containing materials by a Cal/OSHA-certified inspector. ▪ Implement removal recommendations of the inspector.	▪ Before construction ▪ Before construction	
HAZ-2	**Halt Work and Perform Environmental Site Assessment if Evidence of Contaminated Soils Is Encountered During Construction Activities.** The City shall require that, if soil staining, odors, or suspected hazardous materials are encountered during	▪ If evidence of contaminated soil is found, hire a firm to evaluate the area and prepare an environmental site assessment.	▪ During construction ▪ Before construction re-commences	

Mitigation Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	construction activities, work shall cease in an area approximately 100 feet around the discovered site until a qualified firm conducts an environmental site assessment. The assessment will identify the potential contaminated area and will recommend measures to reduce or eliminate potential adverse impacts. The contractor shall implement all recommended measures prior to resumption of work in the 100-foot area.	▪ Implement remediation recommendations identified in the environmental site assessment.		
HAZ-3	**Abandon Onsite Septic Systems and Upgrade or Abandon Onsite Water Wells.** The City shall require that, prior to issuance of grading permits, the two onsite septic systems on the property shall be abandoned under permit from the Colusa County Environmental Health Department. Wells on the project site shall either be upgraded for future use or abandoned under permit from the Colusa County Environmental Health Department.	▪ Ensure that septic system abandonment and well upgrade or abandonment are required in project specifications. ▪ Confirm permit approvals from Colusa County Environmental Health Department.	▪ Before construction ▪ Before construction	
HAZ-4	**Remove Former Underground Fuel Storage Tank and Conduct Soil Testing.** The City shall require that, prior to issuance of grading permits, the underground fuel storage tank on the property shall be removed under permit from the Colusa County Environmental Health Department. At the time of removal, soil sampling with laboratory analysis will be conducted to determine if soil contamination has occurred. If substantial contamination is present, the Project Applicant shall clean up the contamination prior to the start of project construction under a cleanup plan	▪ Ensure that removal of underground fuel storage tank and soil testing are included in project specifications. ▪ Remove tank and, if evidence of soil contamination is found, hire a firm to evaluate the area and prepare an	▪ Before construction ▪ Before construction ▪ Before and during construction	

Mitigation Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	reviewed and approved by the County Environmental Health Department.	environmental site assessment. ▪ Implement remediation recommendations identified in the environmental site assessment.		
TRAN-1	**Prepare and Implement a Construction Traffic Management Plan.** See full description below.			
Hydrology and Water Quality				
	None Required	▪	▪	
Land Use and Planning				
	None Required			
Mineral Resources				
	None Required			
Noise				
NOI-1	**Implement Buffers between Sensitive Receptors and Proposed Project Construction Equipment.** To minimize potentially significant adverse impacts related to vibration-related noise annoyance on local sensitive receptors, the City shall require that loaded trucks maintain a distance of at least 40 feet from nearby	▪ Ensure that noise buffer is identified in project specifications. ▪ Inspect site periodically during construction to ensure compliance.	▪ Before construction ▪ During construction	

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	sensitive receptors (residences) during construction activities.			
NOI-2	**Measure Proposed Project Operational Noise Levels and Implement Noise-Reducing Measures.** To minimize potentially significant adverse impacts related to permanent noise sources on local sensitive receptors, the City shall require the project applicant to hire a qualified noise expert to evaluate pre- and post-construction ambient noise levels. Representative noise-level measurements will be collected at locations near and within the project site over sufficient sampling periods to adequately describe local noise conditions. Noise measurements will be collected prior to construction and during the Proposed Project's operation to compare the pre- and post-project noise levels, and to ensure that the Proposed Project's operation-related noise from pumps and other stationary equipment meets the local noise requirement limits.	▪ Prepare ambient noise level evaluation before and after construction. ▪ If noise from pumps exceed local noise limits, implement measures identified in the evaluation to reduce noise to within acceptable limits.	▪ Before and after construction ▪ After construction	
	Existing and projected (cumulative) noise levels will be estimated according to the standards provided in Tables 7.3 and 7.4 of the City of Colusa's general plan. [Tables are provided at the end of this MMRP.] The City will approve the proposed noise sampling locations and noise monitoring and analysis methodology in advance, as required by General Plan Table 7.5. If the noise level exceeds the standards in Tables 7.3 and 7.4, the project applicant will implement noise-reducing measures so that noise from the stationary equipment does not exceed			

