Attachment B.5

CHINO 2045 GENERAL PLAN UPDATE
PROGRAM ENVIRONMENTAL IMPACT REPORT
(SCH #2024090833)

MITIGATION MONITORING AND REPORTING PROGRAM

Mitigation Monitoring and Reporting Program

Section 21081.6 of the California Environmental Quality Act (CEQA) Guidelines requires that a Mitigation Monitoring and Reporting Program (MMRP) be adopted upon certification of an Environmental Impact Report (EIR) to ensure that the mitigation measures are implemented. The MMRP specifies the mitigation measures that have been identified to address potential impacts that would result from adoption of the City of Chino (City) 2045 General Plan Update (project) and future site-specific development. The MMRP additionally identifies the entity responsible for implementing and/or monitoring the mitigation; and when in the process it should be accomplished.

The Program EIR (PEIR) prepared for the project focuses on issues determined to be potentially significant by the City. The issues addressed in the PEIR include aesthetics, air quality, biological resources, cultural and tribal cultural resources, geology and soils, greenhouse gas (GHG) emissions, hazards and hazardous materials, hydrology and water quality, land use and planning, noise, population and housing, public services and recreation, transportation, utilities and service systems, and wildfire.

Public Resources Code Section 21081.6 requires monitoring of only those impacts identified as significant or potentially significant. After analysis, potentially significant impacts were identified for air quality, biological resources, cultural and tribal cultural resources, geology and soils, GHG emissions, noise, and transportation.

Implementation of the mitigation measures identified in this PEIR would reduce potentially significant impacts, but not to below a level of significance for all the environmental issue areas. Mitigation measures have been identified for significant impacts related to air quality (air quality plans; criteria pollutants; sensitive receptors), biological resources (special status species, sensitive riparian habitats, jurisdictional wetlands and waters), cultural and tribal cultural resources (historic resources; archaeological resources; tribal cultural resources), geology and soils (paleontological resources), GHG emissions (GHG emissions; policy consistency), and noise (ambient noise [traffic noise/land use compatibility/stationary noise/construction noise]; groundborne noise and vibration). No feasible mitigation was identified for impacts to transportation (circulation system: roadway system vehicle miles traveled). Impacts related to air quality (air quality plans; criteria pollutants; sensitive receptors), cultural and tribal resources (historic resources), greenhouse gas (emissions; policy consistency), noise (ambient noise: traffic noise/land use compatibility; groundborne noise and vibration: construction), and transportation (circulation system: roadway system; vehicle miles traveled) would remain significant and unavoidable at the program level.

The MMRP for the project is under the jurisdiction of the City. As specified in Table 1, the MMRP summarizes the potentially significant impacts and lists the associated mitigation measures and the monitoring efforts necessary to ensure that the measures are properly implemented.

Table 1 Mitigation Monitoring and Reporting Program			
Potential Significant Impact	Mitigation Measure	Timeframe of Mitigation	Monitoring, Enforcement, and Reporting Responsibility
Air Quality			
Issue 1: Conflict with Air Quality Plan: Construction Emissions	**AQ-1: Construction Air Quality** Applications for future development and redevelopment, wherein the City's Director of the Development Services Department or their designee has determined a potential for air quality impacts associated with construction, shall prepare and submit a technical assessment evaluating potential project construction-related air quality impacts to the City for review and approval. The City's Director of the Development Services Department or their designee shall make this determination based on the size of the project, whether the project would require a transportation impact analysis, or other criteria. The evaluation shall be prepared in conformance with SCAQMD methodology for assessing air quality impacts. The City shall require that applicants for new development projects with the potential to exceed the SCAQMD's adopted thresholds of significance to incorporate the measures listed below to reduce air pollutant emissions during construction activities. These identified measures shall be incorporated into all appropriate construction documents (e.g., construction management plans) submitted to the City and shall be verified by the City. Mitigation measures to reduce construction-related emissions could include, but are not limited to: • During all construction activities, construction contractors shall use low emission mobile construction equipment where feasible to reduce the release of undesirable emissions. • During all construction activities, construction contractors shall encourage rideshare and transit programs for project construction personnel to reduce automobile emissions. • During all grading and site disturbance activities, construction contractors shall water active grading sites at least twice a day, and clean construction equipment in the morning and/or evening to reduce particulate emissions and fugitive dust. • During all construction activities, construction contractors shall, as necessary, wash truck tires leaving the site to reduce the amount of particulate matter transferred to paved streets as required by SCAQMD Rule 403. • During all construction activities, construction contractors shall sweep on- and off-site streets if silt is carried over to adjacent public thoroughfares, as determined by the City Engineer to reduce the amount of particulate matter on public streets.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Air Quality Technical Specialist, Applicant

