

**EXHIBIT E**

**MITIGATION MONITORING AND REPORTING PROGRAM**

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State Clearinghouse No. 2023090467

# Contra Costa County 2045 General Plan and Climate Action and Adaptation Plan

Contra Costa County

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# **1. Introduction**

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## **1.1 PURPOSE OF MITIGATION MONITORING AND REPORTING PROGRAM**

This Mitigation Monitoring and Reporting Program (MMRP) has been developed to provide a record of monitoring mitigation measures outlined in the Draft Environmental Impact Report (DEIR) for the project. The MMRP has been prepared in conformance with Section 21081.6 of the Public Resources Code. Section 21081.6 states:

- (a) When making findings required by paragraph (1) of subdivision (a) of Section 21081 or when adopting a mitigated negative declaration pursuant to paragraph (2) of subdivision (c) of Section 21080, the following requirements shall apply:
  - (1) The public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation. For those changes which have been required or incorporated into the project at the request of a responsible agency or a public agency having jurisdiction by law over natural resources affected by the project, that agency shall, if so requested by the lead or responsible agency, prepare, and submit a proposed reporting or monitoring program.
  - (2) The lead agency shall specify the location and custodian of the documents or other material which constitute the record of proceedings upon which its decision is based.

## **1.2 EIR SUMMARY**

### **1.2.1 PROJECT LOCATION**

Contra Costa County is on the northeastern side of the San Francisco Bay, adjacent to Alameda County to the south, San Joaquin County to the east, Solano and Sacramento Counties to the north across Suisun Bay, and San Francisco County to the west. North to south regional access is provided by Interstate (I-) 80, I-680, and State Route (SR-) 242; east to west regional access is provided through I-580, SR-4, and SR-24.

The proposed project defines the project area as unincorporated Contra Costa County. The EIR focuses on the analysis of potential impacts on lands only in unincorporated Contra Costa County, including land in each municipality's sphere of influence (SOI), but not inside municipal limits.

## 1.2.2 PROJECT SUMMARY

### Contra Costa County 2045 General Plan

The primary component of the project is an update of Contra Costa County's General Plan. The General Plan is a State-required legal document that provides guidance to decision-makers regarding allocation of resources and determining the future physical form and character of development within the unincorporated county. The proposed General Plan serves as the County's primary land use regulatory tool and serves as the basis for all planning-related decisions made by County staff, the Planning Commission, and Board of Supervisors. The proposed General Plan includes Stronger Communities; Land Use; Transportation; Conservation, Open Space, and Working Lands; Public Facilities and Services; Health and Safety; and Growth Management Elements. The Contra Costa County Housing Element, updated separately before the rest of the General Plan, was adopted on December 12, 2023.

### Climate Action and Adaptation Plan

The Contra Costa County Climate Action and Adaptation Plan 2024 Update (CAAP) is a comprehensive plan for reduction of greenhouse gas (GHG) emissions through a series of actions and strategies that would be undertaken by the County to help meet the State's GHG reduction targets. The CAAP also includes an adaptation plan that recommends actions to reduce vulnerability to the anticipated impacts of climate change. The proposed CAAP does not include any development proposals and would not directly result in physical environmental effects related to construction or operation of facilities.

## 1.3 ENVIRONMENTAL IMPACTS

### 1.3.1 IMPACTS CONSIDERED LESS THAN SIGNIFICANT

The DEIR identified various thresholds from the CEQA Guidelines among several environmental topic areas that would not be significantly impacted by the proposed project and therefore have no mitigation measures to monitor. Impacts in the following topic areas were found to be less than significant:

- AESTHETICS
- ENERGY
- GREENHOUSE GAS EMISSIONS
- HAZARDS AND HAZARDOUS MATERIALS
- HYDROLOGY AND WATER QUALITY
- LAND USE AND PLANNING
- POPULATION AND HOUSING
- PUBLIC SERVICES AND RECREATION
- UTILITIES AND SERVICE SYSTEMS

### **1.3.2 POTENTIALLY SIGNIFICANT ADVERSE IMPACTS THAT CAN BE MITIGATED, AVOIDED, OR SUBSTANTIALLY LESSENERD**

The DEIR identified various thresholds from the CEQA Guidelines among two environmental topic areas that could be reduced, avoided, or substantially lessened through the implementation of mitigation measures.