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	these standards at nearby residences. Measures to be implemented may include any of the following to achieve the required noise levels: ▪ Design and construct a sound wall for stationary equipment (pumps; heating, ventilation, and air conditioning [HVAC] system); ▪ Design and construct an enclosure for stationary equipment (pumps, HVAC system); ▪ Provide additional sound-reducing material around stationary noise sources; or ▪ Any other measures deemed acceptable to reduce noise levels below the required standards at the nearest residence.			
Population and Housing				
	None Required			
Public Services				
	None Required			

Mitigation Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
Recreation				
REC-1	**Consider Potential Dedication of a Bikeway Easement.** To avoid the inadvertent elimination of a future Class I bikeway on the Sacramento River Levee at the north side of the project site, the City shall meet with the project applicant to discuss a mechanism for reserving a possible future bikeway easement. This mechanism may take the form of an easement, purchase, dedication, or other means of conveying the property to the City. If the City determines that the levee trail is no longer needed for a bikeway, no further action is necessary.	▪ The City will meet with the project applicant to discuss the potential for construction, at some point in the future, of bikeway. ▪ If agreement can be reached, implement a mechanism for future option.	▪ Before construction ▪ Before and/or during construction	
Transportation and Traffic				
TRAN-1	**Prepare and Implement a Construction Traffic Management Plan.** The City shall require that the Project Applicant and its contractor(s) prepare and implement a construction traffic management plan to manage traffic flow during construction, reduce potential interference with local emergency response, reduce potential traffic safety hazards, and ensure adequate access for emergency responders. Development and implementation of this plan shall be coordinated with the City. The City, the Project Applicant, and/or the construction contractor(s) shall ensure that the plan is implemented during construction. The plan shall include, but will not be limited to, the following measures:	▪ The City will ensure that the Construction Traffic Management Plan is implemented during construction. ▪ Identified haul routes will be recorded in the contract documents. ▪ Implement traffic control measures. ▪ Evaluate need for traffic control flaggers. ▪ Notify adjacent property owners and public safety	▪ During construction ▪ During construction ▪ During construction ▪ Before and during construction ▪ Before construction ▪ Before construction	

	Mitigation Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	▪ Implement comprehensive traffic control measures, including scheduling of major truck trips and deliveries to avoid peak traffic hours, warning signs, and traffic cones for drivers indicating potential road hazards or detours (if required). ▪ Coordinate construction activities and provide flaggers as needed to ensure that one lane of traffic remains open at all times on East Main Street and D Street to provide residential and emergency access. ▪ Notify affected adjacent property owners and public safety personnel regarding timing of major truck traffic and lane closures. ▪ Develop a process for responding to and tracking issues pertaining to construction activity impacts on traffic, including identification of an on-site traffic manager. Post 24-hour contact information for the traffic manager on all construction sites. ▪ Document road pavement conditions for all routes that would be used by construction vehicles before and after project construction. Make provisions to monitor the condition of roads used for haul routes so that any damage or debris attributable to haul trucks can be identified and corrected. Roads damaged by construction vehicles shall be repaired to their preconstruction condition.	personnel regarding timing of major deliveries, detours, and lane closures. ▪ Develop process for responding and tracking issues related to construction activity. ▪ Post 24-hour contact information for the traffic manager on site. ▪ Document road pavement conditions for all routes used for construction.	▪ Before construction ▪ Before construction	
Tribal Cultural Resources				
CR-1	**Immediately Halt Construction if Cultural Resources Are Discovered, Evaluate All Identified Cultural Resources for**			

Mitigation Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	Eligibility for Inclusion in the CRHR, and Implement Appropriate Mitigation Measures for Eligible Resources. See full description above.			
CR-3	**Immediately Halt Construction if Human Remains Are Discovered and Implement Applicable Provisions of California Health and Safety Code Section 7050.5.** See full description above.			
Utilities and Service Systems				
GEO-1	**Develop and Implement Plan to Minimize or Eliminate Geologic Hazards.** See full description above.			

Tables Identified in the MMRP

City of Colusa General Plan Tables 7.3, 7.4, and 7.5, identified in Mitigation Measure NOI-2, are provided on the following pages.

