APPENDIX A

Notice of Preparation (NOP) and Comment Letters

Notice of Preparation
Draft Environmental Impact Report

Isbell Middle School Modernization Project

January 13, 2022

From: Kevin Olson
Assistant Superintendent, Business Services
Santa Paula Unified School District
201 S. Steckel
Santa Paula, CA 93060

The Santa Paula Unified School District (District) will be the Lead Agency and will prepare an Environmental Impact Report (EIR) for the Isbell Middle School Modernization Project (Project). SPUSD has conducted a preliminary review of this proposed Project consistent with Section 15060, Preliminary Review, in the California Environmental Quality Act (CEQA) Guidelines and determined preparation of an EIR is required for the Project. The Project description and location, as well as the potential environmental effects proposed for study in the Draft EIR, are contained in the attached materials.

SPUSD needs to know the views of your agency as to the scope and content of the environmental information relevant to your agency's responsibilities in connection with the proposed Project. Your agency may need to use the EIR prepared by the District when considering any permits or other approvals for this Project. Comments are also invited from all other interested parties.

Due to the time limits mandated by State law, your response must be sent at the earliest possible date but not later than 30 days after receipt of this notice.

Please send your response to Kevin Olson, Assistant Superintendent, Business Services, at the address shown above. Please include the name, address, and other contact information for a representative of your agency who should receive future notices and correspondence related to this Project.

Thank you for participating in the environmental review of this proposed Project.

Date: 1/13/23 Signature: Kevin Olson

Name: Kevin Olson
Title: Assistant Superintendent of Business Services
Telephone: (805) 933-8819

Isbell Middle School Modernization Project

The Santa Paula Unified School District (SPUSD) is proposing to modernize Isbell Middle School, located at 221 S. 4th St, Santa Paula, CA 93060. Isbell Middle School is located on a 14-acre campus bordered by S. 4th Street on the west, Harvard Boulevard on the south and bordered by existing residential and commercial uses and S. 7th Street on the east and existing residential and commercial uses and Main Street on the north. Figures 1 and 2 show the regional and local location of Isbell Middle School.

Figure 3 shows provides an aerial photograph of the existing Isbell Middle School campus and Figure 4 provides a map of the existing facilities of the campus. The main building on the Isbell Middle School campus is a two-story building built in 1926 listed on the Ventura County list of Historic Landmarks (#143) and Santa Paula list of Historical Landmarks (#14) in 1992. The Manual Arts building was added to the campus in 1929 and in 1954 the Multipurpose (Cafetorium) building was constructed. The remainder of buildings on the campus include modern portable buildings behind the main school building and near Ventura Street, the recently modernized science lab building and the recently constructed gymnasium building.

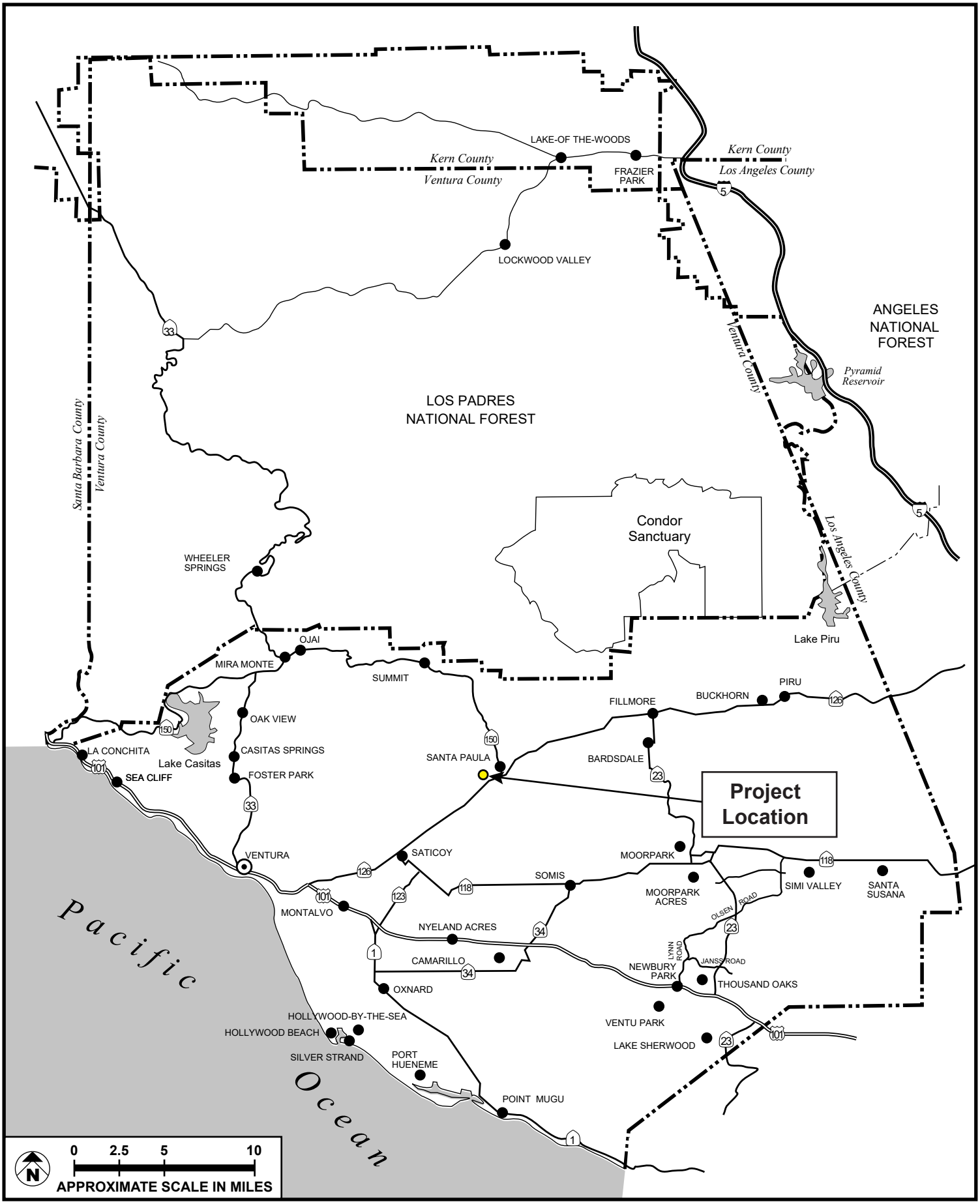
Isbell Middle School currently serves Grades 6-8 and accommodates approximately 1,100 students. In response to enrollment projections and to meet current educational program objectives, SPUSD will be moving 6th grade students to elementary school campuses. Isbell Middle School will be housing 600-700 7th and 8th grade students. The facilities needed to accommodate the Middle School educational program include the following:

- Administration building containing a library/literacy center, staff lounge, and space for support staff, including counselors and nurses.
- 16-20 Classrooms
- Student courtyard
- 30-40 additional parking spaces
- Two drop-off lanes

After considering options for facilities on the Isbell Middle School campus to accommodate the Middle School educational program, including renovation of the existing facilities, SPUSD is proposing to develop new facilities on the campus consisting of three or four single story buildings, with outward facing doors and exterior hallways, arranged around a Student Courtyard area designed to promote student safety and provide a central location for student activities. Development of the new facilities would require demolition of the main school building, Manual Arts building and other existing structures on the campus.

Based on the existing characteristics of the campus, the surrounding area and the proposed Project, SPUSD has determined the Project could result in potentially significant impacts and preparation of an EIR is required to evaluate potential impacts related to the following topics: Aesthetics, Air Quality, Cultural (Historic) Resources, Greenhouse Gas Emissions, Hazards and Hazardous Materials, and Noise.

The EIR will also include analysis of a range of reasonable alternatives to the Project which could feasibly attain most of the basic objectives of the project, including the No Project Alternative, Retention and Renovation of the existing buildings, and other design alternatives.



SOURCE: Meridian Consultants, LLC - 2022

FIGURE **1**

Meridian Consultants

Regional Location Map

324-001-21

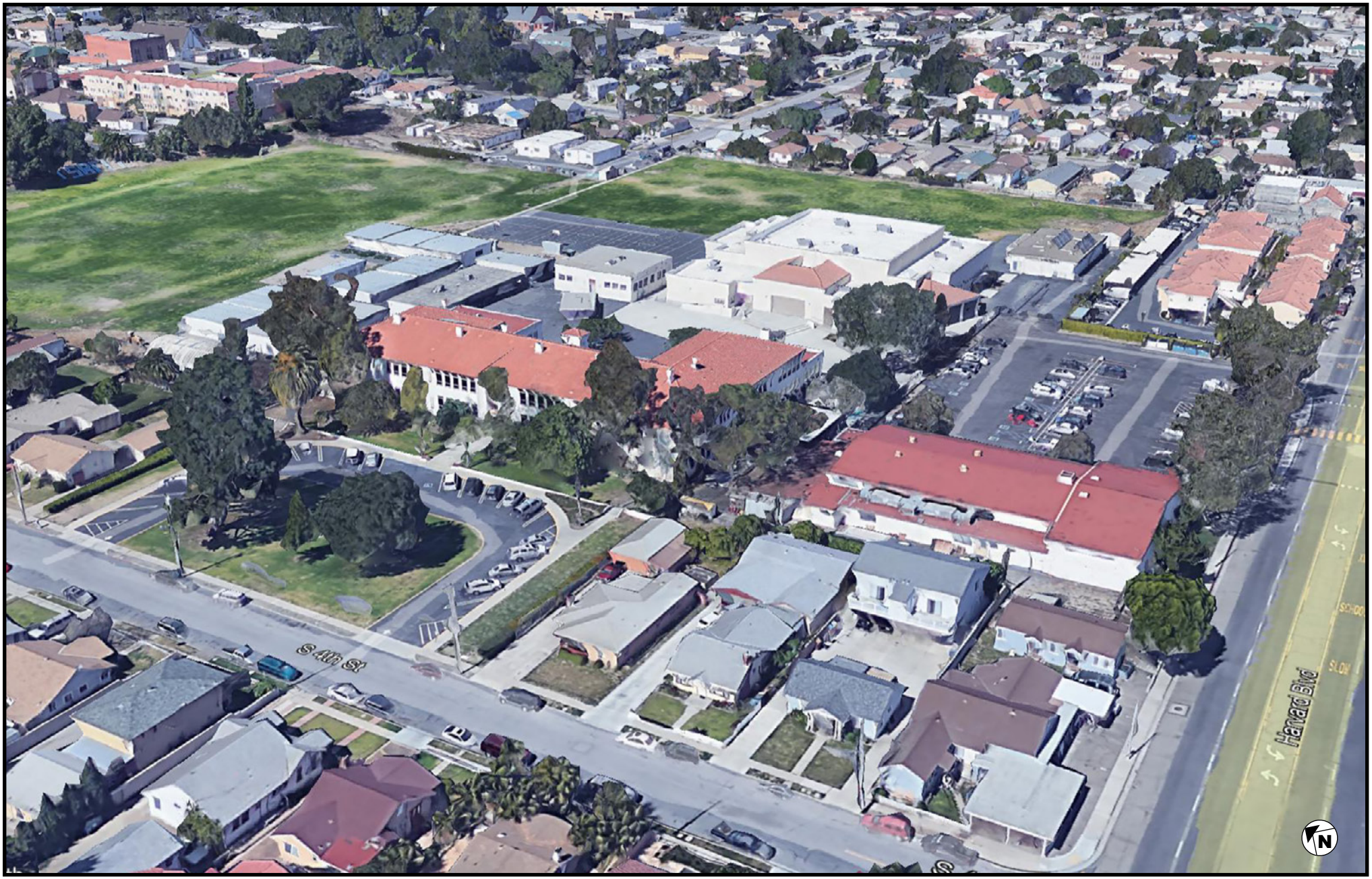
SOURCE: Google Earth - 2022

FIGURE **2**

Meridian Consultants

Local Vicinity Map

087-001-15



SOURCE: Google Earth - 2022

FIGURE **3**

Meridian Consultants

Isbell Middle School – Aerial Photograph

087-001-15

SOURCE: Meridian Consultants, LLC - 2022

FIGURE **4**

Meridian Consultants

Existing Campus Plan

324-001-21

NATIVE AMERICAN HERITAGE COMMISSION

January 18, 2023

Kevin Olson
Santa Paula Unified School District
201 S. Steckel Rd.
Santa Paula, CA 93060

Re: 2023010299, Isbell Middle School Modernization Project, Ventura County

Dear Mr. Olson:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

- **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

- **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
- **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
    a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
    b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
    a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
    b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
    c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Cody.Campagne@nahc.ca.gov.

Sincerely,

Cody Campagne

Cody Campagne
Cultural Resources Analyst

cc: State Clearinghouse

Ventura County
Air Pollution
Control District

4567 Telephone Rd
Ventura, California 93003

tel 805/303-4005
fax 805/456-7797
www.vcapcd.org

Ali Reza Ghasemi, PE
Air Pollution Control Officer

VENTURA COUNTY
AIR POLLUTION CONTROL DISTRICT
Memorandum

TO: Kevin Olson, Assistant Superintendent of Business Services

DATE: February 9, 2023

FROM: Nicole Collazo, Air Quality Specialist, VCAPCD Planning Division

SUBJECT: Notice of Preparation of a Draft Environmental Impact Report for the Isbell Middle School Modernization Project (RMA 23-001)

Ventura County Air Pollution Control District (APCD) staff has reviewed the subject Notice of Preparation (NOP) for the draft environmental impact report (DEIR), which will analyze the environmental impacts of a project to modernize an existing middle school within the City of Santa Paula. The project proposed to demolish several buildings, including the main building, and construct the administration building, 16-20 classrooms, courtyard, and additional parking spaces with drop-off lanes. The project is located at 221 S. 4th Street. The Lead Agency is the Santa Paula Unified School District.

APCD has the following comments regarding the project's NOP.

General Comments

1) *Air Quality Section*- The air quality assessment should consider project consistency, as included in the Ventura County Air Quality Assessment Guidelines, with the recently adopted 2022 Air Quality Management Plan (AQMP). The 2022 AQMP is the air plan to attain the 2015 federal 8-hr ozone standard with updated emission factors and population forecasts. The 2016 AQMP was the plan to attain the 2008 federal ozone standard; that standard has been met. More information on the 2022 AQMP can be found here http://www.vcapcd.org/AQMP-2022.htm.

2) The Ventura County Air Quality Assessment Guidelines (AQAG) can also be used to evaluate all potential air quality impacts. The AQAG are also downloadable from our website here: http://www.vcapcd.org/environmental-review.htm. Specifically, the air quality assessment should consider reactive organic compound (ROC) and nitrogen oxide (NOx) emissions from all project-related motor vehicles for all proposed uses, energy emissions such as heating, lighting and electricity, and area emissions such as landscaping equipment and maintenance. The trips per day or VMT should be from a project-specific traffic study. We note that the AQAG has not been updated since 2003 and the recommended list of mitigation measures in the AQAG are also limited and outdated. Current air quality determinations follow the same methodology but using different tools (CalEEMod vs. URBEMIS, updated OEHHA standards health risk assessments). The recommended list of mitigation measures in the AQAG are also limited and outdated. There are

currently other on-site mitigation options, rather than contributing to an off-site TDM Fund Mitigation, such as installing bicycle lockers, EV charging stations, energy standards exceeding Title 24, etc. EV charging station installation costs can also be covered by APCD's Incentive Programs, provided the charging stations are provided for public use and grant awarded.