- **BIOLOGICAL RESOURCES**
- **GEOLOGY AND SOILS**

### **1.3.3 UNAVOIDABLE SIGNIFICANT ADVERSE IMPACTS**

The following impacts would remain significant and unavoidable after implementation of the required mitigation, as identified in the DEIR:

- **AGRICULTURE AND FORESTRY RESOURCES**
- **AIR QUALITY**
- **CULTURAL AND TRIBAL CULTURAL RESOURCES**
- **MINERAL RESOURCES**
- **NOISE**
- **TRANSPORTATION**
- **WILDFIRE**



## ***2. Mitigation Monitoring Process***

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Overall MMRP management is the responsibility of the County. The County may engage technical consultants (CEQA consultant, archaeologist, paleontologist, etc.) to perform related monitoring tasks under the direction of County staff.

### ***3. Mitigation Monitoring Requirements***

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As each discretionary project is proposed, County staff will review this MMRP to determine if one or more of the mitigation measures apply. The mitigation measures(s) will be included as appropriate in the development project conditions of approval. The County is responsible for implementation and monitoring of mitigation measures.

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**Table 3-1 Mitigation Monitoring Requirements**

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<b>5.3 Air Quality</b>			
<p><b>Mitigation Measure AQ-1</b> Prior to discretionary approval by the County for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), future development involving construction on 1 acre or more shall prepare and submit a technical assessment evaluating potential project construction-related air quality impacts to the County Department of Conservation and Development for review and approval. The evaluation shall be prepared in conformance with the Bay Area Air Quality Management District (BAAQMD) methodology for assessing air quality impacts identified in their CEQA Air Quality Guidelines. If construction-related criteria air pollutants are determined to have the potential to exceed the BAAQMD-adopted construction screening criteria and thresholds of significance, the Department of Conservation and Development shall require feasible mitigation measures to reduce air quality emissions. Potential measures may include:</p> <ul style="list-style-type: none"> <li>▪ Require implementation of the BAAQMD Best Management Practices for fugitive dust control, such as:</li> <li>▪ All exposed surfaces (e.g., parking areas, staging areas, soil piles, grading areas, and unpaved access roads) shall be watered two times per day.</li> <li>▪ All haul trucks transporting soil, sand, or other loose material off-site shall be covered.</li> <li>▪ All visible mud or dirt track out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.</li> <li>▪ All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph).</li> </ul>	<p>Prior to discretionary approval</p>	<p>Contra Costa County Department of Conservation and Development</p>	

3. MITIGATION MONITORING REQUIREMENTS

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<ul style="list-style-type: none"> <li>▪ 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.</li> <li>▪ All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.</li> <li>▪ All trucks and equipment, including their tires, shall be washed off prior to leaving the site.</li> <li>▪ Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.</li> <li>▪ Publicly visible signs shall be posted with the telephone number and name of the person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. BAAQMD’s General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.</li> </ul> <p>Measures shall be incorporated into appropriate construction documents (e.g., construction management plans) submitted to the County and shall be verified by the Department of Conservation and Development.</p>			
<p><b>Mitigation Measure AQ-2</b> Prior to discretionary approval by the County for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), future project applicants shall prepare and submit a technical assessment evaluating potential project operation-phase-related air quality impacts to the Department of Conservation and Development for review and approval. The evaluation shall be prepared in conformance with Bay Area Air Quality Management District (BAAQMD) methodology in assessing air quality impacts identified in their CEQA Air Quality Guidelines. If operation-related air pollutants are determined to have the potential to exceed the BAAQMD–adopted operational screening criteria and thresholds of significance, the Department of Conservation and Development shall</p>	<p>Prior to discretionary approval</p>	<p>Contra Costa County Department of Conservation and Development</p>	

