

# Mitigation Monitoring and Reporting Program

## Crawford High School and Mann Middle School Athletic Facilities Upgrade and Modernization Project

State Clearinghouse No. 2013031019

Lead Agency:

San Diego Unified School District

4860 Ruffner Street

San Diego, CA 92111

Prepared by:

ICF International

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## MITIGATION MONITORING AND REPORTING PROGRAM

### San Diego Unified School District

#### **Crawford High School and Mann Middle School Athletic Facilities Upgrade and Modernization Project**

The San Diego Unified School District would adopt this Mitigation Monitoring and Reporting Program (MMRP) in accordance with Public Resources Code (PRC) Section 21081.6 and Section 15097 of the California Environmental Quality Act (CEQA) Guidelines. The purpose of the MMRP is to ensure that the Crawford High School and Mann Middle School Athletic Facilities Upgrade and Modernization Project, which is the subject of the Environmental Impact Report (EIR), complies with all applicable environmental mitigation requirements. The mitigation measures for the project would be adopted by the San Diego Unified School District, in conjunction with the adoption of the EIR. The mitigation measures have been integrated into this MMRP. Within this document, the approved mitigation measures are organized and referenced by subject category. The mitigation measures are provided in Attachments A (Crawford High School) and B (Mann Middle School). The specific mitigation measures are identified, as well as the method and timing of verification and the responsible party that would ensure that each action is implemented.

The mitigation measures applicable to the project include avoiding certain impacts altogether, minimizing impacts by limiting the degree or magnitude of the action and its implementation, and/or reducing or eliminating impacts over time by maintenance operations during the life of the action.

Public Resources Code Section 21081.6 requires the Lead Agency, for each project that is subject to CEQA, to monitor performance of the mitigation measures included in any environmental document to ensure that implementation does, in fact, take place. The San Diego Unified School District is the designated lead agency for the Mitigation Monitoring and Reporting Program. The San Diego Unified School District is responsible for review of all monitoring reports, enforcement actions, and document disposition. The San Diego Unified School District would rely on information provided by the monitor as accurate and up to date and would field check mitigation measure status as required.

A record of the MMRP would be maintained at San Diego Unified School District, 4860 Ruffner Street, San Diego, CA 92111 (Physical Plant Operations Annex). All mitigation measures contained in the EIR shall be made conditions of the project as may be further described below.

**Attachment A**  
**San Diego Unified School District**  
**Crawford High School and Mann Middle School Athletic Facilities Upgrade and Modernization Project Final EIR**  
**Mitigation Monitoring and Reporting Program**  
**Crawford High School**

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<b>Section 3.2 Aesthetics</b>				
<p><b><u>Mitigation Measure Aes- MM-1:</u></b></p> <p>The District shall provide and install, upon request of the homeowner, light blocking blinds (or shades) in the bedrooms of the 11 homes identified in the EIR that 1) have bedroom windows with a direct or indirect line of sight to the football field and/or associated lighting elements and 2) that are calculated by the lighting analysis to be impacted by the Project-related lighting levels by more than 0.79 footcandles. The light blocking blinds or shades shall be certified by the manufacturer to block at least 90% of incoming light. District shall notify the homeowners of the availability of the blinds or shades prior to installation of the stadium field lighting and shall install the blinds (or shades) prior to operating the field lighting.</p>	<p>Prior to operation of the lights</p>	<p>Documentation sent written offers, documentation of reimbursement for accepted offers</p>	<p>San Diego Unified School District</p>	<p>San Diego Unified School District</p>
<b>Section 3.2 Biological Resources</b>				
<p><b><u>Mitigation Measure Bio- MM-1:</u></b></p> <p>If impacts on vegetation are proposed to occur during the breeding season (February 1 through August 15), a preconstruction survey must be conducted to determine if any protected birds are nesting within or immediately adjacent (out to 50 feet) to any vegetation within the impact areas. The survey shall include all vegetation and ground area within an approximately 50-foot area surrounding the proposed construction footprint, including adjacent vegetation that may be situated outside of the site boundary.</p> <p>The preconstruction nesting bird survey shall be conducted by a qualified biologist to identify nests or nesting activity no more than 7 days prior to commencing project activities. An additional inspection shall be conducted immediately prior to grading, demolition, and/or vegetation clearing. If an active nest of a native bird species is found, a 50-foot no-work buffer zone shall be placed around the nest until the adults are no longer using it or the young have fledged. Given the existing conditions on the site and in the adjacent areas, it is anticipated that the 50-foot buffer will suffice because the project area is considered urban and surrounded by development.</p>	<p>Within seven days of construction activities between February 1 and August 15</p>	<p>Preconstruction survey by biologist and compliance with project construction specifications</p>	<p>Monitoring Biologist and San Diego Unified School District and Construction Contractor</p>	<p>San Diego Unified School District</p>