3) Due to the proximity of many sensitive receptors to the project site (residences, Ebell Park, Clinicas Del Camino Real), it is important to quantify construction emissions, although they are temporary and short-term in nature and not included in the impact determination for attaining the ambient air quality standards for ozone. The AQAG recommends quantifying the emissions for comparison against the operational thresholds and recommending emission reduction measures if the emissions estimated is over the operational threshold. Construction is most likely expected to occur over 6-12 months, which is a significantly lengthy amount of time for diesel particulate matter and ozone precursors to be emitted by nearby sensitive receptors, especially infants in the development stages. Emission reduction measures such as requiring Tier 4 off-road construction equipment can reduce pollutants by up to 85% and is highly recommended if emissions are above local and state thresholds adopted. This mitigation can also be quantified using the CalEEMod air emissions model. Another reduction measure is using 2010 and newer on-road engine vehicles for exporting material that comply with California State Regulation for In-Use On-Road Diesel Vehicles Title 13, CCR §2025 since they emit less diesel emissions. Using low-VOC paints may also reduce ROC emissions once construction estimates are known.

4) The project will involve demolition activities of some of the existing buildings, including the main building which was constructed in 1926. Such demolition activities must be in compliance with APCD's Rule 62.7, *Asbestos- Demolition and Renovation*. The DEIR should include a section under the toxics exposure criteria for air quality to discuss potential exposure of asbestos, a toxic air contaminant, to sensitive receptors nearby. Compliance with APCD Rule 62.7 is outline before in a standard condition of approval that may be added to the project if approved to ensure asbestos abatements are conducted properly.

DEMOLITION ACTIVITIES
Purpose: To ensure that the owner or operator of a facility shall remove all asbestos-containing material from a facility being demolished.

Requirement: Project demolition activities shall be operated in accordance with the Rules and Regulations of the Ventura County Air Pollution Control District, with emphasis on Rule 62.7, *Asbestos – Demolition and Renovation*.

Documentation: The project applicant shall ensure compliance with the following provision:

I. The applicant shall submit an AB3205 Form to APCD for approval. In addition, the contractor shall notify APCD 10 business days prior to the abatement commencement, if applicable, by submitting a Notification of Demolition or Renovation Form. Demolition and/or renovation activities shall be conducted in compliance with APCD Rule 62.7, Asbestos – Demolition and Renovation.

Timing: Prior to issuance of a demolition permit(s) by Building & Safety or the applicable jurisdiction agency.

Reporting and Monitoring: AB3205 form must be submitted to and approved by APCD. Building & Safety has this form in their checklist of required items to submit prior to issuance of a demolition permit. The Notification of Demolition or Renovation Form must be submitted to APCD. Enforcement of notification requirements for both forms and compliance with the APCD Asbestos Rule will be enforced by APCD Asbestos Inspectors and/or on a complaint-driven basis.

Thank you for the opportunity to comment on the project. If you have any questions, you may contact me at nicole@vcapcd.org.

COUNTY of VENTURA
RESOURCE MANAGEMENT AGENCY
DAVE WARD
Planning Director

SUSAN CURTIS
Assistant Planning Director

January 25, 2023

Kevin Olson
201 S. Steckel Rd
Santa Paula, CA 93060

SUBJECT: Isbell Middle School Modernization Project
SCH Number: 2023010299
RMA Ref#23-001

Dear Mr. Olson,

Ventura County Cultural Heritage Board (CHB) Staff are in receipt of the invitation to comment on the above-referenced project. Thank you for the opportunity to review and comment. CHB Staff have researched the subject site, as well as property within the vicinity, and found the following:

- The subject property is Ventura County Landmark #143, designated February 1992. This school is named for Olive Mann Isbell, who opened the first public school in California in 1846. Isbell was a Santa Paula resident at the time of her death.
- The school was built in 1926 and designed by Santa Paula architect, Roy C. Wilson. Roy C. Wilson is a master architect known to the CHB as an individual whose work is distinguishable from others by its characteristic style and quality and is known to have contributed to creating the built environment in Ventura County.

In general, avoidance of damage to or removal of historical resources is preferable to outright demolition. If avoiding demolition is not feasible, adaptive reuse of architecturally or historically significant buildings is recommended.

As you've noted in your Notice of Preparation, demolition of a significant historical resource may not be mitigated to a less than significant level and an environmental impact report will be required. However, mitigation is still warranted, even when commonly used mitigation measures are no longer sufficient to fully offset the impact. These may include the following:

- Still and video photography and a written documentary record/history of the building to the standards of the Historic American Building Survey or Historic American Engineering Record.

- The incorporation of architectural designs and features that reflect the historical and cultural traditions characteristic to the area or community in any proposed development as part of the discretionary project.
- A plaque or marker commemorating the building.

Thank you again for the opportunity to comment on the proposed project. Please contact me via phone at (805) 654-5042 or email at Dillan.Murray@ventura.org if you have any questions about this letter.

Sincerely,

Dillan Murray, Associate Planner
Planning Programs Section
Ventura County Planning Division

COUNTY of VENTURA
RESOURCE MANAGEMENT AGENCY
CHARLES R. GENKEL
Environmental Health Director

February 3, 2023

Santa Paula Unified School District
ATTN: Kevin Olson, Assistant Superintendent, Business Services
201 S. Steckel
Santa Paula, CA 93060

Isbell Middle School Modernization Project, Environmental Document Review – Draft Environmental Impact Report, (RMA REF # 23-001)

Ventura County Environmental Health Division (Division) staff reviewed the information submitted for the subject project.

The Division provides the following comments:

1. The Project consists of the development of new facilities that would require the demolition of the main school building, Manual Arts building, and other existing structures on campus. Ensure the Ventura County Environmental Health Division is contacted prior to any changes to the menu, equipment, or structure involved in food operations including food preparation, food sales, or food service.

If you have any questions, please contact me at (805) 654-2830 or Roxy.Cabral@ventura.org.

Roxy Cabral

Roxy Cabral, R.E.H.S.
Land Use Section
Environmental Health Division

HALL OF ADMINISTRATION #1730
805-654-2813 • FAX 805-654-2480 • 800 South Victoria Avenue, Ventura, CA 93009 • vcrma.org

APPENDIX B

Historic Resources Report

Historic Resources Report
Isbell Middle School EIR Phase II Report
221 S. Fourth Street, Santa Paula, CA

9 October 2024

Prepared for:

Santa Paula Unified School District
500 E. Santa Barbara Street
Santa Paula CA 93060

Prepared by:

SAN BUENAVENTURA RESEARCH ASSOCIATES
HISTORIC · RESOURCES · CONSULTING
1328 WOODLAND DRIVE ■ SANTA PAULA CA 93060

Executive Summary

This report was prepared for the purpose of assisting the Santa Paula Unified School District in their compliance with the California Environmental Quality Act (CEQA) as it relates to historic resources, in connection with proposed alterations to Isbell Middle School campus, a 14.05 acre parcel located at 221 S. Fourth Street in Santa Paula (APN 103-0-220-535). [Figure 1]

Isbell School was listed as Ventura County Landmark No. 143 and City of Santa Paula Historic Landmark No. 14 in February, 1992. Consequently the property is a historic resource for the purposes of CEQA, per CEQA Guidelines § 15064.5 (a)(2).

This report was prepared by San Buenaventura Research Associates of Santa Paula, California, Judy Triem, Historian; and Mitch Stone, Preservation Planner, for the Santa Paula Unified School District, and is based on a prior report on Isbell Middle School completed by SBRA in 2008, as well as field investigation conducted May, 2021 for the purpose of updating the earlier findings. The previous report was prepared for the purpose of evaluating a number of alterations to the school buildings proposed at that time, none of which were implemented.

San Buenaventura Research Associates provides qualified Historian and Architectural Historian services, in accordance with *Secretary of the Interior's Professional Qualifications* (36 CFR 61). The conclusions contained herein represent the professional opinions of San Buenaventura Research Associates, and are based on the factual data available at the time of its preparation, the application of the appropriate local, state and federal regulations, and best professional practices.

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Figure 1. Property Location and Historic Features [Apple Maps]

1. Impact Thresholds and Mitigation

According to the Public Resources Code, "a project that may cause a substantial change in the significance of an historical resource is a project that may have a significant effect on the environment." The Public Resources Code broadly defines a threshold for determining if the impacts of a project on an historic property will be significant and adverse. By definition, a substantial adverse change means, "demolition, destruction, relocation, or alterations," such that the significance of an historical resource would be impaired. For purposes of NRHP eligibility, reductions in a property's integrity (the ability of the property to convey its significance) should be regarded as potentially adverse impacts. (PRC §21084.1, §5020.1(6))

Further, according to the CEQA Guidelines, "an historical resource is materially impaired when a project... [d]emolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources [or] that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant."

The lead agency is responsible for the identification of "potentially feasible measures to mitigate significant adverse changes in the significance of an historical resource." The specified methodology for determining if impacts are mitigated to less than significant levels are the *Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings and the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings* (1995), publications of the National Park Service. (CCR §15064.5(b)(3))

2. Historic Context

The boom of the 1920s brought tremendous growth to Santa Paula, and along with it, the problem of schools becoming too small and outdated to accommodate the increased population. In March 1925 contracts were submitted to construct two new schools in Santa Paula, a grade school near Ojai Road called Canyon School, later renamed Barbara Webster School, and a new large Junior High school on Harvard Boulevard and S. Fourth Street. The Junior High school was proposed to be constructed within the new Lee Ireland and Taussig Subdivision on S. Fourth Street, which had opened in 1922.

Within a year, half of the lots on S. Fourth Street featured new houses. The placement of the new school within this newly-developing area of Santa Paula was no doubt due to the availability of a large parcel of land adjacent to the subdivision to the east. Santa Paula architect Roy C. Wilson produced the school building design, assisted by his father-in-law Edwin Thorne, with associate Peter Ficker of Los Angeles. General contractor Thomas H. Reed of Los Angeles won the construction bid. With the new school in its planning stages in the spring of 1925, a name first considered was Harvard School, after the adjacent thoroughfare. Instead, the school board accepted a proposal submitted by members of the Pioneer Section of the Ebell Club to name it after Olive Mann Isbell.[1]

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[1] *Santa Paula Chronicle:* 3-16-1925, 5-18-1925.

Then known as the "first American schoolteacher in California," Isbell took up teaching at Mission Santa Clara upon her arrival in pre-statehood California in 1846 with her husband Isaac, a physician who served briefly as the Surgeon of the California Battalion in the same year. After their retirement, the couple moved to Santa Paula during the 1870s and became well known in the small town. Olive Isbell died at the age of 74 on March 26, 1899, after a brief illness and was buried in the Santa Paula Cemetery. Attesting to the high regard citizens of Santa Paula held for Olive Isbell, it was said "to be the most largely attended funeral ever held in Ventura County up to that time."

The connection between the school and Olive Mann Isbell remained strong. In 1908 the Current Events Club of Santa Paula placed a large marble slab over the cemetery plot commemorating her. In 1940 the Isbell Junior High School eighth grade graduating class together with "pioneer friends" affixed a metal tablet to the marble declaring that "perpetual care had been provided for the grave."[2]

The main school building was completed in the fall of 1925 and dedicated in February 1926 with much fanfare and distinguished speakers. The Grand President of the Native Sons of the Golden West, Fletcher A. Cutler, stated that the school "will be a monument not for today or tomorrow but the years to come," and that he was surprised to find such a "large and beautiful school in so small a city." He complimented the school board in naming the school for the "first American woman school teacher in California." The Ebell Club presented a plaque to the school in memory of Olive Mann Isbell, and the Native Sons placed a plaque declaring that the "building is dedicated to truth-liberty-tolerance."[3]

At the time the Isbell Junior High School was constructed, it was the largest school building in Santa Paula. Its two-story compact plan was the latest in school design and noted for its administrative efficiency. Following the school's completion, an article published in the *Santa Paula Chronicle* described the many special features of the new building. Eighth grader Phoebe Churchill won a prize for her essay on Isbell.[4]

The school weathered two major disasters over its history. The flood waters of the 1928 St. Francis Dam break apparently reached the first floor windows of the school and filled the basement with mud. After the 1933 Long Beach earthquake and the passage of the Field Act, two-story schools were no longer constructed in California. In 1939 the main school and manual arts building were seismically strengthened and substantially altered to meet Field Act requirements using PWA (Public Works Administration) funds under the New Deal program. Architects Roy C. Wilson and Geoffry N. Lawford designed the alterations.[5]

In between these events, a second flood occurred in 1938, during one of California's most severe storm seasons. As a result, low concrete walls, berms and wooden gates were proposed to be constructed around the school as part of the seismic retrofitting project. Initially the flood wall project proved too costly to construct, but it remained an urgent consideration and funding later found to complete it. Nearly six-hundred

[2] *Santa Paula Daily Chronicle,* 2-28-1967.

[3] *Santa Paula Chronicle:* 2-15-1926, 2-27-1926.

[4] *Santa Paula Chronicle,* 3-9-1926.

[5] *Santa Paula Chronicle,* 12-9-1938.

Isbell students were taught in double sessions at other schools in Santa Paula while the work, which took most of the year to complete, was underway. They returned to their transformed school in December.[6]

The 14 acre campus has grown since with the addition of new buildings. Architects Roy C. Wilson and Robert S. Raymond designed the Manual Arts building, constructed in 1929. Santa Paula architect Robert S. Raymond designed the Multi-purpose (Cafetorium) building in 1954, though not constructed until 1956. Not yet fifty years of age when the school and Manual Arts building were designated as historic landmarks, this building was not included in the landmark nominations. However, it is now over fifty years of age. The remainder of buildings on the campus include modern portable buildings behind the main school building and near Ventura Street as well as the recently constructed gymnasium building, a shower/restroom building constructed in 1969 (converted to a classroom/restroom building in 2018), and a quonset building constructed at an unknown date. [Figure 1]

Period of Significance

The purpose of establishing a period of significance for a historic property is to provide a means for establishing the physical features created during its period of significance and that convey its significance to a viewer. The character defining features of a historic building depend on the type of building, and can include its function, materials, details, method of construction, or architectural style, and other elements that contribute to its sense of time and place. The landmark designations for the school did not establish a period of significance for the property.

In considering this issue today, the period 1924 to 1974 (fifty years ago) covers the construction of the extant buildings on the property and its active use as a school. This period includes the Main School Building, Manual Arts, and Cafetorium, buildings, constructed in 1924, 1929, and 1956 respectively. These buildings are discussed is Section 3 below, and alterations, to the extent they are known, described.

Other buildings on the campus constructed during this period include the Locker and Shower building (1969) located at the southeastern corner of the campus adjacent to the athletic fields, and a small quonset building (undated) to the north of the Main School Building. Alterations to the campus buildings made after 1974 should generally be regarded as non-character defining features that do not contribute to the significance and eligibility of the property. These would include the numerous portable buildings on the campus and the gymnasium building constructed circa 2004.

3. Description of Contributing Buildings

The Ventura County and City of Santa Paula landmark designations for the Olive Mann Isbell School from 1992 do not specify the buildings on the property found to be contributing to its eligibility at that time. In general buildings constructed during the period of significance for the property or altered during this period of significance should be considered as contributors, including some that might have been excluded in 1992 as not then being fifty years of age.

[6] *Santa Paula Chronicle:* 3-22-1939, 4-12-1939, 4-13-1939, 9-23-1939, 12-16-1939.

Historic Photo 1. Isbell Middle School, Fourth Street elevation, circa 1927.