3. MITIGATION MONITORING REQUIREMENTS

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<p>require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during operational activities. The identified measures shall be included as part of the conditions of approval. Possible mitigation measures to reduce long-term emissions could include, but are not limited to the following:</p> <ul style="list-style-type: none"> <li>▪ Implementing commute trip reduction programs.</li> <li>▪ Unbundling residential parking costs from property costs.</li> <li>▪ Expanding bikeway networks.</li> <li>▪ Expanding transit network coverage or hours.</li> <li>▪ Using cleaner-fueled vehicles.</li> <li>▪ Exceeding the current Title 24 Building Envelope Energy Efficiency Standards.</li> <li>▪ Establishing on-site renewable energy generation systems.</li> <li>▪ Requiring all-electric buildings.</li> <li>▪ Replacing gas-powered landscaping equipment with zero-emission alternatives.</li> <li>▪ Expanding urban tree planting</li> </ul>			
<p><b>Mitigation Measure AQ-3</b> Prior to discretionary approval by the County for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), future development involving construction on 1 acre or more within 1,000 feet of residential and other sensitive land uses (e.g., hospitals, nursing homes, schools, and day care centers) in the unincorporated county, shall submit a health risk assessment (HRA) to the County Department of Conservation and Development for review and approval. The HRA shall be prepared in accordance with policies and procedures of the Office of Environmental Health Hazard Assessment (OEHHA) and the Bay Area Air Quality Management District (BAAQMD). The latest OEHHA guidelines shall be used for the analysis, including age sensitivity factors, breathing rates, and body weights appropriate for children ages 0 to 16 years. If the HRA shows that the incremental cancer risk exceeds the respective threshold established by the BAAQMD—project-</p>	<p>Prior to discretionary approval</p>	<p>Contra Costa County Department of Conservation and Development</p>	

3. MITIGATION MONITORING REQUIREMENTS

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<p>level risk of six in one million in Impacted Communities, BAAQMD’s Overburdened Communities, and within 1,000 feet of a BAAQMD Overburdened Community; ten in a million in all other areas; PM2.5 emissions that exceed 0.3 µg/m3; or the appropriate noncancer hazard index exceeds 1.0—the applicant will be required to identify and demonstrate that mitigation measures are capable of reducing potential cancer and non-cancer risks below the respective threshold, including appropriate enforcement mechanisms. Measures to reduce risk may include, but are not limited to:</p> <ul style="list-style-type: none"> <li>▪ Use of construction equipment rated as US EPA Tier 4 Interim for equipment of 50 horsepower or more.</li> <li>▪ Use of construction equipment fitted with Level 3 Diesel Particulate Filters for all equipment of 50 horsepower or more.</li> </ul> <p>Measures identified in the HRA shall be included in the environmental document and/or incorporated into the site development plan as a component of the proposed project. Prior to issuance of any construction permit, the construction contractor shall ensure that all construction plans submitted to the Department of Conservation and Development clearly show incorporation of all applicable mitigation measures.</p>			
<p><b>Mitigation Measure AQ-4</b></p> <p>Prior to discretionary approval by the County, project applicants for new industrial or warehousing development projects that 1) have the potential to generate 100 or more diesel truck trips per day or have 40 or more trucks with operating diesel-powered transport refrigeration units, and 2) are within 1,000 feet of a sensitive land use (e.g., residential, schools, hospitals, nursing homes) or Impacted Community, as measured from the property line of the project to the property line of the nearest sensitive use, shall submit a health risk assessment (HRA) to the Department of Conservation and Development for review and approval. The HRA shall be prepared in accordance with policies and procedures of the State Office of Environmental Health Hazard Assessment (OEHHA) and the Bay Area Air Quality Management District (BAAQMD). The latest OEHHA guidelines shall be used for the analysis, including age sensitivity factors, breathing rates, and body weights appropriate for children ages 0 to 16 years. If the HRA shows that the cumulative and project-level incremental cancer risk,</p>	<p>Prior to discretionary approval</p>	<p>Contra Costa County Department of Conservation and Development</p>	