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<p>The final buffer width may, however, vary depending on the nesting species and shall be determined by a qualified biologist at the time of discovery. The extent of the buffer will also vary based on site conditions and type of work to be conducted, but will not likely include the need for sound walls that are more typically associated with federally listed species, which have no potential to occur in the study area.</p> <p>Should construction continue into the following year’s nesting season, additional preconstruction surveys would be necessary.</p>				
<b>Section 3.3 Cultural Resources</b>				
<p><b><u>Mitigation Measure CR-MM-1:</u></b></p> <p>A Qualified Paleontologist shall prepare a Paleontological Assessment Report that includes record searches and reviews of the existing literature for the project area in order to determine the likelihood of fossils being impacted. If the report identifies impacts on highly sensitive paleontological deposits that cannot be avoided, the following additional measures shall be implemented to recover remains before they are lost or destroyed.</p> <ul style="list-style-type: none"> <li>• If highly sensitive fossil-bearing deposits are likely to be impacted and the proposed construction methodology would allow for the recovery of fossils, then the following measures would be incorporated into the project Mitigation and Monitoring Reporting Program (MMRP). <ul style="list-style-type: none"> <li>○ If mitigation is necessary, then a Qualified Paleontologist shall attend preconstruction meetings to consult with the grading and excavation contractors concerning excavation schedules, paleontological field techniques, and safety issues. A Qualified Paleontologist is defined as an individual with an M.S. or Ph.D. in paleontology or geology who is familiar with paleontological procedures and techniques, who is knowledgeable in the geology and paleontology of San Diego County, and who has worked as a paleontological mitigation project supervisor in the County for at least 1 year.</li> <li>○ A Paleontological Monitor shall be on site on a full-time basis during the original cutting of previously undisturbed deposits of high sensitivity formations to inspect exposures for contained fossils. The Paleontological Monitor shall work under the direction of the Qualified Paleontologist. A Paleontological Monitor is defined as an individual who has experience in the collection and salvage of fossil materials.</li> <li>○ If discovered, the Qualified Paleontologist (or Paleontological Monitor) shall recover fossils. In most cases, this fossil salvage can be completed in</li> </ul> </li> </ul>	<p>Prior to and during construction</p>	<p>Report submittal and on-site construction monitoring by paleontologist</p>	<p>San Diego Unified School District with paleontology contractor and Construction Contractor</p>	<p>San Diego Unified School District</p>