TABLE 7.3
NOISE STANDARDS FOR NEW USES AFFECTED BY TRAFFIC AND AIRPORT NOISE

New Land Use	Outdoor Activity Area - L_{dn}	Interior - L_{dn}/Peak Hour L_{eq}[1]	Notes
All residential	60-65	45	2, 3, 4, 8
Transient lodging	65	45	5
Hospitals and nursing homes	60	45	6
Theaters and auditoriums	---	35	
Churches, meeting halls, schools, and libraries	60	40	
Office buildings	65	45	7
Commercial buildings	65	50	7
Playgrounds and parks	70	---	
Industry	65	50	7

Notes:

1. *For traffic noise in the City of Colusa, L_{dn} and peak-hour L_{eq} values are estimated to be approximately similar. Interior noise level standards are applied in noise-sensitive areas of the various land uses, with windows and doors in the closed positions.*
2. *Outdoor activity areas for single-family residential uses are defined as back yards. For large parcels or residences with no clearly defined outdoor activity area, the standard shall be applicable within a 100-foot radius of the residence.*
3. *For multi-family residential uses, the exterior noise level standard shall be applied at the common outdoor recreation area, such as at pools, play areas, or tennis courts. Where such areas are not provided in multi-family residential uses, the standards shall be applied at individual patios and balconies of the development.*
4. *Where it is not possible to reduce noise in outdoor activity areas to 60 dB L_{dn} or less using a practical application of the best available noise reduction measures, an exterior noise level of up to 65 dB L_{dn} may be allowed—provided that available exterior noise level reduction measures have been implemented and interior noise levels are in compliance with this table.*
5. *Outdoor activity areas of transient lodging facilities include swimming pool and picnic areas.*
6. *Hospitals are often noise-generating uses. The exterior noise level standards for hospitals are applicable only at clearly identified areas designated for outdoor relaxation by either hospital staff or patients.*
7. *Only the exterior spaces of these uses designated for employee or customer relaxation are considered sensitivee.*

TABLE 7.4
NOISE STANDARDS FOR NEW USES AFFECTED BY NON-TRANSPORTATION NOISE

New Land Use	Outdoor Activity Area – L_{eq}		Interior - L_{eq}	Notes
	Daytime	Night-Time	Day & Night	
All Residential	50	45	35	1, 2, 7
Transient Lodging	55	---	40	3
Hospitals & Nursing Homes	50	45	35	4
Theaters & Auditoriums	---	---	35	
Churches, Meeting Halls, Schools, Libraries, etc.	55	---	40	
Office Buildings	55	---	45	5, 6
Commercial Buildings	55	---	45	5, 6
Playgrounds, Parks, etc.	65	---	---	6
Light Industry	65	65	50	5

Notes:

1. *Outdoor activity areas for single-family residential uses are defined as backyards. For large parcels or residences with no clearly defined outdoor activity area, the standard shall be applicable within a 100-foot radius of the residence.*
2. *For multi-family residential uses, the exterior noise level standard shall be applied at the common outdoor recreation area, such as at pools, play areas or tennis courts. Where such areas are not provided, the standards shall be applied at individual patios and balconies of the development.*
3. *Outdoor activity areas of transient lodging facilities include swimming pool and picnic areas, and are not commonly used during nighttime hours.*
4. *Hospitals are often noise-generating uses. The exterior noise level standards for hospitals are applicable only at clearly identified areas designated for outdoor relaxation by either hospital staff or patients.*
5. *Only the exterior spaces of these uses designated for employee or customer relaxation have any degree of sensitivity to noise.*
6. *The outdoor activity areas of office, commercial, and park uses are not typically utilized during nighttime hours.*
7. *It may not be possible to achieve compliance with this standard at residential uses located immediately adjacent to loading dock areas of commercial uses while trucks are unloading. The daytime and nighttime noise level standards applicable to loading docks shall be 55 and 50 dB Leq, respectively.*
8. *General: The Table 7.2 standards shall be reduced by 5 dB for sounds consisting primarily of speech or music, and for recurring impulsive sounds.*
9. *If the existing ambient noise level exceeds the standards of Table 7.4, then the noise level standards shall be increased at 5 dB increments to encompass the ambient.*

TABLE 7.5
REQUIREMENTS FOR ACOUSTICAL ANALYSIS

An acoustical analysis prepared pursuant to the Noise Element shall:

1. Be the responsibility of the applicant.
2. Be prepared by qualified professionals experienced in the fields of environmental noise assessment.
3. Carry out a scope of work that has been previously approved by City Planning and Engineering staff.
4. Include representative noise level measurements with sufficient sampling periods and locations to adequately describe local conditions.
5. Estimate existing and projected (cumulative) noise levels according to the standards provided in **Table 7.3** and **Table 7.4** and assess these noise levels' consistency with the adopted policies of the Noise Element.
6. Recommend appropriate mitigation to achieve compliance with the adopted policies and standards of the Noise Element. Where the noise source in question consists of intermittent single events, the report must address the effects of maximum noise levels in sleeping rooms and evaluate possible sleep disturbance.
7. Estimate interior and exterior noise exposure after the prescribed mitigation has been implemented.
8. Provide a post-project assessment program that could be used to evaluate the effectiveness of the proposed mitigation.

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