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	• During all construction activities, construction contractors shall limit traffic speeds on all unpaved road surfaces to 15 mph or less to reduce fugitive dust. • During grading and all site disturbance activities, at the discretion of the City's Director of the Development Services Department, construction contractors shall suspend grading operations during first and second stage smog alerts to reduce fugitive dust. • During grading and all site disturbance activities, at the discretion of the City's Director of the Development Services Department, construction contractors shall suspend all grading operations when wind speeds (including instantaneous gusts) exceed 25 mph to reduce fugitive dust. • During all construction activities, the construction contractors shall maintain construction equipment engines by keeping them tuned. • During all construction activities, the construction contractors shall use low sulfur fuel for stationary construction equipment as required by SCAQMD Rules 431.1 and 431.2 to reduce the release of undesirable emissions. • During all construction activities, the construction contractors shall use existing on-site electrical power sources to the maximum extent practicable. Where such power is not available, the Contractor shall use clean fuel generators during the early stages of construction to minimize or eliminate the use of portable generators and reduce the release of undesirable emissions. • During all construction activities, the construction contractors shall use low emission, on site stationary equipment (e.g., clean fuels) to the maximum extent practicable to reduce emissions, as determined by the City Engineer. • During all construction activities, the construction contractors, in conjunction with the City Engineer, shall locate construction parking to minimize traffic interference on local roads. • During all construction activities, the construction contractors shall ensure that all trucks hauling dirt, sand, soil or other loose materials are covered or should maintain at least two feet of freeboard (i.e., minimum vertical distance between top of the load and the top of the trailer) in accordance with the requirements of the California Vehicle Code Section 23114 to reduce spilling of material on area roads. • During architectural coating activities, use Super-Compliant VOC paints for coating of architectural surfaces whenever possible. A list of		

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	Super-Compliant architectural coating manufactures can be found on the SCAQMD's website.		
Issue 1: Conflict with Air Quality Plan: Operational Emissions	**AQ-2: Operational Air Quality** Applications for future development and redevelopment, wherein the City's Director of the Development Services Department or their designee has determined a potential for air quality impacts associated with operation, shall prepare and submit a technical assessment evaluating potential project operational-related air quality impacts to the City for review and approval. For individual projects that may exceed the daily operational emissions thresholds established by the SCAQMD, the owner/permitee shall conduct an analysis of the project's operational air quality impacts using the latest available CalEEMod mode, or other analytical method determined in conjunction with the City. The City's Director of the Development Services Department or their designee shall make this determination based on the size of the project, whether the project would require a transportation impact analysis, or other criteria. The evaluation shall be prepared in conformance with SCAQMD methodology for assessing air quality impacts. If such analyses identify potentially significant regional or local air quality impacts, project-level mitigation and/or project design features would be required to reduce operational impacts to less than significant. Mitigation to reduce operational impacts depends on the specific project, but may include measures such as, but not limited to: • Demonstrate net zero energy expenditure. • Implementation of transportation demand management measures. • Prohibit the installation of woodstoves, hearths, and fireplaces in new construction facilitated by the General Plan Update. • Expand and facilitate completion of planned networks of active transportation infrastructure. • Implement electric vehicle charging infrastructure beyond requirements set forth in the 2022 CALGreen mandatory measures, such as Tier 2 voluntary measures set forth in 2022 CALGreen (or future more stringent) standards. • Implement traffic demand measures, such as unbundling parking fees from rent/lease options, encouraging/developing a ride-share program for the community, and provide car/bike sharing services, that will reduce daily individual car usage and reduce project VMT.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Air Quality Technical Specialist, Applicant