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<p>a short period of time; however, some fossil specimens, such as a complete large mammal skeleton, may require an extended salvage period. In these instances the Qualified Paleontologist (or Paleontological Monitor) would be allowed to temporarily direct, divert, or halt grading to allow recovery of fossil remains in a timely manner. Because of the potential for recovering small fossil remains, such as isolated mammal teeth, it may be necessary to set up a screen-washing operation on site.</p> <ul style="list-style-type: none"> <li>• Fossil remains collected during the monitoring and salvage portion of the mitigation program shall be cleaned, repaired, sorted, and catalogued.</li> <li>• Prepared fossils, along with copies of all pertinent field notes, photos, and maps, shall be deposited (as a donation) in a scientific institution with permanent paleontological collections, such as the San Diego Natural History Museum. Donation of the fossils shall be accompanied by financial support for initial specimen storage.</li> <li>• A final data recovery report shall be completed that outlines the results of the mitigation program. This report shall include discussions of the methods used, stratigraphic section(s) exposed, fossils collected, and significance of recovered fossils.</li> </ul>				
<p><b>Mitigation Measure CR-MM-2:</b></p> <p>The discovery of human remains demands that certain laws and protocols be followed before proceeding with any action that might disturb the remains further. If human remains are discovered, then PRC Section 5097.98 and State and Heath Code Section 7050.5 shall be followed as specified below:</p> <ul style="list-style-type: none"> <li>• The Archaeological Principal Investigator (P.I.) shall first notify the project’s Resident Engineer (R.E.), who shall then notify the appropriate District staff.</li> <li>• The Lead Archaeologist shall then notify the Medical Examiner (M.E.), after consultation with the R.E., either in person or via telephone.</li> <li>• Work shall be immediately diverted away from the discovery.</li> <li>• The P.I. and M.E. shall decide if a field examination is necessary.</li> <li>• If the remains are determined to be Native American, the M.E. shall contact the California NAHC. By law, only the M.E. can make this call.</li> <li>• The NAHC shall contact the P.I. within 24 hours after notification by the M.E. The NAHC shall also notify the person or persons determined to be the MLDs.</li> <li>• The P.I. and MLD shall consult and coordinate on the proper and respectful treatment of the remains. In most instances, the disposition of the human remains shall be determined by the MLD and P.I.</li> </ul>	<p>During construction</p>	<p>To be determined by cultural resources contractor and Most Likely Descendent</p>	<p>Construction Contractor with Archaeological consultant</p>	<p>San Diego Unified School District</p>

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<ul style="list-style-type: none"> <li>If the human remains are not Native American, then the P.I. shall contact the M.E. and discuss the historical context of the find, whereupon the M.E. shall decide the appropriate course of action in accordance with PRC Section 5097.98.</li> </ul>				
<p><b>Section 3.4 Hazards and Hazardous Materials</b></p>				
<p><b><u>Mitigation Measure Haz-MM-1:</u></b>                      Prior to the issuance of construction permits at Crawford High School, a Master Soil Management Plan (SMP) shall be prepared to establish protocol for encountering hazardous materials during construction, including two USTs and/or undocumented fill. Generally, the procedures that could be implemented to minimize hazards during construction include the following:</p> <ul style="list-style-type: none"> <li>Periodic site inspections.</li> <li>Notification for disturbance of subsurface materials.</li> <li>Segregation of excavated materials that are contaminated, potentially contaminated, or clean soil/materials per Environmental Professional guidance.</li> <li>Determination of soils suitable for possible on- or offsite reuse.</li> <li>Stockpile management (includes implementation of BMPs and odor/vapor control measures).</li> <li>Waste characterization (involves stockpile sampling).</li> <li>Management of contaminated soil or waste transport and disposal.</li> <li>Documentation of contaminated soils or wastes if encountered.</li> </ul>	Prior to and during construction	Submittal of SMP and compliance with project construction specifications	San Diego Unified School District and Construction Contractor to implement plan	San Diego Unified School District
<p><b><u>Mitigation Measure Haz-MM-2:</u></b>                      Prior to the issuance of construction permits for modernization improvements, a Site-Specific Health and Safety Plan (HASP) shall be prepared in accordance with the requirements of the Master Community Health and Safety Plan (CHSP) to minimize community exposure to hazards (both on- and off site) and to foster community awareness of potentially hazardous materials. The HASP shall be prepared in accordance with federal and state Occupational Safety and Health (OSHA) Hazardous Wastes Operations and Emergency Response (HAZWOPER) Standards; Code of Federal Regulations, Title 29, Section 1910.120; and California Code of Regulations, Title 8, Section 5192.                      The CHSP and site-specific health and safety plan will be applied during any project construction activities that involve disturbance of lead-based paint. Generally, the procedures that could be implemented to minimize hazards during construction include the following:</p> <ul style="list-style-type: none"> <li>Evaluation of potential public exposure to hazards.</li> <li>Action planning to reduce airborne concentrations if found.</li> </ul>	Prior to and during construction	Submittal of HASP and compliance with project construction specifications	Construction Contractor with San Diego Unified School District	San Diego Unified School District