Main School Building

The two story school building was designed in a modified u-plan with a long rectangular front (western) elevation of the building facing onto Fourth Street with short hipped roof wings attached at each end on the west side of the building. The medium hip roof is covered with clay tiles. Decorative carved brackets are located under the overhanging eaves. Long hipped wings are located on the east side of the building forming the u-shape. At the end of the southern wing is a one story section with a flat roof. The northern wing is one story with a flat roof. Approximately eight chimneys punctuate the roofline.

The front of the building is divided into four bays with a band of five symmetrically placed windows on both first and second floors. The two story recessed front entrance is centered with two sets of double wood and glass doors. Above the doors rise multi-paned glass and steel windows that rise to the second floor level below the roofline. Windows are divided into three parts with wood casings and between each band of windows are either single or pairs of narrow windows. Some of these windows have been boarded up. The rear elevation contains a small two-story tower with a hipped tile roof and clock added in 1988. The building is covered with shot-on concrete. [Photos 1-5]

Alterations. When the building was constructed in 1925 it was designed in the Italian Renaissance style with ornate art stone columns, a balcony, art stone block finish, and decorative details at the front and side and rear entries. The red brick was laid in a Flemish bond pattern. Windows were multi-paned double hung wood with a transom in the upper portion that pivoted inward. [Historic Photo 1]

Following the Long Beach earthquake in 1933 and the adoption of the Field Act, schools constructed of brick, especially two story schools, were required to be seismically retrofitted. In 1939 architects Roy C. Wilson and Geoffry H. Lawford designed plans for major alterations to the school building to bring it up to code. All of

Historic Photo 2. Isbell Middle School, Fourth Street elevation, perhaps circa 1960.

the ornamental openings, columns, arches, and art stone (cast stone) were removed. The hipped roof over the main entrance was removed. The brick was either removed and/or covered over with concrete. Concrete chimneys replaced the brick chimneys. In 1989-90 the original multi-paned wood windows were replaced with current tinted three-paned aluminum sash windows within the original window openings. [Historic Photo 2]

Manual Arts (shop) Building (1929)

The one story shop building is square in plan with a flat roof and raised parapet. The front (western elevation) of the building features a single door entrance above a concrete stoop with metal railings. On either side of the centered entry are two small boarded-up windows and a band of three windows on the upper half of the building. Windows are multi-paned steel. Horizontal vents are found below the parapet on all sides of the building. The same bands of multi-paned windows are located on the remaining elevations. The northern and eastern elevations each contain a single entrance. The building is constructed of brick masonry that has been covered with gunite on the exterior. The interior features a wood truss ceiling and wood floors. [Photos 6, 7]

Alterations. The Manual Training (shop) building was designed as a smaller, simplified version of the main school building when it was constructed in 1929. Its major decorative features were wrought iron grills above the entrance and over the adjacent small windows. The front door on the west elevation was a double door each with four panels surrounded by plaster quoins. Several steps with a buttress on each side lead up to the front door. The exterior finish was brick with a concrete belt course running across all elevations above the windows just below the parapet. Changes to the building included the gunite over the exterior brick and the

removal of the wrought iron grills over the entry and small windows as a part of the 1939 seismic retrofit project for the campus.

Multi-Purpose (Cafetorium) Building (1956)

This rectangular plan building features projecting wings on the southern elevation creating a modified t-plan. The building is a combination one and two-story building with a main low gable roof with overhanging eaves. The one story roof sections are flat and hip roofed. The eastern and western elevations feature a band of multi-paned steel windows on the upper portion of the building under the eaves. Two attached flat roofed entrances are found on the eastern elevation. The northern elevation features a flat roofed section with a band of multi-paned steel windows on the first floor. The building is covered with stucco. [Photos 8, 9]

Alterations. A two-story music room addition was made to the southern elevation in 1966, matching the roofline and materials of the original 1956 building. Another small concrete block addition was made to the northwestern corner of the building at an unknown date after 1966.

Landscape Features

The present landscape features on the school grounds include the front lawn, numerous trees, shrubs, playing fields and parking areas. The front of the school is set back from Fourth Street with a lawn area and circular asphalt drive with parking spaces. Several mature and young trees are located in the lawn area and adjacent to the building. They include palm trees, eucalyptus trees, a large mature pine tree and several low shrubs and bulbs. A low concrete wall runs along the front of the school adjacent to the sidewalk. At either end are concrete steps and pipe railing going over the wall. This wall was constructed in 1939 as a response to the flooding in 1928 and 1938. A series of improvements were made at this time including yard grading, concrete flood walls, and steps over the wall.

The courtyard area behind the school building is covered with asphalt and contains a few young trees as well as several mature trees. Grassy playing fields are located north of the main building. The main parking lot is located off Harvard Boulevard east of the Cafetorium.

Alterations. The landscape features on the Isbell campus have changed considerably over time. The original landscape plan from 1925 included a large grassy lawn area in front of the main building with two shrub lined gravel pathways extending from the street to the front of the school and then turning inwards to continue to the main entry. A number of trees were planted in front of the building, including pines and cypress. None of this landscaping remains appears to remain today except perhaps for the trees seen at the corners of the building in early photos. The trees in these locations today may be part of the original landscape plan, though this could not be verified, and seems somewhat unlikely. [Historic Photo 2]

In 1939, after the 1938 flooding, concrete walls and steps over the walls were added to the front of the building. Based on aerial photos, it appears the gravel paths were replaced by the current circular drive and paved off-street parking area circa 1980.

4. Project Impacts

Proposed Project. The proposed Project would renew the campus by replacing the existing Main School Building, Cafetorium (cafeteria), all 18 portable classroom buildings, the Manual Arts (shop) building, the western storage room (Quonset Hut), and restroom building with a new single-story administrative and multi-purpose room (MPR) building, seven single-story classroom buildings, and expanding the southern parking lot, including providing a new location for students to be dropped off and picked up.

Impacts Discussion. CEQA Guidelines Section 15064.5 (b)(2)(B) states that a Project materially impairs the significance of a historic resource when it demolishes or materially alters in an adverse manner the physical characteristics of a resource that account for its inclusion in a local register of historical resources. The removal of all of the contributing buildings on the eligible property would result in a loss of its eligibility as a landmark, which is a significant impact under this standard.

Project Alternatives

Alternative 1. No Project. This alternative assumes no project-related changes to the Isbell campus and buildings.

Impacts Discussion. With respect to historic properties, taking no action cannot be assumed to be impact neutral, as disused buildings tend to deteriorate due to lack of occupation and maintenance. In this case, as the Isbell campus functions as the District's only middle school, and based knowledge of the District's ongoing needs, some impacts from pursuing the No Project alternative can be reasonably foreseen. One potential future outcome may involve some degree of alteration to the historic buildings as required to bring them up to current seismic codes and to meet ADA requirements, and other interior and exterior treatments as may be determined necessary to improve functional conditions on the campus, either for educational or administrative use. The No Project alternative therefore does not assure that no adverse impacts to the historic property will occur. While the impacts of the No Project alternative cannot be fully anticipated, by operation of CEQA adverse impacts are presumed to be less than significant if the adaptive re-use of the buildings conforms substantially to the *Secretary of the Interior's Standards for Rehabilitation*.

Alternative 2. Main Building Modification. This alternative would preserve and modify the Main School Building (main building), including retrofitting the building to meet current seismic safety building standards. Additionally, this alternative would include demolishing the existing Cafetorium (cafeteria), all 18 portable classroom buildings, the Manual Arts (shop) building, the western storage room (Quonset Hut), three basketball courts, and the restroom building to develop two single-story classroom buildings, an admin and health office, a courtyard, four new would basketball courts, and an expanded southern parking lot, including providing a new location for students to be dropped off and picked up. The Manual Arts, Cafetorium, Quonset Hut, and Locker Room/Shower (now, Science/Flex Lab) buildings were not identified as part of the original landmark designation, but should now be considered as contributors to the eligibility of the property.

The concept for Alternative 2 is the preservation the western portion of the Main School Building facing 4th Street and removing portions of the eastern portion of the building containing five existing classrooms. Re-

moving the five classrooms would allow the addition of a multipurpose room and literacy center to the rear of the building. The proposed modifications would allow additional daylight for the upstairs hallway. The western elevation of the building, facing 4th Street, would have only minor upgrades, including new paint, replacing the existing non-original windows with windows matching the original historic design of the building, repairs to the existing roof as needed, and the addition of a new free standing canopy at the sidewalk.

Major modifications would be made to the eastern elevation of the building, facing the interior of the campus. The northern and southern portions of the eastern elevation of the building would remain, with partial demolition of the central portion of the eastern elevation proposed to open up the existing dark central corridor in the second story of the building. The roof would be repaired as needed and the existing portions of the building the remaining would be painted. In the central portion of the eastern elevation, a new metal roof and fascia would be added above glass, with brick to match the original building design and a new free standing lunch shade structure in front of the building.

The southern and northern elevations of the building would have only minor upgrades, including new paint, replacing the non-original windows with windows matching the original historic design of the building, and repairing the existing roof as needed. Portions of the additions to the eastern elevation of the building would be visible beyond the original building façade on the south and north sides of the building.

Impacts Discussion. The alteration of one building and the removal of other buildings, features contributing to the property's significance and accounting for its inclusion in a local register, would result in a significant loss of the landmark's integrity of design. In accordance with CEQA Guidelines Section 15064.5 (b)(2)(B) this constitutes a material alteration in an adverse manner of the physical characteristics of the historic resource. By operation of CEQA this would be regarded as a significant adverse impact on the resource that can potentially be mitigated to a less than significant level.

The concept plan for Alternative 2 preserves the principal western, northern and southern elevations of the Main School Building and restores an important historic feature of these elevations lost in prior alterations, the schoolroom windows. The previously altered non-street facing secondary elevations on the eastern side of the building would be entirely removed and new building space attached. The remaining interior spaces would be reorganized as needed to address current educational and administrative requirements.

The appropriate approach for the treatment of historic buildings is embodied in the ten general principles of *Secretary's of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing of History Buildings,* and supporting materials published by the National Park Service. By operation of CEQA, the adverse impacts a project found to conform to the Standards are less than significant, with the assumption that treatments are evaluated and approved by a qualified Historian or Architectural Historian for conformance to the *Secretary of the Interior's Standards,* and based on an inventory of character defining features and other methodologies and approaches described in the Standards.

Further, adverse impacts to historic buildings may be reduced if they are treated "qualified historical buildings" for purposes of the California State Historical Building Code (SHBC), which can be utilized as a

means of minimizing the need to alter character defining features of the buildings and assist in the objective of conforming the project to the *Secretary of the Interior's Standards*. The Isbell campus should be considered eligible for the SHBC, and it can be assumed that if this approach is taken, adverse impacts will be avoided to the greatest extent feasible.

Summary Discussion of Alternative 2 Conformance to the Secretary of the Interior's Standards. The following is a discussion of Alternative 2 evaluated in terms of its conformance with the *Secretary's of the Interior's Standards for Rehabilitation*. It should be understood that the *Secretary of the Interior's Standards* are descriptive, not proscriptive in nature. They are intended to provide for a range of design solutions to any given rehabilitation, not to enforce a specific or uniform approach to any given design problem involving historic resources. The ten Standards are written purposefully to be interpreted both by architects and decision-makers. Accordingly, multiple design solutions can properly be supported by the application of the *Secretary of the Interior's Standards* and the highly interpretative nature of the Standards provide ample grounds for differences of opinion, between professionals who are familiar with their application, and members of the public. Note also that not every standard necessarily applies to every aspect of a project, nor is it necessary to comply with every standard to achieve conformance.

1. A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces and spatial relationships.

Discussion. A generally accepted principle of historic preservation holds that properties continuing their historic purposes require fewer alterations to historic fabric than would be required to adapt them to a new use. The objective of Alternative 2 is to permit the historic use of this property as a school to continue, avoiding the potential future outcomes of the property's abandonment or the need for it to be adapted for other uses in order to remain viable. Consequently, Alternative 2 substantially complies with this Standard.

2. The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces and spatial relationships that characterize a property will be avoided.

Discussion. Alternative 2 retains the Main School Building and adapts it to current educational requirements by means of an addition to the building's secondary elevations and a substantial reorganization of internal spaces. Other buildings from the historic period will be removed and new buildings constructed on the property. Thus, buildings contributing to the eligibility of the property will be lost as well as well the spatial relationships that describe their historic functional connections. Consequently, Alternative 2 complies with this Standard only partially.

3. Each property will be recognized as a physical record of its time, place and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.

Discussion. The restoration of original design features will be based on the available documentary evidence of their configurations during the historic period. No conjectural features will be added. Consequently, Alternative 2 substantially complies with this Standard.

4. Changes to a property that have acquired historic significance in their own right will be retained and preserved.

Discussion: An appropriate period of significance for the property is 1924 to 1974, based on the year of construction of the Main School Building to fifty years ago. The primary changes to the property during this period subsequent to the construction of the school building but within the period of significance are the addition of the Manual Arts Building (1929) and Cafetorium (1956), and alterations to the Main School Building and Manual Arts Building in 1939 to comply with the Field Act. All of these changes to the property have acquired historic significance of their own. The portions of the Main School Building proposed under Alternative 2 (western, northern and southern elevations) to be preserved and restored will maintain the appearance they attained in 1939. However, the remaining buildings constructed during the period of significance and contributing to the property's eligibility will be removed. Consequently, Alternative 2 complies with this Standard only partially.

5. Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.

Discussion. This standard addresses the treatment of the physical characteristics of a property to be retained in a preservation effort. Alternative 2 involves alterations to the features of the Main School Building that define its historic character and convey its significance as a school. The design proposal for the Main School Building is necessarily conceptual at this stage of review, therefore compliance with this Standard cannot be fully determined at this level of review. However substantial compliance with this Standard can be achieved by requiring that: (1) exterior finishes and details shall be retained and repaired as needed; (2) in areas where reconstruction is required, the historic materials and finishes shall be reproduced to the greatest extent feasible; and (3) where the reproduction of historic materials and finishes is found to be infeasible, the approach shall be to utilize materials and finishes that provide a similar appearance. As it would be feasible to meet these requirements, Alternative 2 substantially complies with this Standard.

6. Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.

Discussion. Because the design proposal for the Main School Building is conceptual at this stage of review, Alternative 2 does not specify the replacement of deteriorated features, though it is reasonable to anticipate that some deteriorated features will be encountered in later stages of design and during construction. Therefore, compliance with this Standard cannot be fully determined at this level of review. However compliance with this Standard can be achieved by requiring that: (1) repaired materials and finishes match the existing building; and (2) the preferred treatment is to repair where feasible, and re-

construct to the original design and materials if repair is infeasible. As it would be feasible to meet these requirements, Alternative 2 substantially complies with this Standard.

7. Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.

Discussion: This standard is not applicable to this project.

8. Archeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.

Discussion: This standard is not applicable to this project.

9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.

Discussion: This Standard addresses two distinct areas of potential adverse impacts to a historic property, the removal of historic materials and features, and the introduction of new construction to a historic property. Both of these impacts would occur with Alternative 2. The removals involve the demolition of buildings contributing to the significance and eligibility of the property, the introduction of new construction, and substantial alterations to the remaining building. The removals inherently do not conform to the Standards as they both destroy historic materials and alter existing spatial relationships between the buildings on the school campus. The proposed alterations to the Main School Building also involve the significant removal of historic fabric involving both exterior and interior features of the building, and adding new construction to the building.