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Potential Significant Impact	Mitigation Measure	Timeframe of Mitigation	Monitoring, Enforcement, and Reporting Responsibility
Issue 2: Cumulative Net Increases in Criteria Pollutants: Construction Emissions	See mitigation measure AQ-1 above.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Air Quality Technical Specialist, Applicant
Issue 2: Cumulative Net Increases in Criteria Pollutants: Operational Emissions	See mitigation measure AQ-2 above.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Air Quality Technical Specialist, Applicant
Issue 3: Expose Sensitive Receptors to Substantial Pollutant Concentrations	**AQ-3: Health Risk Assessment** For site-specific projects that may site new sensitive land uses within 500 feet of SR-71 or SR-60, the applicant shall prepare a HRA evaluating the potential for sensitive receptors to be exposed to TACs, which shall be required for such individual projects. The HRA shall be prepared in accordance with the policies and procedures of the state OEHHA and the SCAQMD. If the HRA shows that the incremental cancer risk and/or noncancer hazard index exceed the respective thresholds, as established by the SQAQMD at the time a project is considered (i.e., 10 in one million cancer risk and 1 hazard index), the project applicant will be required to identify and demonstrate that best available control technologies to reduce substantial exposure of sensitive receptors to TACs. Examples may include, but are not limited to, air intakes located away from high-volume roadways and/or truck loading zones unless it can be demonstrated that these are operational limitations and/or heating, ventilation, and air conditioning systems provided with appropriately sized MERV filters. Mitigation measures identified in the HRA shall be incorporated into the site development plan as a component of the proposed project. Air intake and MERV filter requirements shall be noted on all building plans submitted to the City Development Services Department.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Air Quality Technical Specialist, Applicant

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Biological Resources			
Issue 1: Special Status Species	**BIO-1: Biological Assessment and Mitigation** Applications for future development of vacant properties (and portions thereof), wherein the City's Director of Development Services or their designee has determined a potential for impacts to sensitive biological resources, shall be required to prepare a site-specific general biological resources survey to identify the presence of any sensitive biological resources, including any sensitive plant or wildlife species. The report shall identify the need for focused presence/absence surveys and identify the presence of state or federal regulated wetlands or waters. If potentially significant impacts to sensitive biological resources, including sensitive species and/or wetlands are identified, the report shall also recommend appropriate mitigation to reduce the impacts to below a level of significance.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Biologist, Applicant
Issue 1: Special Status Species	**BIO-2: Nesting Birds** Applications for future development, wherein the City's Director of Development Services or their designee has determined a potential for impacts to mature trees and/or native vegetation suitable for nesting birds, shall be required to restrict removal of sensitive habitat and vegetation to outside the breeding seasons of any sensitive species identified within adjacent properties (typical bird breeding season is January 15 to September 15, as early as January 1 for some raptors). If vegetation clearing must begin during the breeding season, a qualified biologist shall provide recommendations to avoid impacts to nesting birds which typically includes a pre-construction survey within three days of the start of construction to determine the presence of active nests. If active nests are found, avoidance measures shall be implemented to ensure protection of the nesting birds. Avoidance measures may include a no-activity buffer zone, typically 300 feet from the area of disturbance or 500 feet for raptors, established at the discretion of the qualified biologist in consultation with the City, If activity buffer zones are not feasible, temporary noise barriers may be installed to attenuate construction noise. Noise wall height and adequacy shall be supported by a noise analysis to determine the anticipated construction noise levels with attenuation measures as recommended by the biologist and approved by the City. Periodic noise monitoring shall be conducted during construction to ensure noise attenuation standards are met. Accepted noise levels are species dependent and existing ambient noise levels can play a factor in establishing baseline acceptable noise.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Biologist, Applicant

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Issue 2: Sensitive Vegetation Communities	See mitigation measure BIO-1 above.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Biologist, Applicant
Issue 3: Wetlands	See mitigation measure BIO-1 above.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Biologist, Applicant
Cultural Resources			
Issue 1: Historic Resources	**CUL-1: Historic Evaluation** Prior to approval of a future site-specific project that would directly or indirectly affect a building/structure in excess of 50 years of age, the City or a qualified architectural historian shall determine whether the affected building/structure is historically significant. The evaluation shall be based on criteria such as age, location, context, association with an important person or event, uniqueness, or structural integrity, as indicated in the CEQA guidelines. If the evaluation determines that building/structure is not historic, no further evaluation or mitigation would be required. If the building/structure is determined to be historically significant, the preferred mitigation would be to avoid the resource through project redesign. If the resource cannot be avoided, all prudent and feasible measures to minimize or mitigate harm to the resource shall be taken per recommendations of the qualified architectural historian.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Architectural Historian, Applicant
Issue 2: Archaeological Resources	**CUL-2: Cultural Resources Assessment** Prior to project approval or the issuance of grading permits (whichever is applicable and comes first), the City shall require applicants for future proposed ground disturbing projects to determine the presence or absence of archaeological resources and appropriate mitigation measures. The following steps to achieve these goals: 1) A qualified archaeologist meeting the Secretary of the Interior Standards shall conduct a cultural resources assessment consisting of a record search from the SCCIC, a sacred lands search from the NAHC, a pedestrian survey, background context and project specific recommendations 2) If the cultural resources assessment identifies archaeological resources that have not been evaluated for significance per CEQA thresholds (see Section 4.4.3 above), then an evaluation program shall be completed. An	Prior to project approvals or issuance of grading permits	Director of the Development Services Department or their designee, Qualified Archaeologist, Applicant