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<ul style="list-style-type: none"> <li>• Documentation of daily instrument readings.</li> <li>• Implementation of administrative and engineering control methods (e.g., reduce public access; prevent or minimize fugitive vapors, odors, and dust; and reduce noise and other physical hazards).</li> <li>• Implementation of site security.</li> <li>• Daily backfilling (when feasible) or fencing off of open excavations.</li> <li>• Use of metal, water-tight roll-off bins, and multiple liners for temporary storage or stockpiled materials.</li> <li>• Onsite vehicle traffic backing.</li> <li>• Implementation of BMPs pertaining to hazardous materials.</li> <li>• Emergency planning in case of accidental or unauthorized release.</li> <li>• Providing public notice and Proposition 65 Warning required under Section 25249.6 of the State of California Health and Safety Code.</li> </ul>				
<b>Section 3.5 Noise</b>				
<p><b>Mitigation Measure NS-MM-1:</b> Implement construction site noise control measures. The District shall require all contractors to adhere to the following noise abatement measures.</p> <ul style="list-style-type: none"> <li>• An onsite construction supervisor shall have the responsibility and authority to receive and resolve noise complaints. A clear appeal process to the District shall be established prior to construction commencement that shall allow for resolution of noise problems through coordination directly between the District and the City that cannot be immediately solved by the site supervisor. The District shall be responsible for ensuring implementation.</li> <li>• Contractor shall comply with manufacturers’ muffler requirements on all construction equipment engines.</li> <li>• Contractor shall turn off construction equipment when not in use, where applicable.</li> <li>• Contractor shall locate stationary equipment as far as practical from receiving properties.</li> <li>• Contractor shall use temporary sound barriers or sound curtains<sup>1</sup> around loud stationary equipment when the construction activity would generate noise in excess of 75 dBA over any 1-hour period at impacted residences and classrooms if the other noise reduction methods are not effective or when appropriate to resolve a noise complaint.</li> <li>• Contractor shall provide advance written notification of construction activities to</li> </ul>	During construction	Compliance with project construction specifications	Construction Contractor with San Diego Unified School District	San Diego Unified School District

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<p>residences around the construction site. Notification will include a brief overview of the proposed construction activity and its purpose and schedule. It also will include the name and contact information of the project manager or representative responsible for resolving any noise concerns.</p>				
<p><b>Mitigation Measure NS-MM-2:</b>                      Implement noise-reduction design features as part of the Athletic Stadium design.</p> <p>The District shall ensure that noise-reduction design features are implemented to the extent feasible to reduce the potential noise impacts during football games and other events. The District shall retain a qualified acoustical consultant to review the design of the proposed PA system and any sound attenuation measures to be implemented to reduce noise impacts to nearby residences. Measures that can be used to reduce noise include, but are not limited to, the following.</p> <ul style="list-style-type: none"> <li>• Design the PA system to provide adequate speech intelligibility to the seating areas while maintaining minimal sound transmission to adjacent residential areas. This can be accomplished by using a distributed speaker system that utilizes a large number of small speakers distributed throughout the seating area as opposed to several large speakers mounted high on poles. The speakers should be highly directional to focus sound energy on the seating area.</li> <li>• Add shielding materials along the back of the bleachers to block the line of sight between the crowd and adjacent residences.</li> </ul>	<p>During operation</p>	<p>Verification of noise attenuation techniques</p>	<p>San Diego Unified School District</p>	<p>San Diego Unified School District</p>

Source: ICF International 2014.