3. MITIGATION MONITORING REQUIREMENTS

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<p>noncancer hazard index, and/or PM2.5 exceeds the respective threshold, as established by BAAQMD (all areas of the unincorporated county) and project-level risk of six in one million in Impacted Communities, BAAQMD’s Overburdened Communities, and within 1,000 feet of a BAAQMD Overburdened Community; ten in a million in all other areas; PM2.5 emissions that exceed 0.3 µg/m3; or the appropriate noncancer hazard index exceeds 1.0, the project applicant will be required to identify best available control technologies for toxics (T BACTs) and appropriate enforcement mechanisms, and demonstrate that they are capable of reducing potential cancer, noncancer risks, and PM2.5 to an acceptable level. T-BACTs may include but are not limited to:</p> <ul style="list-style-type: none"> <li>▪ Restricting idling on-site beyond Air Toxic Control Measures idling restrictions.</li> <li>▪ Electrifying warehousing docks.</li> <li>▪ Requiring use of newer equipment.</li> <li>▪ Requiring near-zero or zero-emission trucks for a portion of the vehicle fleet based on opening year.</li> <li>▪ Truck Electric Vehicle (EV) Capable trailer spaces.</li> <li>▪ Restricting off-site truck travel through the creation of truck routes.</li> </ul> <p>T-BACTs identified in the HRA shall be identified as mitigation measures in the environmental document and/or incorporated into the site plan.</p>			



3. MITIGATION MONITORING REQUIREMENTS

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<b>5.4 BIOLOGICAL RESOURCES</b>			
<p><b>Mitigation Measures BIO-1</b> Prior to issuance of a building permit for projects not exempt from the California Environmental Quality Act, the County shall require a habitat connectivity/wildlife corridor evaluation for future development that may impact existing connectivity areas and wildlife linkages. The evaluation shall identify project design features that would reduce potential impacts and maintain habitat and wildlife movement. To this end, the County shall incorporate the following measures, to the extent practicable, for projects impacting wildlife movement corridors:</p> <ul style="list-style-type: none"> <li>▪ Encourage clustering of development.</li> <li>▪ Avoid known sensitive biological resources.</li> <li>▪ Provide shielded lighting adjacent to sensitive habitat areas.</li> <li>▪ Encourage development plans that maximize wildlife movement.</li> <li>▪ Provide buffers between development and wetland/riparian areas.</li> <li>▪ Protect wetland/riparian areas through regulatory agency permitting process.</li> <li>▪ Encourage wildlife-passable fence designs (e.g., three-strand barbless wire fence) on property boundaries.</li> <li>▪ Encourage preservation of native habitat on developed parcels.</li> <li>▪ Minimize road/roadway development to help prevent loss of habitat due to roadkill and habitat loss.</li> <li>▪ Use native, drought-resistant plant species in landscape design.</li> <li>▪ Encourage participation in local/regional recreational trail design efforts.</li> </ul>	<p>Prior to issuance of a building permit</p>	<p>Contra Costa County Department of Conservation and Development</p> <p>Qualified Biologist</p>	
<b>5.5 CULTURAL AND TRIBAL CULTURAL RESOURCES</b>			
<p><b>Mitigation Measure CUL-1</b> Prior to initiation of construction activities for discretionary projects that are not exempt from CEQA and would involve ground-disturbing activities on previously undisturbed sites or alteration of potentially significant built environment resources, or as otherwise directed by the County, the project applicant shall be required to retain a cultural resources consultant with staff that meets the Secretary of the Interior’s Professionally Qualified</p>	<p>Prior to initiation of construction activities</p>	<p>Contra Costa County Department of Conservation and Development</p>	

3. MITIGATION MONITORING REQUIREMENTS

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<p>Standards to conduct a cultural records search and complete the following steps as relevant.</p> <p>The cultural resources consultant shall:</p> <ul style="list-style-type: none"> <li>▪ Conduct a records search with the California Historical Resources Information System.</li> <li>▪ If the record search shows a pedestrian survey has been conducted within the last 10 years and the survey results were negative, the project applicant shall provide those results to the County for summary in environmental analysis.</li> <li>▪ If no survey has been performed, or if cultural resources are present, the project applicant shall direct the cultural resources consultant to:                             <ul style="list-style-type: none"> <li>○ Conduct a pedestrian survey (if none has been completed).</li> <li>○ Update the records for known resources.</li> <li>○ Record new built environment and archaeological resources.</li> <li>○ Determine if the resources have been previously evaluated for the California Register of Historical Resources.</li> <li>○ If the resources were previously determined ineligible for listing, the cultural resources consultant shall describe those results for use in the County’s environmental analysis.</li> <li>○ If the resources have not been evaluated, the cultural resources consultant shall evaluate the resources for listing on the California Register of Historical Resources, and local registers.</li> <li>○ If the resources were previously determined eligible or are proposed to be register-eligible, the cultural resources consultant shall determine if the project would result in a</li> </ul> </li> </ul>		<p>Qualified Cultural Resources Consultant</p>	