The deliberate tension created by the Standards in calling for additions to historic building to be both compatible with, and differentiated from, the historic architecture can be resolved within a wide range of potential design solutions. The conceptual design for Alternative 2 falls generally within this range, as the new construction is compatible with the scale, size, massing and proportions of the historic building, but is sufficiently differentiated architecturally as to readily be seen as a contemporary addition to the building. Further refinements increasing conformance with this language in the Standards can be achieved by incorporating historic materials and features into the new construction. Consequently, Alternative 2 complies with this Standard only partially.

10. New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

Discussion: New construction detached from the Main School Building could theoretically be removed from the property at a later date, but the new construction attached to the building is unlikely to be feasibly reversible. Consequently, Alternative 2 complies with this Standard only partially.

Summary Conclusion. Alternative 2 partially complies with *Secretary of the Interior's Standards* by substantially complying with Standards 1 and 3 complying partially with Standards 2, 4, 9 and 10. Substantial compliance with Standards 5 and 6 can be feasibly achieved through the adoption of the recommended mitigation measures. Thus this alternative will result in a significant adverse impact to a historic resource, which can be mitigated to a less than significant level.

5. Mitigation Measures and Residual Impacts

A principle of environmental impact mitigation is that some measure or combination of measures may, if incorporated into a project, serve to avoid or substantially reduce significant and adverse impacts to a historic resource to less than significant. In reference to mitigating impacts on historic resources, the CEQA Guidelines state:

> Where maintenance, repair, stabilization, rehabilitation, restoration, preservation, conservation or reconstruction of the historical resource will be conducted in a manner consistent with the *Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings* (1995), Weeks and Grimmer, the project's impact on the historical resource shall generally be considered mitigated below a level of significance and thus is not significant.[7]

These standards, developed by the National Park Service, represent design guidelines for carrying out historic preservation, restoration and rehabilitation projects. The Secretary's Standards and the supporting literature describe historic preservation principles and techniques, and offers recommended means for carrying them out. Adhering to the Standards is the only method described within CEQA for presumptively reducing project impacts on historic resources to less than significant and adverse levels.

The demolition of an historic property cannot be seen as conforming with the *Secretary of the Interior's Standards*. Therefore, the absolute loss of an historic property should generally be regarded as an adverse environmental impact that cannot be mitigated to a less than significant and adverse level. Further, the usefulness of documentation of an historic resource, through photographs and measured drawings, as mitigation for its demolition, is limited by the CEQA Guidelines, which state:

> In some circumstances, documentation of an historical resource, by way of historic narrative, photographs or architectural drawings, as mitigation for the effects of demolition of the resource will not mitigate the effects to a point where clearly no significant effect on the environment would occur.[8]

Implied by this language is the existence of circumstances whereby documentation may mitigate the impact of demolition to a less than significant level. However, the conditions under which this might be said to have occurred are not described in the Guidelines. It is also noteworthy that the existing CEQA case law does not

[7] PRC §15126.4 (b)(1)

[8] CEQA Guidelines §15126.4 (b)(2)

appear to support the concept that the loss of an historic resource can be mitigated to less than adverse impact levels by means of documentation or commemoration alone.[9]

Taken in their totality, the CEQA Guidelines require a project which will have potentially adverse impacts on historic resources to conform to the *Secretary of the Interior's Standards,* in order for the impacts to be mitigated to below significant and adverse levels. However, CEQA also mandates the adoption of feasible mitigation measures which will reduce adverse impacts, even if the residual impacts after mitigation remain significant. Means other than the application of the Standards would necessarily be required to achieve this level of mitigation. In determining what type of additional mitigation measures would reduce impacts to the greatest extent feasible, best professional practice dictates considering the level of eligibility of the property, as well as by what means it derives its significance.

Mitigation programs for impacts on historic resources tend to fall into three broad categories: documentation, design and interpretation. Documentation techniques involve the recordation of the site according to accepted professional standards, such that the data will be available to future researchers, or for future restoration efforts. Design measures can potentially include direct or indirect architectural references to a lost historic property, e.g., the incorporation of historic artifacts, into the new development, or the relocation of the historic property to another suitable site. Interpretative measures could include commemorating a significant historic event or the property's connection to historically significant themes.

Recommended Mitigation Measures

A. In consultation with a qualified historic preservation professional, all historically significant buildings and structures and features to be modified or removed shall be documented in accordance with HABS/HAER standards. This documentation shall include archival quality photographs of exterior features, elevations and significant interior features. Scaled, "as built" site plan and floor plans should also be produced where existing plans or records will not suffice for this purpose. The documentation package will be archived at an appropriate location to be determined by the District.

B. In consultation with a qualified historic preservation professional, produce an onsite interpretive plan for the property focused on the history of Isbell School to be permanently displayed in a publicly accessible location.

C. All modifications to historic features on the property shall be undertaken in conformance with the *Secretary of the Interior's Standards for the Treatment of Historic Properties* in accordance with plans prepared in consultation with a qualified historic preservation professional. The objective shall be to preserve interior and exterior historic building character defining features to the greatest extent feasible.

[9] League for Protection of Oakland's Architectural and Historic Resources v. City of Oakland [1997] 52 Cal. App. 4th 896; Architectural Heritage Association v. County of Monterey [2004] 19 Cal. Rptr. 3d 469.

Residual Impacts

As discussed above, the CEQA Guidelines state that in some circumstances, documentation of a resource, by way of historic narrative, photographs or architectural drawings, as mitigation for the impacts of demolition of the resource will not mitigate the impacts to a point where clearly no significant impact on the environment would occur. The proposed Project would result in a significant impact because it would remove all of the contributing buildings on the eligible property resulting in the loss of its eligibility as a landmark. The resource documentation required by the mitigation measures described above therefore would mitigate this impact to the extent feasible, but would not mitigate the impacts to a point where clearly no significant impact on the environment would occur.

Photo 1. Main School Building, western elevation, viewed from southwest. [5-24-21]

Photo 2. Main School Building, eastern elevation, viewed from northeast. [5-24-21]

Photo 3. Main School Building, northern wing, viewed from north. [5-24-21]

Photo 4. Main School Building, southern wing, viewed from northeast. [5-24-21]

Photo 5. Main School Building, southern wing, viewed from south. [5-24-21]

Photo 6. Manual Arts Building, western and southern elevations, viewed from southwest. [5-24-21]

Photo 7. Manual Arts Building, eastern and northern elevations, viewed from northeast. [5-24-21]

Photo 8. Cafetorium Building, eastern elevation, viewed from northeast. [5-24-21]

Photo 9. Cafetorium Building, eastern and southern elevations, viewed from southeast. [5-24-21]

Photo 10. Quonset Building, viewed from south. [5-24-21]

APPENDIX C

Air Quality and Greenhouse Gas Emissions Outputs

Isbell Middle School - Construction (Phase 1) Custom Report

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1.1. Basic Project Information

Data Field	Value
Project Name	Isbell Middle School - Construction (Phase 1)
Construction Start Date	9/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	7.20
Location	34.349053509268714, -119.0667399542638
County	Ventura
City	Santa Paula
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3412
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Junior High School	19.0	1000sqft	0.44	19,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.96	8.94	13.5	11.4	0.03	0.50	2.86	3.35	0.46	1.22	1.68	—	4,413	4,413	0.14	0.42	6.27	4,549
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.45	1.17	13.7	11.3	0.03	0.50	2.86	3.35	0.46	1.22	1.68	—	4,409	4,409	0.13	0.42	0.16	4,539
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.43	0.40	1.55	2.12	< 0.005	0.06	0.18	0.24	0.06	0.07	0.13	—	468	468	0.02	0.03	0.19	477
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.08	0.07	0.28	0.39	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	77.5	77.5	< 0.005	< 0.005	0.03	79.0
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.45	1.18	13.5	11.4	0.03	0.50	2.86	3.35	0.46	1.22	1.68	—	4,413	4,413	0.14	0.42	6.27	4,549
2026	8.96	8.94	4.95	7.41	0.01	0.19	0.23	0.41	0.17	0.05	0.22	—	1,503	1,503	0.06	0.03	0.86	1,514
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.45	1.17	13.7	11.3	0.03	0.50	2.86	3.35	0.46	1.22	1.68	—	4,409	4,409	0.13	0.42	0.16	4,539
2026	0.63	0.53	4.96	7.37	0.01	0.19	0.13	0.32	0.17	0.03	0.21	—	1,499	1,499	0.06	0.03	0.02	1,509
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.18	0.15	1.55	1.74	< 0.005	0.06	0.18	0.24	0.06	0.07	0.13	—	468	468	0.02	0.03	0.19	477
2026	0.43	0.40	1.43	2.12	< 0.005	0.06	0.04	0.10	0.05	0.01	0.06	—	423	423	0.02	0.01	0.08	426
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.03	0.03	0.28	0.32	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	77.5	77.5	< 0.005	< 0.005	0.03	79.0
2026	0.08	0.07	0.26	0.39	< 0.005	0.01	0.01	0.02	0.01	< 0.005	0.01	—	70.0	70.0	< 0.005	< 0.005	0.01	70.5

3. Construction Emissions Details

3.1. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	1.09	10.1	10.0	0.02	0.46	—	0.46	0.43	—	0.43	—	1,714	1,714	0.07	0.01	—	1,720
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	1.09	10.1	10.0	0.02	0.46	—	0.46	0.43	—	0.43	—	1,714	1,714	0.07	0.01	—	1,720
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.55	0.55	< 0.005	0.03	—	0.03	0.02	—	0.02	—	93.9	93.9	< 0.005	< 0.005	—	94.2
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.47	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	100	100	< 0.005	< 0.005	0.40	102
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.06	3.44	0.83	0.02	0.03	0.68	0.71	0.03	0.19	0.22	—	2,599	2,599	0.06	0.41	5.86	2,728
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.43	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	95.8	95.8	< 0.005	< 0.005	0.01	97.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.05	3.56	0.85	0.02	0.03	0.68	0.71	0.03	0.19	0.22	—	2,600	2,600	0.06	0.41	0.15	2,722
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.29	5.29	< 0.005	< 0.005	0.01	5.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	142	142	< 0.005	0.02	0.14	149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.88	0.88	< 0.005	< 0.005	< 0.005	0.89

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.6	23.6	< 0.005	< 0.005	0.02	24.7

3.3. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.52	5.14	6.94	0.01	0.22	—	0.22	0.20	—	0.20	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.77	1.05	< 0.005	0.03	—	0.03	0.03	—	0.03	—	197	197	0.01	< 0.005	—	197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.14	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.6	32.6	< 0.005	< 0.005	—	32.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.46	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	102	102	0.01	< 0.005	0.01	103
Vendor	< 0.005	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.0	96.0	< 0.005	0.01	0.01	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.03	15.7
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.5	14.5	< 0.005	< 0.005	0.02	15.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.56	2.56	< 0.005	< 0.005	< 0.005	2.60
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.40	2.40	< 0.005	< 0.005	< 0.005	2.51
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.81	6.91	0.01	0.19	—	0.19	0.17	—	0.17	—	1,304	1,304	0.05	0.01	—	1,309

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.81	6.91	0.01	0.19	—	0.19	0.17	—	0.17	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.25	1.80	< 0.005	0.05	—	0.05	0.05	—	0.05	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.23	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.2	56.2	< 0.005	< 0.005	—	56.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.47	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	105	105	< 0.005	< 0.005	0.39	106
Vendor	< 0.005	< 0.005	0.11	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	94.4	94.4	< 0.005	0.01	0.25	98.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.03	0.04	0.42	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	100.0	100.0	< 0.005	< 0.005	0.01	101
Vendor	< 0.005	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	94.4	94.4	< 0.005	0.01	0.01	98.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.2	26.2	< 0.005	< 0.005	0.04	26.6
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.6	24.6	< 0.005	< 0.005	0.03	25.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.34	4.34	< 0.005	< 0.005	0.01	4.40
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.07	4.07	< 0.005	< 0.005	< 0.005	4.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.24	5.30	0.01	0.18	—	0.18	0.16	—	0.16	—	823	823	0.03	0.01	—	826
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.02	0.01	0.12	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.5	22.5	< 0.005	< 0.005	—	22.6
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.73	3.73	< 0.005	< 0.005	—	3.75
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	< 0.005	0.01	0.86	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.05	6.05	< 0.005	< 0.005	0.01	6.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.00	1.00	< 0.005	< 0.005	< 0.005	1.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.81	8.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.66	3.66	< 0.005	< 0.005	—	3.67
Architectural Coatings	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.61	0.61	< 0.005	< 0.005	—	0.61
Architectural Coatings	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	20.9	20.9	< 0.005	< 0.005	0.08	21.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.55	0.55	< 0.005	< 0.005	< 0.005	0.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Grading	Grading	9/18/2025	10/15/2025	5.00	20.0	—
Building Construction	Building Construction	10/16/2025	5/13/2026	5.00	150	—
Paving	Paving	5/14/2026	5/27/2026	5.00	10.0	—
Architectural Coating	Architectural Coating	5/28/2026	6/10/2026	5.00	10.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	37.5	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	7.98	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	3.11	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	1.60	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	28,500	9,500	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Grading	6,000	—	15.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Junior High School	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction based on provided schedule of starting in Fall 2025 and completing in Summer 2026. Construction of new interim building will include the construction 19 portable units. No demolition will occur. Grading will include 6,000 cubic yards of imported soil.