**Attachment B**  
**San Diego Unified School District**  
**Crawford High School and Mann Middle School Athletic Facilities Upgrade and Modernization Project Final EIR**  
**Mitigation Monitoring and Reporting Program**  
**Mann Middle School**

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<b>Section 3.2 Biological Resources</b>				
<p><b><u>Mitigation Measure Bio- MM-1:</u></b></p> <p>If impacts on vegetation are proposed to occur during the breeding season (February 1 through August 15), a preconstruction survey must be conducted to determine if any protected birds are nesting within or immediately adjacent (out to 50 feet) to any vegetation within the impact areas. The survey shall include all vegetation and ground area within an approximately 50-foot area surrounding the proposed construction footprint, including adjacent vegetation that may be situated outside of the site boundary.</p> <p>The preconstruction nesting bird survey shall be conducted by a qualified biologist to identify nests or nesting activity no more than 7 days prior to commencing project activities. An additional inspection shall be conducted immediately prior to grading, demolition, and/or vegetation clearing. If an active nest of a native bird species is found, a 50-foot no-work buffer zone shall be placed around the nest until the adults are no longer using it or the young have fledged. Given the existing conditions on the site and in the adjacent areas, it is anticipated that the 50-foot buffer will suffice because the project area is considered urban and surrounded by development.</p> <p>The final buffer width may, however, vary depending on the nesting species and shall be determined by a qualified biologist at the time of discovery. The extent of the buffer will also vary based on site conditions and type of work to be conducted, but will not likely include the need for sound walls that are more typically associated with federally listed species, which have no potential to occur in the study area.</p> <p>Should construction continue into the following year’s nesting season, additional preconstruction surveys would be necessary.</p>	<p>Within seven days of construction activities between February 1 and August 15</p>	<p>Preconstruction survey by biologist and compliance with project construction specifications</p>	<p>Monitoring Biologist and San Diego Unified School District and Construction Contractor</p>	<p>San Diego Unified School District</p>
<b>Section 3.3 Cultural Resources</b>				
<p><b><u>Mitigation Measure CR-MM-1:</u></b></p>	<p>Prior to and</p>	<p>Report submittal</p>	<p>San Diego</p>	<p>San Diego Unified</p>

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<p>A Qualified Paleontologist shall prepare a Paleontological Assessment Report that includes record searches and reviews of the existing literature for the project area in order to determine the likelihood of fossils being impacted. If the report identifies impacts on highly sensitive paleontological deposits that cannot be avoided, the following additional measures shall be implemented to recover remains before they are lost or destroyed.</p> <ul style="list-style-type: none"> <li>• If highly sensitive fossil-bearing deposits are likely to be impacted and the proposed construction methodology would allow for the recovery of fossils, then the following measures would be incorporated into the project Mitigation and Monitoring Reporting Program (MMRP). <ul style="list-style-type: none"> <li>○ If mitigation is necessary, then a Qualified Paleontologist shall attend preconstruction meetings to consult with the grading and excavation contractors concerning excavation schedules, paleontological field techniques, and safety issues. A Qualified Paleontologist is defined as an individual with an M.S. or Ph.D. in paleontology or geology who is familiar with paleontological procedures and techniques, who is knowledgeable in the geology and paleontology of San Diego County, and who has worked as a paleontological mitigation project supervisor in the County for at least 1 year.</li> <li>○ A Paleontological Monitor shall be on site on a full-time basis during the original cutting of previously undisturbed deposits of high sensitivity formations to inspect exposures for contained fossils. The Paleontological Monitor shall work under the direction of the Qualified Paleontologist. A Paleontological Monitor is defined as an individual who has experience in the collection and salvage of fossil materials.</li> <li>○ If discovered, the Qualified Paleontologist (or Paleontological Monitor) shall recover fossils. In most cases, this fossil salvage can be completed in a short period of time; however, some fossil specimens, such as a complete large mammal skeleton, may require an extended salvage period. In these instances the Qualified Paleontologist (or Paleontological Monitor) would be allowed to temporarily direct, divert, or halt grading to allow recovery of fossil remains in a timely manner. Because of the potential for recovering small fossil remains, such as isolated mammal teeth, it may be necessary to set up a screen-washing operation on site.</li> </ul> </li> <li>• Fossil remains collected during the monitoring and salvage portion of the mitigation program shall be cleaned, repaired, sorted, and catalogued.</li> <li>• Prepared fossils, along with copies of all pertinent field notes, photos, and maps, shall be deposited (as a donation) in a scientific institution with permanent</li> </ul>	<p>during construction</p>	<p>and on-site construction monitoring by paleontologist</p>	<p>Unified School District with paleontology contractor and Construction Contractor</p>	<p>School District</p>