3. MITIGATION MONITORING REQUIREMENTS

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<p>“substantial adverse change in the resource” as defined in CEQA Guidelines Section 15064.5(b)(1).</p> <ul style="list-style-type: none"> <li>o If a substantial adverse change would occur, the cultural resources consultant shall support the County in identifying feasible mitigation approaches.</li> </ul>			
<p><b>Mitigation Measure TCR-1</b> Prior to initiation of construction activities for discretionary projects that are not exempt from CEQA and would involve ground-disturbing activities on previously undisturbed sites, or as otherwise directed by the County, the project applicant may be required to enter into a cultural resources treatment agreement with the culturally affiliated tribe. If required, the agreement would address the treatment and disposition of cultural resources and human remains that may be impacted as a result of the development as well as provisions for tribal monitors. If an agreement is required, the applicant must provide a copy of the cultural resources treatment agreement to the County prior to issuance of a grading or building permit. Regardless of whether an agreement is required, if cultural resources are discovered during project construction, all work in the area shall cease and a qualified archaeologist and representatives of the culturally affiliated tribe shall be retained by the project sponsor to investigate the find and make recommendations as to treatment and mitigation.</p>	<p>Prior to initiation of construction activities</p>	<p>Contra Costa County Department of Conservation and Development</p> <p>Qualified Archaeologist, Culturally Affiliated Tribe Member</p>	
<p><b>Mitigation Measure TCR-2</b> Tribal monitors from the culturally affiliated tribe shall be allowed to monitor all grading, excavation, and ground-breaking activities, including archaeological surveys, testing, and studies for discretionary projects that are not exempt from CEQA and that would involve ground-disturbing activities on previously undisturbed sites, or as otherwise directed by the County.</p>	<p>During construction activities</p>	<p>Contra Costa County Department of Conservation and Development</p> <p>Tribal Monitor</p>	
<b>5.7 GEOLOGY AND SOILS</b>			
<p><b>Mitigation Measure GEO-1</b> Prior to initiation of construction activities for discretionary projects that are not exempt from CEQA and would involve ground-disturbing activities on previously undisturbed sites, or as otherwise directed by the County, the project applicant shall be required to retain a Qualified Professional Paleontologist to determine the project’s potential to significantly impact</p>	<p>Prior to initiation of construction activities</p>	<p>Contra Costa County Department of Conservation and Development</p>	

3. MITIGATION MONITORING REQUIREMENTS

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<p>paleontological resources according to Society of Vertebrate Paleontology standards. If necessary, the Qualified Professional Paleontologist shall recommend mitigation measures to reduce potential impacts to paleontological resources to a less-than-significant level.</p>		<p>Qualified Professional Paleontologist</p>	
<p><b>5.13 NOISE</b></p>			
<p><b>Mitigation Measure N-1</b></p> <p>Require construction contractors to implement the following measures for construction activities. Demolition, grading, and construction plans submitted to the County shall identify these measures and the County Department of Conservation and Development shall verify that the submitted plans include these notations prior to issuance of demolition, grading, or construction permits:</p> <ul style="list-style-type: none"> <li>▪ During the entire active construction period, equipment and trucks used for project construction shall use the best-available noise control techniques (e.g., improved mufflers, equipment re-design, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds) available.</li> <li>▪ Impact tools (e.g., jack hammers and breakers) shall be hydraulically or electrically powered wherever possible. Where the use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used along with external noise jackets on the tools.</li> <li>▪ Stationary equipment, such as generators and air compressors, shall be as far as feasible from nearby noise-sensitive uses.</li> <li>▪ Stockpiling shall be as far as feasible from nearby noise-sensitive receptors.</li> <li>▪ Construction traffic shall be limited, to the extent feasible, to approved haul routes approved by the County Conservation and Development and Public Works Departments.</li> <li>▪ At least 10 days prior to the start of construction activities, a sign shall be posted at the entrance(s) to the job site, clearly visible to the public, that includes permitted construction days and hours, as</li> </ul>	<p>Prior to issuance of demolition, grading, or building permits and during construction activities</p>	<p>Contra Costa County Department of Conservation and Development</p> <p>Construction Contractors</p>	