Isbell Middle School - Construction (Phase 2) Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Isbell Middle School - Construction (Phase 2)
Construction Start Date	6/11/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	7.20
Location	34.349053509268714, -119.0667399542638
County	Ventura
City	Santa Paula
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3412
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Junior High School	21.9	1000sqft	0.50	21,856	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.25	1.05	9.22	10.1	0.02	0.42	2.17	2.59	0.39	1.02	1.41	—	1,813	1,813	0.07	0.09	1.62	1,820
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.78	5.76	4.99	7.44	0.01	0.19	0.23	0.41	0.17	0.05	0.22	—	1,528	1,528	0.06	0.03	0.02	1,539
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.58	0.53	3.38	5.28	0.01	0.12	0.23	0.31	0.11	0.06	0.14	—	1,089	1,089	0.04	0.02	0.21	1,097
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.11	0.10	0.62	0.96	< 0.005	0.02	0.04	0.06	0.02	0.01	0.03	—	180	180	0.01	< 0.005	0.04	182
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.25	1.05	9.22	10.1	0.02	0.42	2.17	2.59	0.39	1.02	1.41	—	1,813	1,813	0.07	0.09	1.62	1,820
2027	0.61	0.51	4.72	7.44	0.01	0.17	0.15	0.32	0.15	0.04	0.19	—	1,529	1,529	0.06	0.03	0.66	1,540
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	5.78	5.76	4.99	7.44	0.01	0.19	0.23	0.41	0.17	0.05	0.22	—	1,528	1,528	0.06	0.03	0.02	1,539
2027	0.61	0.51	4.73	7.39	0.01	0.17	0.15	0.32	0.15	0.04	0.19	—	1,524	1,524	0.06	0.03	0.02	1,534
2028	0.59	0.50	4.46	7.37	0.01	0.15	0.15	0.30	0.14	0.04	0.17	—	1,519	1,519	0.06	0.03	0.02	1,530
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.58	0.53	2.34	3.21	0.01	0.08	0.23	0.31	0.08	0.06	0.14	—	674	674	0.02	0.02	0.21	682
2027	0.44	0.37	3.38	5.28	0.01	0.12	0.11	0.23	0.11	0.03	0.14	—	1,089	1,089	0.04	0.02	0.20	1,097
2028	0.03	0.03	0.24	0.40	< 0.005	0.01	0.01	0.02	0.01	< 0.005	0.01	—	83.3	83.3	< 0.005	< 0.005	0.01	83.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.11	0.10	0.43	0.59	< 0.005	0.02	0.04	0.06	0.01	0.01	0.03	—	112	112	< 0.005	< 0.005	0.04	113
2027	0.08	0.07	0.62	0.96	< 0.005	0.02	0.02	0.04	0.02	< 0.005	0.02	—	180	180	0.01	< 0.005	0.03	182
2028	0.01	< 0.005	0.04	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	< 0.005	13.9

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	4.09	5.58	0.01	0.13	—	0.13	0.12	—	0.12	—	852	852	0.03	0.01	—	855
Demolition	—	—	—	—	—	—	0.43	0.43	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.75	1.02	< 0.005	0.02	—	0.02	0.02	—	0.02	—	156	156	0.01	< 0.005	—	157
Demolition	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.14	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	26.0
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.59	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	131	131	< 0.005	< 0.005	0.49	133
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.67	0.17	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	520	520	0.01	0.08	1.12	546
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.2	23.2	< 0.005	< 0.005	0.04	23.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.13	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	95.5	95.5	< 0.005	0.02	0.09	100
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.83	3.83	< 0.005	< 0.005	0.01	3.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.01	16.6

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.22	1.02	9.19	9.69	0.02	0.42	—	0.42	0.39	—	0.39	—	1,714	1,714	0.07	0.01	—	1,720
Dust From Material Movement	—	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.0	47.0	< 0.005	< 0.005	—	47.1
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.78	7.78	< 0.005	< 0.005	—	7.80
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	98.3	98.3	< 0.005	< 0.005	0.37	99.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.59	2.59	< 0.005	< 0.005	< 0.005	2.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.43	0.43	< 0.005	< 0.005	< 0.005	0.44
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.81	6.91	0.01	0.19	—	0.19	0.17	—	0.17	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.81	6.91	0.01	0.19	—	0.19	0.17	—	0.17	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.91	1.31	< 0.005	0.04	—	0.04	0.03	—	0.03	—	248	248	0.01	< 0.005	—	248
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.0	41.0	< 0.005	< 0.005	—	41.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.54	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	120	120	< 0.005	< 0.005	0.45	122
Vendor	< 0.005	< 0.005	0.13	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	109	109	< 0.005	0.02	0.28	114
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.49	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.01	116

Vendor	< 0.005	< 0.005	0.14	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	109	109	< 0.005	0.02	0.01	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.0	22.0	< 0.005	< 0.005	0.04	22.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.6	20.6	< 0.005	< 0.005	0.02	21.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.64	3.64	< 0.005	< 0.005	0.01	3.69
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.41	3.41	< 0.005	< 0.005	< 0.005	3.57
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	0.48	4.56	6.90	0.01	0.17	—	0.17	0.15	—	0.15	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	0.48	4.56	6.90	0.01	0.17	—	0.17	0.15	—	0.15	—	1,304	1,304	0.05	0.01	—	1,309

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.25	4.93	0.01	0.12	—	0.12	0.11	—	0.11	—	932	932	0.04	0.01	—	935
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.59	0.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	154	154	0.01	< 0.005	—	155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.50	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	118	118	< 0.005	< 0.005	0.41	120
Vendor	< 0.005	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.02	0.25	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.45	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.01	114
Vendor	< 0.005	< 0.005	0.13	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.02	0.01	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.33	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	81.3	81.3	< 0.005	< 0.005	0.13	82.4
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	76.0	76.0	< 0.005	0.01	0.08	79.5

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	0.02	13.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	0.01	13.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	4.30	6.91	0.01	0.15	—	0.15	0.14	—	0.14	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	71.5	71.5	< 0.005	< 0.005	—	71.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	< 0.005	0.04	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.8	11.8	< 0.005	< 0.005	—	11.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.43	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.01	112
Vendor	< 0.005	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	104	104	< 0.005	0.02	0.01	108
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.12	6.12	< 0.005	< 0.005	0.01	6.21
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.69	5.69	< 0.005	< 0.005	0.01	5.95
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.01	1.01	< 0.005	< 0.005	< 0.005	1.03
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.94	0.94	< 0.005	< 0.005	< 0.005	0.98
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.24	5.30	0.01	0.18	—	0.18	0.16	—	0.16	—	823	823	0.03	0.01	—	826
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.6	40.6	< 0.005	< 0.005	—	40.7
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.72	6.72	< 0.005	< 0.005	—	6.74
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.09	0.93	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	219	219	< 0.005	0.01	0.02	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.02	11.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.80	1.80	< 0.005	< 0.005	< 0.005	1.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134

Architectural Coating	5.63	5.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.58	6.58	< 0.005	< 0.005	—	6.61
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.09	1.09	< 0.005	< 0.005	—	1.09
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.0	23.0	< 0.005	< 0.005	< 0.005	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.14	1.14	< 0.005	< 0.005	< 0.005	1.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/11/2026	9/11/2026	5.00	67.0	—
Grading	Grading	9/12/2026	9/25/2026	5.00	10.0	—
Building Construction	Building Construction	9/26/2026	1/28/2028	5.00	350	—

Paving	Paving	1/29/2026	2/23/2026	5.00	18.0	—
Architectural Coating	Architectural Coating	2/24/2026	3/19/2026	5.00	18.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	9.18	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	3.58	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	1.84	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	10.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	7.66	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	32,784	10,928	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	44,522	—
Grading	0.00	0.00	7.50	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Junior High School	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction based on provided schedule of starting in Summer 2026 and completing by Summer 2028. Based schedule on default model assumptions. Phase 2 includes demolition of Main Building and Manual Arts Buildings, estimated to take approximately 3 months by client.

Isbell Middle School - Construction (Phase 3) Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Isbell Middle School - Construction (Phase 3)
Construction Start Date	9/1/2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	7.20
Location	34.349053509268714, -119.0667399542638
County	Ventura
City	Santa Paula
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3412
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Parking Lot	18.6	1000sqft	0.43	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.54	0.45	4.25	6.16	0.01	0.11	0.47	0.58	0.10	0.09	0.20	—	1,278	1,278	0.04	0.06	0.98	1,298
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.81	1.69	10.9	10.6	0.03	0.40	2.70	3.10	0.37	1.17	1.54	—	3,691	3,691	0.11	0.32	0.10	3,790
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.20	0.16	1.55	1.83	< 0.005	0.05	0.28	0.33	0.05	0.11	0.16	—	485	485	0.01	0.03	0.20	495
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.04	0.03	0.28	0.33	< 0.005	0.01	0.05	0.06	0.01	0.02	0.03	—	80.3	80.3	< 0.005	0.01	0.03	82.0
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.54	0.45	4.25	6.16	0.01	0.11	0.47	0.58	0.10	0.09	0.20	—	1,278	1,278	0.04	0.06	0.98	1,298
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.26	1.03	10.9	10.6	0.03	0.40	2.70	3.10	0.37	1.17	1.54	—	3,691	3,691	0.11	0.32	0.10	3,790
2029	1.81	1.69	4.84	7.18	0.01	0.16	0.23	0.39	0.15	0.05	0.20	—	1,164	1,164	0.04	0.02	0.02	1,170
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.20	0.16	1.55	1.83	< 0.005	0.05	0.28	0.33	0.05	0.11	0.16	—	485	485	0.01	0.03	0.20	495
2029	0.02	0.02	0.04	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.91	9.91	< 0.005	< 0.005	< 0.005	9.96
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.04	0.03	0.28	0.33	< 0.005	0.01	0.05	0.06	0.01	0.02	0.03	—	80.3	80.3	< 0.005	0.01	0.03	82.0
2029	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.65

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.84	5.55	0.01	0.11	—	0.11	0.10	—	0.10	—	852	852	0.03	0.01	—	855
Demolition	—	—	—	—	—	—	0.26	0.26	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.84	5.55	0.01	0.11	—	0.11	0.10	—	0.10	—	852	852	0.03	0.01	—	855
Demolition	—	—	—	—	—	—	0.26	0.26	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.32	0.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	70.0	70.0	< 0.005	< 0.005	—	70.3
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	—	11.6

Demoliti	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.52	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	126	126	< 0.005	< 0.005	0.40	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.01	0.37	0.10	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	299	299	0.01	0.05	0.58	314
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	0.01	122
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.39	0.10	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	300	300	0.01	0.05	0.02	314
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	0.01	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.6	24.6	< 0.005	< 0.005	0.02	25.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.66	1.66	< 0.005	< 0.005	< 0.005	1.68
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.08	4.08	< 0.005	< 0.005	< 0.005	4.28

3.3. Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	0.97	8.42	9.59	0.02	0.38	—	0.38	0.35	—	0.35	—	1,715	1,715	0.07	0.01	—	1,721
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.69	0.79	< 0.005	0.03	—	0.03	0.03	—	0.03	—	141	141	0.01	< 0.005	—	141
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.3	23.3	< 0.005	< 0.005	—	23.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.35	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	90.6	90.6	< 0.005	< 0.005	0.01	91.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.03	2.45	0.62	0.01	0.03	0.53	0.55	0.03	0.15	0.17	—	1,886	1,886	0.03	0.30	0.09	1,977
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.50	7.50	< 0.005	< 0.005	0.01	7.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	155	155	< 0.005	0.02	0.13	163
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.24	1.24	< 0.005	< 0.005	< 0.005	1.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.7	25.7	< 0.005	< 0.005	0.02	26.9

3.5. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.56	0.47	4.05	5.31	0.01	0.15	—	0.15	0.14	—	0.14	—	823	823	0.03	0.01	—	826
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.04	0.03	0.30	0.39	< 0.005	0.01	—	0.01	0.01	—	0.01	—	61.2	61.2	< 0.005	< 0.005	—	61.4
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.1	10.1	< 0.005	< 0.005	—	10.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.07	0.81	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	211	211	< 0.005	0.01	0.02	214
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	< 0.005	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.02	16.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.62	2.62	< 0.005	< 0.005	< 0.005	2.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	3.98	5.31	0.01	0.15	—	0.15	0.14	—	0.14	—	823	823	0.03	0.01	—	826
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.44	6.44	< 0.005	< 0.005	—	6.46
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.07	1.07	< 0.005	< 0.005	—	1.07
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.76	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	208	208	< 0.005	0.01	0.02	211
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.27	0.27	< 0.005	< 0.005	< 0.005	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	1.04	1.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.84
Architectural Coatings	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.30	0.30	< 0.005	< 0.005	—	0.30

Architectural Coating	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetati	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	9/1/2028	10/12/2028	5.00	30.0	—
Grading	Grading	10/13/2028	11/23/2028	5.00	30.0	—
Paving	Paving	11/24/2028	1/4/2029	5.00	30.0	—
Architectural Coating	Architectural Coating	1/4/2029	1/10/2029	5.00	5.00	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38

Paving	Tractors/Loaders/Back	Diesel	Average	1.00	7.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	29.2	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	10.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.63	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	0.00	0.00	1,118

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	12,009	—
Grading	7,000	0.00	22.5	0.00	—
Paving	0.00	0.00	0.00	0.00	0.43

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Parking Lot	0.43	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule based on provided schedule of starting in Fall 2028 and completed by Summer 2029. Phase 3 includes demolition of existing MPR building and new parking and circulation improvements (Parking 18,000 sq ft, circulation improvements 641 sq ft). Demolition is anticipated to take one month. There would also be import of 7,000 cubic yards of soil during the grading phase.
Construction: Dust From Material Movement	—

Isbell Middle School - Construction (Phase 4) Custom Report

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5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Isbell Middle School - Construction (Phase 4)
Construction Start Date	7/1/2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	7.20
Location	34.349053509268714, -119.0667399542638
County	Ventura
City	Santa Paula
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3412
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Junior High School	42.3	1000sqft	0.97	42,335	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.94	9.92	14.7	11.7	0.06	0.43	3.77	4.20	0.40	1.47	1.87	—	7,306	7,306	0.17	0.89	10.3	7,585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.61	0.51	4.41	7.74	0.01	0.14	0.29	0.43	0.13	0.07	0.20	—	1,711	1,711	0.06	0.05	0.03	1,727
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.67	0.65	3.06	5.49	0.01	0.09	0.22	0.30	0.09	0.07	0.14	—	1,216	1,216	0.04	0.04	0.28	1,228
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.12	0.12	0.56	1.00	< 0.005	0.02	0.04	0.05	0.02	0.01	0.02	—	201	201	0.01	0.01	0.05	203
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.39	1.07	14.7	11.7	0.06	0.43	3.77	4.20	0.40	1.47	1.87	—	7,306	7,306	0.17	0.89	10.3	7,585
2030	0.59	0.50	4.27	7.77	0.01	0.13	0.29	0.42	0.12	0.07	0.19	—	1,711	1,711	0.06	0.05	0.90	1,727
2031	9.94	9.92	3.90	6.03	0.01	0.13	0.23	0.36	0.12	0.05	0.18	—	1,033	1,033	0.04	0.01	0.50	1,037
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.61	0.51	4.41	7.74	0.01	0.14	0.29	0.43	0.13	0.07	0.20	—	1,711	1,711	0.06	0.05	0.03	1,727
2030	0.59	0.50	4.28	7.69	0.01	0.13	0.29	0.42	0.12	0.07	0.19	—	1,702	1,702	0.06	0.05	0.02	1,717
2031	0.58	0.49	4.11	7.62	0.01	0.13	0.29	0.41	0.12	0.07	0.18	—	1,692	1,692	0.06	0.05	0.02	1,707
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.23	0.19	1.86	2.73	0.01	0.05	0.22	0.28	0.05	0.07	0.12	—	728	728	0.02	0.04	0.27	741
2030	0.42	0.35	3.06	5.49	0.01	0.09	0.21	0.30	0.09	0.05	0.14	—	1,216	1,216	0.04	0.03	0.28	1,228
2031	0.67	0.65	0.90	1.59	< 0.005	0.03	0.06	0.09	0.02	0.01	0.04	—	331	331	0.01	0.01	0.07	334
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.04	0.03	0.34	0.50	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	120	120	< 0.005	0.01	0.04	123
2030	0.08	0.06	0.56	1.00	< 0.005	0.02	0.04	0.05	0.02	0.01	0.02	—	201	201	0.01	0.01	0.05	203
2031	0.12	0.12	0.16	0.29	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	54.8	54.8	< 0.005	< 0.005	0.01	55.2

3. Construction Emissions Details

3.1. Demolition (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.73	5.54	0.01	0.10	—	0.10	0.09	—	0.09	—	852	852	0.03	0.01	—	854
Demolition	—	—	—	—	—	—	0.29	0.29	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.41	0.61	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.3	93.3	< 0.005	< 0.005	—	93.6
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.5
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.48	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.36	126
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.01	0.40	0.11	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	325	325	0.01	0.05	0.59	341
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.02	13.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.6	35.6	< 0.005	0.01	0.03	37.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.17	2.17	< 0.005	< 0.005	< 0.005	2.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.90	5.90	< 0.005	< 0.005	< 0.005	6.19

3.3. Grading (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	7.88	9.53	0.02	0.35	—	0.35	0.32	—	0.32	—	1,714	1,714	0.07	0.01	—	1,720
Dust From Material Movement	—	—	—	—	—	—	2.09	2.09	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.22	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.0	47.0	< 0.005	< 0.005	—	47.1
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.77	7.77	< 0.005	< 0.005	—	7.80
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93.2	93.2	< 0.005	< 0.005	0.27	94.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.24	0.09	6.76	1.81	0.04	0.08	1.58	1.66	0.08	0.44	0.52	—	5,499	5,499	0.10	0.87	10.0	5,771
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.46	2.46	< 0.005	< 0.005	< 0.005	2.49
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	151	151	< 0.005	0.02	0.12	158
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.41
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.9	24.9	< 0.005	< 0.005	0.02	26.2