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<p>paleontological collections, such as the San Diego Natural History Museum. Donation of the fossils shall be accompanied by financial support for initial specimen storage.</p> <ul style="list-style-type: none"> <li>A final data recovery report shall be completed that outlines the results of the mitigation program. This report shall include discussions of the methods used, stratigraphic section(s) exposed, fossils collected, and significance of recovered fossils.</li> </ul>				
<p><b>Mitigation Measure CR-MM-2:</b> The discovery of human remains demands that certain laws and protocols be followed before proceeding with any action that might disturb the remains further. If human remains are discovered, then PRC Section 5097.98 and State and Health Code Section 7050.5 shall be followed as specified below:</p> <ul style="list-style-type: none"> <li>The Archaeological Principal Investigator (P.I.) shall first notify the project’s Resident Engineer (R.E.), who shall then notify the appropriate District staff.</li> <li>The Lead Archaeologist shall then notify the Medical Examiner (M.E.), after consultation with the R.E., either in person or via telephone.</li> <li>Work shall be immediately diverted away from the discovery.</li> <li>The P.I. and M.E. shall decide if a field examination is necessary.</li> <li>If the remains are determined to be Native American, the M.E. shall contact the California NAHC. By law, only the M.E. can make this call.</li> <li>The NAHC shall contact the P.I. within 24 hours after notification by the M.E. The NAHC shall also notify the person or persons determined to be the MLDs.</li> <li>The P.I. and MLD shall consult and coordinate on the proper and respectful treatment of the remains. In most instances, the disposition of the human remains shall be determined by the MLD and P.I.</li> <li>If the human remains are not Native American, then the P.I. shall contact the M.E. and discuss the historical context of the find, whereupon the M.E. shall decide the appropriate course of action in accordance with PRC Section 5097.98.</li> </ul>	During construction	To be determined by cultural resources contractor and Most Likely Descendent	San Diego Unified School District with Archaeological consultant	San Diego Unified School District
<b>Section 3.4 Hazards and Hazardous Materials</b>				
<p><b>Mitigation Measure Haz-MM-1:</b> Prior to the issuance of construction permits at Crawford High School, a Master Soil Management Plan (SMP) shall be prepared to establish protocol for encountering hazardous materials during construction, including two USTs and/or undocumented fill. Generally, the procedures that could be implemented to minimize hazards during construction include the following:</p>	Prior to and during construction	Submittal of SMP and compliance with project construction specifications	San Diego Unified School District and Construction Contractor to implement plan	San Diego Unified School District

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<ul style="list-style-type: none"> <li>• Periodic site inspections.</li> <li>• Notification for disturbance of subsurface materials.</li> <li>• Segregation of excavated materials that are contaminated, potentially contaminated, or clean soil/materials per Environmental Professional guidance.</li> <li>• Determination of soils suitable for possible on- or offsite reuse.</li> <li>• Stockpile management (includes implementation of BMPs and odor/vapor control measures).</li> <li>• Waste characterization (involves stockpile sampling).</li> <li>• Management of contaminated soil or waste transport and disposal.</li> <li>• Documentation of contaminated soils or wastes if encountered.</li> </ul>				
<p><b><u>Mitigation Measure Haz-MM-2:</u></b></p> <p>Prior to the issuance of construction permits for modernization improvements, a Site-Specific Health and Safety Plan (HASP) shall be prepared in accordance with the requirements of the Master Community Health and Safety Plan (CHSP) to minimize community exposure to hazards (both on- and off site) and to foster community awareness of potentially hazardous materials. The HASP shall be prepared in accordance with federal and state Occupational Safety and Health (OSHA) Hazardous Wastes Operations and Emergency Response (HAZWOPER) Standards; Code of Federal Regulations, Title 29, Section 1910.120; and California Code of Regulations, Title 8, Section 5192.</p> <p>The CHSP and site-specific health and safety plan will be applied during any project construction activities that involve disturbance of lead-based paint. Generally, the procedures that could be implemented to minimize hazards during construction include the following:</p> <ul style="list-style-type: none"> <li>• Evaluation of potential public exposure to hazards.</li> <li>• Action planning to reduce airborne concentrations if found.</li> <li>• Documentation of daily instrument readings.</li> <li>• Implementation of administrative and engineering control methods (e.g., reduce public access; prevent or minimize fugitive vapors, odors, and dust; and reduce noise and other physical hazards).</li> <li>• Implementation of site security.</li> <li>• Daily backfilling (when feasible) or fencing off of open excavations.</li> <li>• Use of metal, water-tight roll-off bins, and multiple liners for temporary storage or stockpiled materials.</li> <li>• Onsite vehicle traffic backing.</li> </ul>	<p>Prior to and during construction</p>	<p>Submittal of HASP and compliance with project construction specifications</p>	<p>Construction Contractor with San Diego Unified School District</p>	<p>San Diego Unified School District</p>