3. MITIGATION MONITORING REQUIREMENTS

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<p>well as the telephone numbers of the County’s and contractor’s authorized representatives that are assigned to respond in the event of a noise or vibration complaint. If the authorized contractor’s representative receives a complaint, they shall investigate, take appropriate corrective action, and report the action to the County.</p> <ul style="list-style-type: none"> <li>▪ Signs shall be posted at the job site entrance(s), within the on-site construction zones, and along queueing lanes (if any) to reinforce the prohibition of unnecessary engine idling. All other equipment shall be turned off if not in use for more than 5 minutes.</li> <li>▪ During the entire active construction period and to the extent feasible, the use of noise-producing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only. The construction manager shall use smart back-up alarms, which automatically adjust the alarm level based on the background noise level or switch off back-up alarms and replace them with human spotters in compliance with all safety requirements and laws.</li> <li>▪ Erect temporary noise barriers (at least as high as the exhaust of equipment and breaking line-of-sight between noise sources and sensitive receptors), as necessary and feasible, to maintain construction noise levels at or below the performance standard of 80 dBA Leq. Barriers shall be constructed with a solid material that has a density of at least 4 pounds per square foot with no gaps from the ground to the top of the barrier.</li> </ul>			
<p><b>Mitigation Measure N-2</b> Prior to issuance of a building permit for a project requiring pile driving during construction within 135 feet of fragile structures, such as historical resources, 100 feet of non-engineered timber and masonry buildings (e.g., most residential buildings), or within 75 feet of engineered concrete and masonry (no plaster); or a vibratory roller within 25 feet of any structure, the project applicant shall prepare a noise and vibration analysis to assess and mitigate potential noise and vibration impacts related to these activities. This noise and vibration analysis shall be conducted by a qualified and</p>	<p>Prior to issuance of a building permit</p>	<p>Contra Costa County Department of Conservation and Development  Acoustical Consultant or Engineer</p>	

3. MITIGATION MONITORING REQUIREMENTS

Mitigation Measure	Timing	Responsibility for Implementation & Monitoring	Monitor (Signature Required) (Date of Compliance)
<p>experienced acoustical consultant or engineer. The vibration levels shall not exceed FTA architectural damage thresholds (i.e., 0.12 inches per second [in/sec] peak particle velocity [PPV] for fragile or historical resources, 0.2 in/sec PPV for non-engineered timber and masonry buildings, and 0.3 in/sec PPV for engineered concrete and masonry). If vibration levels would exceed this threshold, alternative uses such as drilling piles as opposed to pile driving and static rollers as opposed to vibratory rollers shall be used. If necessary, construction vibration monitoring shall be conducted to ensure vibration thresholds are not exceeded.</p>			
<p><b>Mitigation Measure N-3</b> During the project-level CEQA process for industrial development projects or other projects that could generate substantial vibration levels near sensitive uses, such as residential uses, a noise and vibration analysis shall be conducted to assess and mitigate potential noise and vibration impacts related to the operations of that individual development. This noise and vibration analysis shall be conducted by a qualified and experienced acoustical consultant or engineer and shall follow the latest CEQA guidelines, practices, and precedents.</p>	<p>Prior to approval of the project</p>	<p>Contra Costa County Department of Conservation and Development  Acoustical Consultant or Engineer</p>	

## ***4. Mitigation Monitoring Reports***

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The County will keep a report of MMRP compliance with each development project file.

Monitoring reports are public documents and are available for review by the general public.