3.5. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.53	0.45	4.11	6.89	0.01	0.14	—	0.14	0.13	—	0.13	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	4.11	6.89	0.01	0.14	—	0.14	0.13	—	0.13	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.93	1.55	< 0.005	0.03	—	0.03	0.03	—	0.03	—	293	293	0.01	< 0.005	—	294
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	48.6	48.6	< 0.005	< 0.005	—	48.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.86	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	221	221	< 0.005	0.01	0.64	224
Vendor	0.01	< 0.005	0.22	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	196	196	< 0.005	0.03	0.38	205

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.77	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	211	211	< 0.005	0.01	0.02	214
Vendor	0.01	< 0.005	0.23	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	196	196	< 0.005	0.03	0.01	205
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	47.9	47.9	< 0.005	< 0.005	0.06	48.5
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.1	44.1	< 0.005	0.01	0.04	46.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.92	7.92	< 0.005	< 0.005	0.01	8.03
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.29	7.29	< 0.005	< 0.005	0.01	7.63
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	4.01	6.89	0.01	0.13	—	0.13	0.12	—	0.12	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	4.01	6.89	0.01	0.13	—	0.13	0.12	—	0.12	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	0.31	2.86	4.92	0.01	0.09	—	0.09	0.08	—	0.08	—	932	932	0.04	0.01	—	935
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.52	0.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	154	154	0.01	< 0.005	—	155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.81	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.57	220
Vendor	0.01	< 0.005	0.21	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	190	190	< 0.005	0.03	0.33	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.73	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	208	208	< 0.005	0.01	0.01	210

Vendor	0.01	< 0.005	0.21	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	190	190	< 0.005	0.03	0.01	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.52	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	149	149	< 0.005	0.01	0.18	151
Vendor	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	136	136	< 0.005	0.02	0.10	142
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.7	24.7	< 0.005	< 0.005	0.03	25.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.4	22.4	< 0.005	< 0.005	0.02	23.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	3.85	6.87	0.01	0.12	—	0.12	0.11	—	0.11	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.08	0.07	0.60	1.08	< 0.005	0.02	—	0.02	0.02	—	0.02	—	204	204	0.01	< 0.005	—	205
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.8	33.8	< 0.005	< 0.005	—	33.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.68	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	204	204	< 0.005	0.01	0.01	207
Vendor	0.01	< 0.005	0.21	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	183	183	< 0.005	0.03	0.01	192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	32.2	32.2	< 0.005	< 0.005	0.03	32.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.7	28.7	< 0.005	< 0.005	0.02	30.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.33	5.33	< 0.005	< 0.005	0.01	5.41
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.75	4.75	< 0.005	< 0.005	< 0.005	4.97
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	3.85	5.29	0.01	0.13	—	0.13	0.12	—	0.12	—	823	823	0.03	0.01	—	826
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	3.85	5.29	0.01	0.13	—	0.13	0.12	—	0.12	—	823	823	0.03	0.01	—	826
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.1	45.1	< 0.005	< 0.005	—	45.2
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.46	7.46	< 0.005	< 0.005	—	7.49
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.74	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	210	210	< 0.005	< 0.005	0.50	211
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.67	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	201	201	< 0.005	0.01	0.01	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.01	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.84	1.84	< 0.005	< 0.005	< 0.005	1.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.81	9.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	0.54	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.7	42.7	< 0.005	< 0.005	0.10	42.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	7/1/2029	8/24/2029	5.00	40.0	—
Grading	Grading	8/25/2029	9/7/2029	5.00	10.0	—
Building Construction	Building Construction	9/8/2029	3/21/2031	5.00	400	—
Paving	Paving	3/22/2031	4/18/2031	5.00	20.0	—
Architectural Coating	Architectural Coating	4/19/2031	5/16/2031	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56

Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	87.5	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	17.8	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	6.94	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	3.56	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT

Architectural Coating	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	10.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	5.17	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	63,503	21,168	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	18,000	—
Grading	7,000	0.00	7.50	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Junior High School	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2029	0.00	532	0.03	< 0.005
2030	0.00	532	0.03	< 0.005
2031	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction based on provided schedule of starting in Summer 2029 and completing by Summer 2031. Conservatively based construction schedule on model default assumptions. Phase 4 includes the construction of 7 new classroom buildings and the removal of the 18 existing portable classrooms.

Isbell Middle School - Construction (Phase 5) Custom Report

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5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Isbell Middle School - Construction (Phase 5)
Construction Start Date	7/1/2031
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	7.20
Location	34.349053509268714, -119.0667399542638
County	Ventura
City	Santa Paula
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3412
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Junior High School	19.0	1000sqft	0.44	19,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.10	0.93	7.33	9.79	0.02	0.34	2.17	2.50	0.31	1.02	1.33	—	2,198	2,198	0.07	0.20	2.24	2,262
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.02	0.02	0.18	0.23	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.02	—	70.0	70.0	< 0.005	0.01	0.03	71.8
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	11.6	11.6	< 0.005	< 0.005	< 0.005	11.9
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2031	1.10	0.93	7.33	9.79	0.02	0.34	2.17	2.50	0.31	1.02	1.33	—	2,198	2,198	0.07	0.20	2.24	2,262
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2031	0.02	0.02	0.18	0.23	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.02	—	70.0	70.0	< 0.005	0.01	0.03	71.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2031	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	11.6	11.6	< 0.005	< 0.005	< 0.005	11.9

3. Construction Emissions Details

3.1. Demolition (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.58	5.51	0.01	0.09	—	0.09	0.08	—	0.08	—	851	851	0.03	0.01	—	854
Demolition	—	—	—	—	—	—	1.15	1.15	—	0.17	0.17	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.3	23.3	< 0.005	< 0.005	—	23.4
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.86	3.86	< 0.005	< 0.005	—	3.87
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.42	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	120	120	< 0.005	< 0.005	0.29	121
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.02	1.47	0.42	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,227	1,227	0.02	0.20	1.96	1,288
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.17	3.17	< 0.005	< 0.005	< 0.005	3.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.6	33.6	< 0.005	0.01	0.02	35.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.53	0.53	< 0.005	< 0.005	< 0.005	0.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.56	5.56	< 0.005	< 0.005	< 0.005	5.84

3.3. Grading (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.08	0.91	7.31	9.47	0.02	0.34	—	0.34	0.31	—	0.31	—	1,714	1,714	0.07	0.01	—	1,720
Dust From Material Movement	—	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.39	9.39	< 0.005	< 0.005	—	9.42
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.55	1.55	< 0.005	< 0.005	—	1.56
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.32	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	90.2	90.2	< 0.005	< 0.005	0.22	90.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.48	0.48	< 0.005	< 0.005	< 0.005	0.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	7/1/2031	7/15/2031	5.00	10.0	—
Grading	Grading	7/18/2031	7/20/2031	5.00	2.00	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37

Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	10.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	20.7	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	18,000	—
Grading	0.00	0.00	1.50	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Junior High School	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2031	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule based on provided schedule of starting in Summer 2031 and completing by Summer Fall 2031. Default model schedule used as it provides a more conservative estimate. Phase 5 includes the removal of the interim housing buildings. No construction or architectural coating would occur.

Isbell Middle School - Existing Emissions Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Isbell Middle School - Existing Emissions
Operational Year	2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	7.20
Location	34.34880119135178, -119.06688462550258
County	Ventura
City	Santa Paula
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3412
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Junior High School	700	Student	14.0	82,293	4,000	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.81	9.27	5.45	47.2	0.10	0.11	8.26	8.37	0.11	2.09	2.20	72.1	10,822	10,895	7.79	0.44	40.9	11,261
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.05	8.54	6.02	43.9	0.09	0.11	8.26	8.36	0.10	2.09	2.20	72.1	10,486	10,558	7.84	0.47	1.37	10,897
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.29	6.90	4.37	32.5	0.07	0.09	5.87	5.96	0.09	1.49	1.58	72.1	7,912	7,984	7.68	0.34	12.8	8,289
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.33	1.26	0.80	5.93	0.01	0.02	1.07	1.09	0.02	0.27	0.29	11.9	1,310	1,322	1.27	0.06	2.12	1,372
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.25	6.79	4.95	43.2	0.09	0.07	8.26	8.33	0.07	2.09	2.16	—	9,480	9,480	0.48	0.43	40.6	9,660
Area	2.50	2.45	0.03	3.58	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14.7	14.7	< 0.005	< 0.005	—	14.8
Energy	0.05	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,310	1,310	0.10	0.01	—	1,314
Water	—	—	—	—	—	—	—	—	—	—	—	3.25	17.2	20.5	0.33	0.01	—	31.3
Waste	—	—	—	—	—	—	—	—	—	—	—	68.8	0.00	68.8	6.88	0.00	—	241
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	9.81	9.27	5.45	47.2	0.10	0.11	8.26	8.37	0.11	2.09	2.20	72.1	10,822	10,895	7.79	0.44	40.9	11,261
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.14	6.65	5.55	43.5	0.09	0.07	8.26	8.33	0.07	2.09	2.16	—	9,159	9,159	0.53	0.46	1.05	9,310
Area	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.05	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,310	1,310	0.10	0.01	—	1,314
Water	—	—	—	—	—	—	—	—	—	—	—	3.25	17.2	20.5	0.33	0.01	—	31.3
Waste	—	—	—	—	—	—	—	—	—	—	—	68.8	0.00	68.8	6.88	0.00	—	241
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	9.05	8.54	6.02	43.9	0.09	0.11	8.26	8.36	0.10	2.09	2.20	72.1	10,486	10,558	7.84	0.47	1.37	10,897
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.06	4.72	3.88	30.3	0.06	0.05	5.87	5.92	0.05	1.49	1.54	—	6,577	6,577	0.36	0.32	12.5	6,695

Area	2.18	2.16	0.01	1.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.26	7.26	< 0.005	< 0.005	—	7.28
Energy	0.05	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,310	1,310	0.10	0.01	—	1,314
Water	—	—	—	—	—	—	—	—	—	—	—	3.25	17.2	20.5	0.33	0.01	—	31.3
Waste	—	—	—	—	—	—	—	—	—	—	—	68.8	0.00	68.8	6.88	0.00	—	241
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	7.29	6.90	4.37	32.5	0.07	0.09	5.87	5.96	0.09	1.49	1.58	72.1	7,912	7,984	7.68	0.34	12.8	8,289
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.92	0.86	0.71	5.54	0.01	0.01	1.07	1.08	0.01	0.27	0.28	—	1,089	1,089	0.06	0.05	2.07	1,108
Area	0.40	0.39	< 0.005	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.20	1.20	< 0.005	< 0.005	—	1.21
Energy	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	217	217	0.02	< 0.005	—	218
Water	—	—	—	—	—	—	—	—	—	—	—	0.54	2.85	3.39	0.06	< 0.005	—	5.17
Waste	—	—	—	—	—	—	—	—	—	—	—	11.4	0.00	11.4	1.14	0.00	—	39.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	1.33	1.26	0.80	5.93	0.01	0.02	1.07	1.09	0.02	0.27	0.29	11.9	1,310	1,322	1.27	0.06	2.12	1,372

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	7.25	6.79	4.95	43.2	0.09	0.07	8.26	8.33	0.07	2.09	2.16	—	9,480	9,480	0.48	0.43	40.6	9,660
Total	7.25	6.79	4.95	43.2	0.09	0.07	8.26	8.33	0.07	2.09	2.16	—	9,480	9,480	0.48	0.43	40.6	9,660

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	7.14	6.65	5.55	43.5	0.09	0.07	8.26	8.33	0.07	2.09	2.16	—	9,159	9,159	0.53	0.46	1.05	9,310
Total	7.14	6.65	5.55	43.5	0.09	0.07	8.26	8.33	0.07	2.09	2.16	—	9,159	9,159	0.53	0.46	1.05	9,310
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	0.92	0.86	0.71	5.54	0.01	0.01	1.07	1.08	0.01	0.27	0.28	—	1,089	1,089	0.06	0.05	2.07	1,108
Total	0.92	0.86	0.71	5.54	0.01	0.01	1.07	1.08	0.01	0.27	0.28	—	1,089	1,089	0.06	0.05	2.07	1,108

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	743	743	0.05	0.01	—	746
Total	—	—	—	—	—	—	—	—	—	—	—	—	743	743	0.05	0.01	—	746
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	743	743	0.05	0.01	—	746
Total	—	—	—	—	—	—	—	—	—	—	—	—	743	743	0.05	0.01	—	746
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	123	123	0.01	< 0.005	—	124
Total	—	—	—	—	—	—	—	—	—	—	—	—	123	123	0.01	< 0.005	—	124

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	0.05	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	567	567	0.05	< 0.005	—	568
Total	0.05	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	567	567	0.05	< 0.005	—	568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	0.05	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	567	567	0.05	< 0.005	—	568
Total	0.05	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	567	567	0.05	< 0.005	—	568
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.8	93.8	0.01	< 0.005	—	94.1
Total	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.8	93.8	0.01	< 0.005	—	94.1

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.76	1.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.64	0.59	0.03	3.58	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14.7	14.7	< 0.005	< 0.005	—	14.8
Total	2.50	2.45	0.03	3.58	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14.7	14.7	< 0.005	< 0.005	—	14.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.76	1.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.32	0.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.06	0.05	< 0.005	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.20	1.20	< 0.005	< 0.005	—	1.21
Total	0.40	0.39	< 0.005	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.20	1.20	< 0.005	< 0.005	—	1.21

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	3.25	17.2	20.5	0.33	0.01	—	31.3
Total	—	—	—	—	—	—	—	—	—	—	—	3.25	17.2	20.5	0.33	0.01	—	31.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	3.25	17.2	20.5	0.33	0.01	—	31.3
Total	—	—	—	—	—	—	—	—	—	—	—	3.25	17.2	20.5	0.33	0.01	—	31.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	0.54	2.85	3.39	0.06	< 0.005	—	5.17
Total	—	—	—	—	—	—	—	—	—	—	—	0.54	2.85	3.39	0.06	< 0.005	—	5.17

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	68.8	0.00	68.8	6.88	0.00	—	241
Total	—	—	—	—	—	—	—	—	—	—	—	68.8	0.00	68.8	6.88	0.00	—	241
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	68.8	0.00	68.8	6.88	0.00	—	241
Total	—	—	—	—	—	—	—	—	—	—	—	68.8	0.00	68.8	6.88	0.00	—	241
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	11.4	0.00	11.4	1.14	0.00	—	39.9
Total	—	—	—	—	—	—	—	—	—	—	—	11.4	0.00	11.4	1.14	0.00	—	39.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Junior High School	1,491	0.00	0.00	388,725	11,677	0.00	0.00	3,044,446

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	123,440	41,147	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Junior High School	510,097	532	0.0330	0.0040	1,767,909

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Junior High School	1,696,968	51,710

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Junior High School	128	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Junior High School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Junior High School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Junior High School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Junior High School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Existing Isbell Middle School accommodates approximately 700 students and is located on a 14-acre school site. Estimated approximately 4,000 sq ft is landscaped.