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<ul style="list-style-type: none"> <li>Implementation of BMPs pertaining to hazardous materials.</li> <li>Emergency planning in case of accidental or unauthorized release.</li> <li>Providing public notice and Proposition 65 Warning required under Section 25249.6 of the State of California Health and Safety Code.</li> </ul>				
<b>Section 3.5 Noise</b>				
<p><b><u>Mitigation Measure NS-MM-1:</u></b> Implement construction site noise control measures. The District shall require all contractors to adhere to the following noise abatement measures.</p> <ul style="list-style-type: none"> <li>An onsite construction supervisor shall have the responsibility and authority to receive and resolve noise complaints. A clear appeal process to the District shall be established prior to construction commencement that shall allow for resolution of noise problems through coordination directly between the District and the City that cannot be immediately solved by the site supervisor. The District shall be responsible for ensuring implementation.</li> <li>Contractor shall comply with manufacturers’ muffler requirements on all construction equipment engines.</li> <li>Contractor shall turn off construction equipment when not in use, where applicable.</li> <li>Contractor shall locate stationary equipment as far as practical from receiving properties.</li> <li>Contractor shall use temporary sound barriers or sound curtains<sup>1</sup> around loud stationary equipment when the construction activity would generate noise in excess of 75 dBA over any 1-hour period at impacted residences and classrooms if the other noise reduction methods are not effective or when appropriate to resolve a noise complaint.</li> <li>Contractor shall provide advance written notification of construction activities to residences around the construction site. Notification will include a brief overview of the proposed construction activity and its purpose and schedule. It also will include the name and contact information of the project manager or representative responsible for resolving any noise concerns.</li> </ul>	During construction	Compliance with project construction specifications	Construction Contractor with San Diego Unified School District	San Diego Unified School District
<p><b><u>Mitigation Measure NS-MM-3:</u></b> Conduct site-specific building acoustical analysis and implement noise control treatments where required.</p> <ul style="list-style-type: none"> <li>The District shall retain a qualified acoustical consultant to review final site plans, building elevations, and floor plans prior to construction to calculate expected interior noise levels as required by state noise regulations. Project-specific acoustical</li> </ul>	Prior to construction	Verification of noise attenuation	San Diego Unified School District	San Diego Unified School District

Mitigation Measure	Implementation Time Frame	Monitoring Method	Implementation Responsibility	Verification Responsibility
<p>analyses are required by the California Building Code to confirm that the design results in interior noise levels reduced to 45 dBA CNEL or lower. The specific determination of what noise insulation treatments are necessary shall be completed on a unit-by-unit basis. Results of the analysis, including the description of the necessary noise control treatments, shall be submitted to the District along with the building plans, and shall be approved prior to issuance of a building permit.</p> <ul style="list-style-type: none"> <li>Special building techniques (e.g., sound-rated windows and building façade treatments) shall be implemented as recommended by the qualified acoustical consultant to maintain interior noise levels at or below acceptable levels. These treatments may include, but are not limited to, sound-rated windows and doors, sound-rated wall constructions, acoustical caulking, and protected ventilation openings. Preliminary calculations indicate that classrooms nearest to and facing 54th Street with direct line of sight to the roadway would require sound-rated windows and doors to assure that the interior average noise level guidelines are met.</li> </ul>				

Source: ICF International 2015.