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	evaluation program generally will include excavation to determine depth, extent, integrity, and content of the subsurface cultural material, 3) If an archaeological resource is determined significant and avoidance through project redesign is not feasible, a data recovery and construction monitoring program shall be implemented to reduce impacts to an archaeological resource to below a significant level, and 4) After construction, a final data recovery and monitoring report shall be completed documenting the result of the data recovery, research design, and monitoring efforts. Confidential attachments must be submitted under separate covers. Artifacts collected during the evaluation, data recovery, and monitoring efforts must be curated at an appropriate facility consistent with the state and federal curation standards (36 CFR 79 of the Federal Register) and that allows access to the artifact collections.		
Issue 4: Tribal Cultural Resources	See mitigation measure CUL-2 above.	Prior to project approvals or issuance of grading permits	Director of the Development Services Department or their designee, Qualified Archaeologist, Applicant
Geology and Soils			
Issue 6: Paleontological Resources and Unique Geology	**GEO-1: Paleontological Resources Evaluation** Applications for future development, wherein the Community Development Director or his or her designee has determined a potential for impacts to paleontological resources, shall review the underlying geology and paleontological sensitivity of the site. If it is determined that the potential exists that sensitive paleontological resources are present, the applicant shall provide a paleontological resources technical report consisting of a record search, survey, background context and project specific recommendations performed by a qualified paleontologist. If it is determined there is potential for paleontological resources to be present, a qualified paleontological monitor shall be present during grading in locations where the paleontological resources technical report determined that such monitoring is necessary due to the potential for paleontological resources to reside within the underlying geologic formations. The paleontological resources technical report shall also provide specific duties of the monitor, and detailed measures to address fossil remains, if found.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Paleontologist, Applicant

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Greenhouses Gas Emissions			
Issue 1: GHG Emissions	**GHG-1: Greenhouse Gas** All future site-specific projects shall be required to demonstrate consistency with the City's CAP. As stated in Appendix A of the CAP, analysis of site-specific projects can either be done through emissions calculations or by using the Screening Tables. Site-specific projects that obtain at least 100 points would be consistent with the reduction quantities anticipated in the CAP. Those site-specific projects that do not obtain 100 points using the Screening Tables would need to provide additional analysis to determine the significance of GHG emissions. Per Section 15.45.070 of the City's Municipal Code, GHG Performance Standards for New Development, all new development not utilizing the Screening Tables shall contribute to the reduction of GHG emissions by demonstrating consistency with the CAP by implementing one or a combination of the following three options: 1. Exceed the mandatory California Energy Code Title 24, Part 6 standards, in effect at the time of application submittal by five percent; or 2. Achieve an equivalent reduction through voluntary measures in the California Green Building Standards Code, Title 24, Part 11 (CALGreen) in effect at the time of development application submittal for discretionary review; or 3. Provide other equivalent GHG reductions through measures including, but not limited to, non-vehicle transportation infrastructure, transit, ZEV (zero emission vehicle) infrastructure or other incentives, waste diversion, water conservation, tree planting, renewable energy option packages, or any combination of these or other measures such that GHG emissions are reduced by 0.074 MT CO_2E per residential dwelling unit per year and/or per thousand square feet of commercial/industrial use per year. Applicants that choose Option 1 described above would be required to verify that their site-specific project meets the five percent improvement above the mandatory standards through the appropriate certificate of compliance form for residential construction (CF-1R) or for commercial/industrial construction (PERF-1C). Applicants that choose Options 2 or 3 described above would be required to utilize the GHG Performance Standard Checklist developed by the City, or provide other valid documentation, such as CalEEMod or other methodologies, as verified by the director of development services to demonstrate the required GHG reductions consistent with the City's CAP.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Air Quality Technical Specialist, Applicant