Isbell Middle School - Proposed Project Operational Emissions Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Isbell Middle School - Proposed Project Operational Emissions
Operational Year	2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	7.20
Location	34.34880119135178, -119.06688462550258
County	Ventura
City	Santa Paula
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3412
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Junior High School	750	Student	14.0	88,171	4,000	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.14	7.72	3.66	36.4	0.09	0.09	8.83	8.93	0.09	2.24	2.33	77.3	10,064	10,142	8.19	0.38	17.4	10,476
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.43	7.04	4.00	32.5	0.08	0.09	8.83	8.92	0.08	2.24	2.32	77.3	9,755	9,832	8.23	0.40	0.78	10,158
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.19	5.89	2.96	24.8	0.06	0.08	6.28	6.36	0.07	1.59	1.67	77.3	7,414	7,492	8.11	0.29	5.62	7,785
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.13	1.07	0.54	4.52	0.01	0.01	1.15	1.16	0.01	0.29	0.30	12.8	1,228	1,240	1.34	0.05	0.93	1,289
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.40	5.06	3.12	32.2	0.08	0.05	8.83	8.88	0.05	2.24	2.29	—	8,627	8,627	0.36	0.36	17.1	8,760
Area	2.68	2.63	0.03	3.83	< 0.005	0.01	—	0.01	0.01	—	0.01	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Energy	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,404	1,404	0.10	0.01	—	1,408
Water	—	—	—	—	—	—	—	—	—	—	—	3.48	18.4	21.9	0.36	0.01	—	33.5
Waste	—	—	—	—	—	—	—	—	—	—	—	73.8	0.00	73.8	7.37	0.00	—	258
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.34	0.34
Total	8.14	7.72	3.66	36.4	0.09	0.09	8.83	8.93	0.09	2.24	2.33	77.3	10,064	10,142	8.19	0.38	17.4	10,476
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.37	5.01	3.49	32.1	0.08	0.05	8.83	8.88	0.05	2.24	2.29	—	8,333	8,333	0.39	0.39	0.44	8,458
Area	2.00	2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,404	1,404	0.10	0.01	—	1,408
Water	—	—	—	—	—	—	—	—	—	—	—	3.48	18.4	21.9	0.36	0.01	—	33.5
Waste	—	—	—	—	—	—	—	—	—	—	—	73.8	0.00	73.8	7.37	0.00	—	258
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.34	0.34
Total	7.43	7.04	4.00	32.5	0.08	0.09	8.83	8.92	0.08	2.24	2.32	77.3	9,755	9,832	8.23	0.40	0.78	10,158
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.80	3.55	2.43	22.5	0.06	0.04	6.28	6.31	0.03	1.59	1.63	—	5,985	5,985	0.27	0.27	5.28	6,077

Area	2.34	2.31	0.02	1.89	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.78	7.78	< 0.005	< 0.005	—	7.80
Energy	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,404	1,404	0.10	0.01	—	1,408
Water	—	—	—	—	—	—	—	—	—	—	—	3.48	18.4	21.9	0.36	0.01	—	33.5
Waste	—	—	—	—	—	—	—	—	—	—	—	73.8	0.00	73.8	7.37	0.00	—	258
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.34	0.34
Total	6.19	5.89	2.96	24.8	0.06	0.08	6.28	6.36	0.07	1.59	1.67	77.3	7,414	7,492	8.11	0.29	5.62	7,785
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.69	0.65	0.44	4.10	0.01	0.01	1.15	1.15	0.01	0.29	0.30	—	991	991	0.04	0.04	0.87	1,006
Area	0.43	0.42	< 0.005	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.29	1.29	< 0.005	< 0.005	—	1.29
Energy	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	232	232	0.02	< 0.005	—	233
Water	—	—	—	—	—	—	—	—	—	—	—	0.58	3.05	3.63	0.06	< 0.005	—	5.54
Waste	—	—	—	—	—	—	—	—	—	—	—	12.2	0.00	12.2	1.22	0.00	—	42.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	1.13	1.07	0.54	4.52	0.01	0.01	1.15	1.16	0.01	0.29	0.30	12.8	1,228	1,240	1.34	0.05	0.93	1,289

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	5.40	5.06	3.12	32.2	0.08	0.05	8.83	8.88	0.05	2.24	2.29	—	8,627	8,627	0.36	0.36	17.1	8,760
Total	5.40	5.06	3.12	32.2	0.08	0.05	8.83	8.88	0.05	2.24	2.29	—	8,627	8,627	0.36	0.36	17.1	8,760

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	5.37	5.01	3.49	32.1	0.08	0.05	8.83	8.88	0.05	2.24	2.29	—	8,333	8,333	0.39	0.39	0.44	8,458
Total	5.37	5.01	3.49	32.1	0.08	0.05	8.83	8.88	0.05	2.24	2.29	—	8,333	8,333	0.39	0.39	0.44	8,458
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	0.69	0.65	0.44	4.10	0.01	0.01	1.15	1.15	0.01	0.29	0.30	—	991	991	0.04	0.04	0.87	1,006
Total	0.69	0.65	0.44	4.10	0.01	0.01	1.15	1.15	0.01	0.29	0.30	—	991	991	0.04	0.04	0.87	1,006

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	797	797	0.05	0.01	—	800
Total	—	—	—	—	—	—	—	—	—	—	—	—	797	797	0.05	0.01	—	800
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	797	797	0.05	0.01	—	800
Total	—	—	—	—	—	—	—	—	—	—	—	—	797	797	0.05	0.01	—	800
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	132	132	0.01	< 0.005	—	132
Total	—	—	—	—	—	—	—	—	—	—	—	—	132	132	0.01	< 0.005	—	132

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	607	607	0.05	< 0.005	—	609
Total	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	607	607	0.05	< 0.005	—	609
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	607	607	0.05	< 0.005	—	609
Total	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	607	607	0.05	< 0.005	—	609
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	101	101	0.01	< 0.005	—	101
Total	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	101	101	0.01	< 0.005	—	101

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.89	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.68	0.63	0.03	3.83	< 0.005	0.01	—	0.01	0.01	—	0.01	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Total	2.68	2.63	0.03	3.83	< 0.005	0.01	—	0.01	0.01	—	0.01	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.89	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.00	2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.06	0.06	< 0.005	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.29	1.29	< 0.005	< 0.005	—	1.29
Total	0.43	0.42	< 0.005	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.29	1.29	< 0.005	< 0.005	—	1.29

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	3.48	18.4	21.9	0.36	0.01	—	33.5
Total	—	—	—	—	—	—	—	—	—	—	—	3.48	18.4	21.9	0.36	0.01	—	33.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	3.48	18.4	21.9	0.36	0.01	—	33.5
Total	—	—	—	—	—	—	—	—	—	—	—	3.48	18.4	21.9	0.36	0.01	—	33.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	0.58	3.05	3.63	0.06	< 0.005	—	5.54
Total	—	—	—	—	—	—	—	—	—	—	—	0.58	3.05	3.63	0.06	< 0.005	—	5.54

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	73.8	0.00	73.8	7.37	0.00	—	258
Total	—	—	—	—	—	—	—	—	—	—	—	73.8	0.00	73.8	7.37	0.00	—	258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	73.8	0.00	73.8	7.37	0.00	—	258
Total	—	—	—	—	—	—	—	—	—	—	—	73.8	0.00	73.8	7.37	0.00	—	258
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	12.2	0.00	12.2	1.22	0.00	—	42.7
Total	—	—	—	—	—	—	—	—	—	—	—	12.2	0.00	12.2	1.22	0.00	—	42.7

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.34	0.34
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.34	0.34
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.34	0.34
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.34	0.34
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Junior High School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Junior High School	1,598	0.00	0.00	416,491	12,511	0.00	0.00	3,261,906

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	132,257	44,086	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Junior High School	546,532	532	0.0330	0.0040	1,894,187

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Junior High School	1,818,180	51,710

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Junior High School	137	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Junior High School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Junior High School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Junior High School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Junior High School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Proposed Project is estimated to accommodate 750 7th and 8th grade students. Estimated approximately 4,000 sq ft is landscaped.

APPENDIX D

Asbestos and Lead Survey Report

FCG Environmental

Environmental Consulting Services
Asbestos · Mold · Lead · Property Assessment

May 28, 2021

Mr. Douglas Henning, Facilities & Construction Manager
Santa Paula Unified School District
Business Services Division
201 S. Steckel Drive
Santa Paula, CA 93060

Subject: **Asbestos and Lead Survey Report**
Isbell Middle School – Main Building
221 S. 4th Street
Santa Paula, CA 93060
FCG Job Code: SPUSD-58

Dear Mr. Henning:

FCG Environmental (FCG) conducted a hazardous materials survey at the above-referenced property, which included asbestos bulk sampling and lead-based paint testing. The investigation was performed on May 17, 2021 by FCG personnel, under the supervision of Alan Forbess, a CA Lead Inspector/Assessor and Project Monitor (No. 0505/504) and CA Certified Asbestos Consultant (No. 94-1549). This report documents the results of our survey, which was conducted to identify proper handling of hazardous building materials prior to renovation/ demolition work at the main building on the Isbell Middle School campus.

1.0 Background Information / Scope of Project

Background/Site Description: According to information provided to FCG, the main building is planned for major remodeling or possibly demolition of the structure. Some areas within the Library have reportedly been remodeled.

Scope of Project: FCG was asked to perform a survey of interior and exterior building materials in order to identify hazardous materials concerns in accordance with federal, state and local regulations. The following services were conducted in order to define asbestos and lead concerns at the subject site:

- A visual inspection of representative building materials was conducted to identify suspect asbestos and lead paint materials.
- Bulk samples were collected from representative suspect materials for submittal to a qualified laboratory for asbestos analysis. All bulk samples were analyzed by SGS Forensic Analytical, a state-certified laboratory located in Carson, CA. All samples were analyzed by polarized light microscopy (PLM), to determine asbestos fiber concentrations in bulk building material samples. PLM is applicable for the analysis of building survey submissions and other bulk materials.
- Screening for lead-based paint was conducted using an X-Ray Fluorescence (XRF) paint analyzer to screen representative surfaces and materials suspected of being coated with lead-based paint.

- All field observations, laboratory analytical data, XRF readings and other findings have been evaluated, with this written report summarizing our findings and providing recommendations as necessary.

2.0 Asbestos Survey Findings

Suspect Materials: After a visual inspection at the subject site structures was completed, the following suspect asbestos containing materials were noted:

- 2' x 4' suspended ceiling tiles – classrooms, office
- Ceiling tile mastic – classrooms, storeroom
- Sprayed-on textured ceiling plaster – hallways
- Interior plaster – throughout, except hallway ceiling
- 12" tan vinyl floor tiles (VFT) with mastic – hallways
- Carpet mastic – various locations
- 12" grey VFT & mastic – 2nd floor, various locations
- Drywall with joint compound – 1st floor admin offices & 110/111
- Cove base with mastic – offices & hallways
- 12" beige VFT & mastic – 1st floor, classroom 11 & 11A
- Fireplace brick – classroom fireplaces
- Chalkboards – classrooms
- 12" wall tile (large hole) & mastic – 2nd floor, rooms 22/23
- Sprayed-on chimney concrete – attic chimneys
- Rain gutter mastic
- Roofing felt (under clay tiles) – throughout upper roof
- Roofing layers (hot mop with stones) – lower roof areas
- Roofing mastics – penetrations & patches
- Drip edge flashing caulk
- Exterior wall texture – throughout upper wall
- Exterior window putty – west side
- Exterior wall texture – throughout
- Fire doors (not sampled) – throughout
- Chalkboard mastic (not sampled) – throughout
- Acoustic wall panel mastic (not sampled) – throughout

Bulk Sampling Results: FCG collected 77 bulk samples from suspect asbestos containing materials at the subject site, which were forwarded to SGS Forensic Analytical for analysis by Polarized Light Microscopy (PLM) using EPA Method 600/R-93-116, Visual Area Estimation. Table 1 below provides a summary of those materials which tested positive for asbestos based on laboratory analytical data. Please refer to the Attachments for a complete copy of the laboratory analytical report.

Table 1: List of Identified Asbestos Containing Materials

Sample ID	Asbestos Containing Material	Location	% Asbestos (Chrysotile)	Category & Friability
15 - 21	Sprayed-on Textured Ceiling Plaster	Hallways (~7,300 sf)	**Off-white Plaster = 3%** Paint = ND	Category II, Non-Friable Material
48 – 49	Cove Base Mastic (Under Dark Brown Cove Base)	2nd Floor Limited Offices & Hallway	Dk Brown Cove Base = ND Brown Mastic = ND **Dk Brown Mastic = Trace (<1%)** Paint = ND	Category I, Non-friable Material
55	Brown Mastic (Under 12" Large Hole Wall Tiles)	2nd Floor Rooms 22/23 (~100 sf)	**Brown Mastic = Trace (<1%)** Wall Tile = ND Paint = ND	Category I, Non-friable Material
67, 68 & 70	Roofing Mastic	Lower Roof Areas Penetrations, Curbs, Patches, Walkway Supports (~37 sf)	**Black Mastic = 7%**	Category I, Non-friable Materials
76	Exterior Window Putty	West Side (~500 lf)	**Grey Putty = Trace (<1%)** Paint = ND	Category II, Non-friable Materials
---	Fire Doors	Throughout	Presumed ACM	Friable, RACM
---	Chalkboard Mastic	Throughout	Presumed ACM	Category I, Non-friable Materials
---	Acoustic Wall Panel Mastic	Throughout	Presumed ACM	Category I, Non-friable Materials
Please refer to the attached laboratory analytical report for additional information.				

Materials Testing Negative: The following materials were sampled and tested negative for asbestos:

- 2' x 4' suspended ceiling tiles – classrooms, office
- Ceiling tile mastic – classrooms, storeroom
- Interior plaster – throughout, except hallway ceiling
- 12" tan vinyl floor tiles (VFT) with mastic – hallways
- Carpet mastic – various locations
- 12" grey VFT & mastic – 2nd floor, various locations
- Drywall with joint compound – 1st floor admin offices & 110/111
- 12" beige VFT & mastic – 1st floor, classroom 11 & 11A
- Fireplace brick – classroom fireplaces
- Chalkboards – classrooms
- Sprayed-on chimney concrete – attic chimneys
- Rain gutter mastic
- Roofing felt (under clay tiles) – throughout upper roof
- Roofing layers (hot mop with stones) – lower roof areas
- Drip edge flashing caulk
- Exterior wall texture – throughout upper wall
- Exterior wall texture – throughout

Materials Showing a "Trace" of Asbestos: The following suspect materials were tested and showed a "trace" or less than 1% asbestos by standard PLM methodology. Further analysis by more quantitative methods such as "Point Count" or transmission electron microscopy (TEM) would be required to quantify the actual concentration of asbestos in "trace" PLM sample results. Otherwise, the following materials must be managed as ACM:

- Cove base mastic (dark brown) – 2nd floor, limited offices & hallway
- Brown wall tile mastic – 2nd floor, rooms 22/23
- Exterior window putty – west side

Notes on Tables and Assessment Terms

1) Asbestos containing material (ACM): Federal and County APCD regulations define ACM as any material or product that contains more than 1% asbestos.
2) Asbestos containing construction material (ACCM): State regulations define ACCM as any material with greater than 0.1% asbestos by weight.
3) Asbestos renovation: Defined by NESHAPS as the removal of more than 160 square feet or 260 linear feet of ACM. OSHA requires registration of all contractors removing more than 100 sq. ft. on any project.
4) Friable ACM: any ACM that when dry can be crumbled, pulverized, or reduced to powder by normal hand pressure.
5) Non-friable ACM: any ACM that **cannot** be reduced to powder by normal hand pressure.
6) Category I non-friable ACM: asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products (typically pliable materials, including sealants and mastics).
7) Category II non-friable ACM: any other ACM that when dry **cannot** be reduced to powder by hand pressure (typically non-pliable/cementitious materials).
8) Regulated Asbestos Containing Material (RACM): any *friable* ACM that will be removed during a renovation of a regulated structure. ACM that will become friable due to the removal technique is also regulated. Note: while linoleum flooring is considered Category II ACM while managed in place, removal *always* renders it friable.
9) Presumed Asbestos Containing Materials (PACM): This designation is for those materials which are normally asbestos containing but were not sampled due to access issues or potential for irreparable damage. This typically includes transite (asbestos cement) piping or sheeting, or HVAC insulation materials in walls, under floors, etc. where destructive testing is not recommended. Regulations allow asbestos inspectors to "presume" that these materials contain asbestos without laboratory data based on the inspector's experience and knowledge of building materials.
10) Trace (<1%) Asbestos: Federal and local APCD regulations define an asbestos containing material (ACM) as any compound with greater than 1% asbestos. The State of California through Cal-OSHA regulation further defines an asbestos containing material as any compound which meets or exceeds a concentration of 0.1% asbestos by weight. This definition is primarily for worker and occupant protection during disturbance work. The polarized light microscopy (PLM) method does not quantify the concentration asbestos in bulk samples at levels of less than 1%. Furthermore, PLM methodology will include all fibers with a similar aspect ratio (3:1) to asbestos fibers, and therefore may count non-asbestos fibers as part of the overall total. PLM analytical methods must report a "trace" amount where fibers are noted in concentrations of less than 1% of the total. Further analysis by more quantitative methods such as "Point Count" or transmission electron microscopy (TEM) are required to quantify the actual concentration of asbestos in "trace" PLM sample results.