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Issue 2: Policies, Plans, and Regulations Intended to Reduce GHG Emissions	Refer to mitigation measure GHG-1 above.	Prior to project approvals	Director of the Development Services Department or their designee, Qualified Air Quality Technical Specialist, Applicant
Noise			
Issue 1: Increase in Ambient Noise: Traffic Noise	**NOI-1: Exterior Noise Analysis** Prior to the issuance of building permits, site-specific exterior noise analyses that demonstrate that the site-specific project would not place residential receptors in locations where the exterior existing or future noise levels would exceed the City's noise compatibility standards (Table HSN-1) shall be required as part of the review of future residential development proposals. Noise reduction measures, including but not limited to building noise barriers, increased building setbacks, speed reductions on surrounding roadways, alternative pavement surfaces, or other relevant noise attenuation measures, may be used to achieve the noise compatibility standards. Exact noise mitigation measures and their effectiveness shall be determined by the site-specific exterior noise analyses.	Prior to project approvals and prior to the issuance of building permits	Director of the Development Services Department or their designee, Qualified Noise Specialist/Acoustical Engineer, Applicant
Issue 1: Increase in Ambient Noise: Land Use Compatibility	**NOI-2: Interior Noise Analysis** Prior to the issuance of building permits, site specific interior noise analyses demonstrating compliance with the City's interior noise compatibility standards and other applicable regulations shall be prepared for noise sensitive land uses located in areas where the exterior noise levels exceed the City's noise compatibility standards. Noise control measures, including but not limited to increasing roof, wall, window, and door sound attenuation ratings, placing heating, ventilation, and air conditioning equipment in noise reducing enclosures, or designing buildings so that no windows face freeways or major roadways may be used to achieve the noise compatibility standards. Exact noise mitigation measures and their effectiveness shall be determined by the site-specific exterior noise analyses.	Prior to project approvals and prior to the issuance of building permits	Director of the Development Services Department or their designee, Qualified Noise Specialist/Acoustical Engineer, Applicant
Issue 1: Noise Standards: Increase in Ambient Noise: Stationary Noise	**NOI-3: Stationary Noise** Prior to the issuance of a building permit, a site-specific acoustical/noise analysis of any on-site generated noise sources, including generators, mechanical equipment, and trucks, shall be prepared which identifies all noise-generating equipment, predicts noise levels at property lines from all identified equipment, and recommends mitigation to be implemented (e.g., enclosures, barriers, site orientation), to ensure compliance with the City's noise standards. Noise reduction	Prior to project approvals and prior to the issuance of building permits	Director of the Development Services Department or their designee, Qualified Noise Specialist/Acoustical Engineer, Applicant

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	measures shall include building noise-attenuating walls, limiting the hours of operation, or other attenuation measures. Additionally, future site-specific projects shall be required to buffer sensitive receptors from noise sources through the use of open space and other separation techniques as recommended after thorough analysis by a qualified acoustical engineer. Exact noise mitigation measures and their effectiveness shall be determined by the site-specific noise analyses.		
Issue 1: Noise Standards: Increase in Ambient Noise: Construction Noise	**NOI-4: Construction Noise** Construction contractors shall implement the following measures for construction activities conducted in the Planning Area. These measures shall be identified on demolition, grading, and construction plans submitted to the City: • The City's Development Services Department shall verify that grading, demolition, and/or construction plans submitted to the City include these notations prior to issuance of demolition, grading, and/or building permits. • Construction activity is limited to the hours: Between 7:00 a.m. and 8:00 p.m. Monday through Saturday as prescribed in Municipal Code Section 15.44.030. No construction activities shall be permitted outside of these hours or on Sundays and federal holidays. • 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 redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds), wherever feasible. • Impact tools (e.g., jack hammers and hoe rams) 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. • Stationary equipment, such as generators and air compressors shall be located as far as feasible from nearby noise sensitive land uses. • Stockpiling shall be located as far as feasible from nearby noise sensitive land uses. • Construction traffic shall be limited, to the extent feasible, to approved haul routes established by the City's Development Services Department. • 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 well as the telephone numbers of the City's and contractor's authorized representatives that are assigned to respond in the event of a noise or vibration complaint. If the	Prior to project approvals, at least 10 days prior to the start of construction activities, during construction	Director of the Development Services Department or their designee, Construction Contractors, Applicant

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	authorized contractor's representative receives a complaint, he/she shall investigate, take appropriate corrective action, and report the action to the City. • 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. • 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 backup alarms, which automatically adjust the alarm level based on the background noise level or switch off backup alarms and replace with human spotters in compliance with all safety requirements and laws. • 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 noise level limits established in the Municipal Code.		
Issue 2: Groundborne Noise and Vibration: Construction	NOI-5: Construction Vibration 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 experienced acoustical consultant or engineer. The vibration levels shall not exceed FTA architectural damage thresholds (e.g., 0.12 in/sec 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.	Prior to project approvals and prior to issuance of a building permit	Director of the Development Services Department or their designee, Qualified Noise Specialist/Acoustical Engineer, Applicant