Summary: Our survey has identified a number of Asbestos Containing Materials (ACM) at the site which will require abatement or special handling as part of future site work. Please see the Conclusions & Recommendations (Section 4.0) below for further discussion regarding the abatement and proper handling of asbestos containing materials.

3.0 Lead-Based Paint Survey

FCG was contracted to perform field testing to determine the presence of lead-based paint or lead components throughout the subject building. A visual inspection was conducted to identify areas of suspect lead-based paint or coatings. Screening for lead was conducted in the field using XRF methodology in accordance with current state and federal regulations. All field work was conducted by a Certified Lead Inspector/Assessor or Lead Sampling Technician. The results of this survey will be used by contracting personnel to determine appropriate lead safe work practices prior to future site work.

Background Information on Lead Paint Requirements: Several regulations apply to the disturbance and possible exposure to lead from paints and other coatings. Title 17 of the California Code of Regulations (CCR) applies to residences and buildings accessible to the public that were constructed prior to 1979, and schools constructed before 1993 where lead paint may exist. Cal-OSHA regulations found within Title 8 of the CCR apply to worker exposure as stated in the Lead-in-Construction Standard (8-CCR-1532.1). The EPA recently issued a final rule to address lead-based paint hazards created by renovation, repair and painting activities that disturb lead-based paint in target housing and child-occupied facilities.

The EPA's Lead Renovation, Repair and Painting (RRP) Program was passed into regulation requiring compliance with training and certification requirements per Title 40 of the Code of Federal Regulations (40 CFR Part 745). The RRP rule states that firms and individuals conducting renovations of target housing constructed before 1978 must assume that lead is present in all painted surfaces or coatings unless a written determination has been made by a Certified Inspector that the components affected by the renovation are free of paint or other surface coatings that contain lead equal to or in excess of 1.0 milligrams per square centimeter (mg/cm^2) or 0.5% by weight.

***Scope of Lead Testing Services*:** FCG's scope of services involved field testing through use of X-ray fluorescence (XRF) instrumentation, which provides instantaneous readings in the field. The XRF instrument is used because of its demonstrated abilities to accurately determine the amount of lead that is present without disturbing the painted surfaces, as well as their high speed and relatively low cost per sample. The XRF device is capable of measuring lead in both deteriorated and intact paint. See the Attachments to this report for more information on XRF sampling methodology.

Inspection Results: Per EPA and California regulations, paint or coatings are considered to be lead-based at concentrations at or above 1.0 milligram per square centimeter (mg/cm^2) using XRF technology. FCG tested representative remaining surfaces throughout the subject site where renovation work is planned. Calibration tests were performed at the beginning of the survey and again at the end of the survey to document that the equipment was working properly.

- ***Summary of Painted Surfaces Testing Positive for Lead:*** We have listed below those materials/surfaces with concentrations greater than 1.0 milligrams per square centimeter using XRF equipment, and are therefore considered positive for lead-based paint (LBP) per current state and federal regulations:

First Floor
- *Tan wood door trim – boy's RR, D side*
- *Blue wood display cases – front entry, D & B sides*
- *Beige wood door trim – large storage room, D side*
- *White plaster walls – Room 11A*
- *Blue wood window frames – Room 11A, C side*
- *Blue wood door frame – Room 11A, D side*

Second Floor
- *Blue wood window frames – east janitor's closet, D side*
- *Tan wood window frames – Room 12, B side*

Exterior
- *All brown wood window frames, trim, sills*
- *All white wood eaves & rafter tails*
- *Brown wood door frame – 2nd floor, A side*

- ***Other Surfaces Testing Positive for Lead:*** We have listed below those components that tested positive for lead in the glazing compounds above the regulated level of 1.0 mg/cm^2. Although not covered by the EPA's RRP rule, disturbance of these components may create a lead hazard which is regulated under current OSHA and CA regulations and may require special handling as part of site renovation work.

  First Floor
  - *White ceramic wall tiles & blue accent tiles – boy's RR*
  - *White ceramic wall tiles & blue accent tiles – Room 101 (Office) RR*
  - *White ceramic wall tiles & blue accent tiles – girl's RR*

  Second Floor
  - *Green chalkboards – throughout classrooms on both floors*
  - *White porcelain sink – Room 12*

  Exterior
  - *Green & blue ceramic decorative wall tile – C side*

Please refer to the attached data table for a summary of all XRF readings and the locations of lead-based materials. The A side noted on the tables and site plan is the 4th Street side of the subject site and the B, C and D sides continue clockwise around the site.

4.0 Conclusions & Recommendations

An asbestos and lead-based paint survey of the site has been completed per the terms of our agreement to define hazardous materials issues prior to future remodeling/demolition activities. Based on our visual observations and our evaluation of analytical data, we conclude the following:

Asbestos:

1) *Identified ACM:* The following materials were found to contain greater than 1% asbestos and are regulated under current federal, state and local regulations as an *Asbestos Containing Materials (ACM)*:

    - *Sprayed-on Textured Ceiling Plaster (3% Chrysotile)* – Located within the first and second floor hallways with approximately 7,300 sq. ft. This is a non-friable, Category II material.
    - *Roofing Mastics (7% Chrysotile)* – Located on the lower roof areas at a 3" vent penetration (approx. 2 sq. ft.), curb corner (approx. 8 sq. ft.) and walkway support base (approx. 15 sq. ft.). Roofing mastic is a non-friable, Category I material.

2) *Presumed ACM*: The following materials are presumed to be asbestos containing but were not sampled due to the potential for damaging the integrity of the materials or inaccessibility and therefore must be managed as ACM unless additional testing is conducted to quantify the actual concentration of asbestos:

    - *Fire Doors* – Located throughout the building. These are considered friable, RACM.
    - *Chalkboard Mastic* – Located throughout the classrooms. This is a non-friable, Category I material.
    - *Acoustic Wall Panel Mastic* – Located throughout the hallways. This is a non-friable, Category I material.

3) *Trace ACM*: The following materials were tested and found to contain less than 1% asbestos and therefore must be managed as ACM unless additional testing is conducted to quantify the actual concentration of asbestos:

    - *Cove Base Mastic (Dark Brown):* Two of the five samples collected from cove base mastics were found to contain <1% chrysotile. Samples 48 and 49 were collected from the 2nd floor, in office #109 and the hallway. Due to the difficulty in distinguishing between the various mastic, all cove base mastic should be treated as ACM. This is a non-friable, Category I material.
    - *Brown Wall Tile Mastic:* Located on the 2nd floor within rooms 22/23 with approximately 100 square feet. This is a non-friable, Category I material.
    - *Exterior Window Putty:* Located on the west side of the building. This is a non-friable, Category II material.

    These materials must be treated as asbestos containing materials unless further analysis by more quantitative methods such as "Point Count" or transmission electron microscopy (TEM) are utilized to quantify the actual concentration of asbestos.

Asbestos Recommendations

1) All identified asbestos containing materials (ACM) that will be disturbed as part of future site work must be handled in accordance with applicable federal, state and local regulations. Disturbance activities should be performed only by properly trained and licensed abatement contractors using appropriate controls to prevent fiber emissions during the removal process. This may include the use of wet methods (water mist), negative pressure containment, HEPA filtration and other engineering controls to keep fibers from being dispersed in accordance with current federal, state and local regulations.

2) Workers performing removal should be properly protected to prevent exposure, including the use of respiratory protection with HEPA filtration, protective suits, etc. Engineering controls must be in place. Disturbance of greater than 100 sq. ft. of any ACM or ACCM must be performed by trained and licensed asbestos contractors that are currently registered with the Dept. of Occupational Safety & Health (DOSH or Cal/OSHA).

3) The local enforcement agency for asbestos removal projects in this area is the Ventura County Air Pollution Control District (APCD). They require notification for removal of friable, regulated asbestos containing materials in quantities which exceed 100 square feet. Regardless of the quantities found, the survey report should be submitted for their review along with any required documentation or notifications for their review and approval. They also require notification for all demolition projects, including projects where a load-bearing wall is removed. Additional permit requirements may apply from the local Building Department. We recommend that you contact the local APCD and appropriate agencies directly for further information regarding permitting and regulatory requirements.

4) The contractor conducting abatement work is responsible for complying with local, state and federal standards for worker protection and NESHAPS regulations regarding asbestos fiber emissions. Proper removal techniques must be followed to prevent the dissemination of asbestos fibers. Notification and permitting is typically the responsibility of the abatement contractor and/or property owner. If you would like assistance regarding these matters or would like the names of qualified contractors in your area, please feel free to contact FCG at (805) 646-1995.

Lead:

1) The painted surfaces listed in Section 3.0 above tested above the 1.0 mg/cm^2 regulatory level for Lead-Based Paint (LBP) and will require the implementation of lead-safe work practices per RRP rules if they are to be disturbed as part of future renovation/demolition activities. Please refer to Attachments for a complete list of all XRF Field Readings and a table of all positive XRF readings.

2) All lead disturbance work should be performed in accordance with applicable State, and Federal regulations. We recommend that all disturbance of lead-based paint be performed by properly trained personnel using lead safe work practices, including dust reduction methods or containment as necessary to prevent generation of a lead hazard. Proper controls and lead safe work practices must be used to avoid the generation of

lead dust emissions which may contaminate the site and pose a possible health risk to occupants, unprotected workers or the general public. This will include appropriate containment, wet methods and use of hand scraping or similar methods that will minimize the generation of airborne dust emissions and potential lead hazards.

3) It is the responsibility of the contractor conducting LBP disturbance work to protect employees, the general public and prevent contamination of the site when disturbing lead. The contractor must comply with current OSHA regulations and the EPA's Renovation Repair and Painting (RRP) Rule, which requires the use of "Lead Safe Work Practices" when disturbing lead. Please see the attached ***Lead Safe Work Practices*** for details.

4) The ceramic tiles and porcelain components listed in Section 3.0 above and the attached XRF Tables were found to contain lead above 1.0 mg/cm^2. It should be noted that lead is typically found in the glazing materials used to seal porcelain and ceramic components. According to the EPA's Frequently Asked Questions page from their website (http://www.epa.gov/lead/pubs/rrp-faq.pdf), ceramic and porcelain glazing is neither a surface coating nor a painted surface. Therefore, renovations that disturb porcelain or ceramic glaze are not subject to the EPA's RRP Rule. However, disturbance or damage to components with high levels of lead may result in the generation of a lead hazard due to the potential for lead dust to be generated.

5) If the lead containing ceramic or porcelain components will be removed or disturbed as part of the renovation/demolition activities, the removal should be conducted by lead trained workers using appropriate dust controls and lead safe work practices.

6) Lead waste materials should be properly contained and transported for off-site disposal at a properly permitted facility. Lead paint chips and similar lead waste is typically hazardous waste and must be properly manifested and disposed at a Class I landfill. If necessary, waste characterization testing should be conducted to ensure proper handling and disposal.

7) Many of the painted surfaces showed detectable levels of lead at concentrations below the regulated threshold of 1.0 mg/cm^2. These surfaces are not regulated as lead-based paint but may include worker protection requirements per OSHA regulations found in Title 29 of the Code of Federal Regulations and Title 8 of the California Code of Regulations. It is the employer's responsibility to document worker exposure to lead per OSHA regulations and conduct negative exposure monitoring as necessary.

General: As our survey was limited to readily accessible areas, there is potential that suspect materials previously not included or identified by our survey could be discovered during future site work. This may include suspect materials located inside walls, under floors, above ceilings, etc. If suspect materials are found during site work, the area should be isolated and any suspect materials tested to confirm or deny the presence of asbestos, lead or other hazards.

Limitations Statement

The data compiled and evaluated as part of this assessment was limited and may not represent all conditions at the subject site. Asbestos was widely used until the late 1970's in thousands of building materials (i.e. joint compound, wallboard, thermal system insulation (TSI), acoustical ceiling, roofing material, etc.), making it difficult to locate all areas of ACM usage. This assessment reflects the data collected from the specific locations tested to identify Asbestos Containing Materials (ACM) in those locations and may not be all encompassing. There is always potential for asbestos containing materials to be missed due to problems with accessibility, and the broad variety of uses. The presence or absence of lead-based paint or lead-based paint hazards applies only to the tested or assessed surfaces on the date of the field visit. It should be understood that conditions noted within this report were accurate at the time of the inspection and in no way reflect the conditions at the property after the date of the inspection. All data collection, findings, conclusions and recommendations presented by FCG within this report are based upon limited data using current standard practices accepted within the industry. The conclusions and recommendations presented within this report are based on current regulations and the professional experience of the certified professionals involved in this project.

The data collected during this assessment and any resulting recommendations shall be used only by the client for the site described in this report. Any use or reliance of this report by a third party, including any of its information or recommendations, without the explicit authorization of the client shall be strictly at the risk of the third party.

It should not be misconstrued that this assessment has identified any or all environmental conditions at the subject site. FCG makes no representations regarding the accuracy of the enclosed data and will not be held responsible for any incidental or consequential loss or punitive damages including but not limited to, loss of profits or revenues, loss of use of a facility or land, delay in construction or action of regulatory agencies.

If you have any questions or concerns regarding the information provided, please do not hesitate to call us at 805.646.1995.

FCG Environmental

Alan Forbess, Principal Consultant
Certified Lead Inspector/Assessor (LRC No. 0505/504)
CA Certified Asbestos Consultant (CAC No. 94-1549)

Attachments: 1 - Forensic Analytical Results, Bulk Sampling Log & Field Plot (Asbestos)
2 - XRF Field Readings, XRF Sampling Methodology & Field Plot (Lead)
3 - FCG Inspector Certifications

Attachment 1

Laboratory Analytical Results for Asbestos Bulk Samples

Bulk Sample Log Sheets/Chain-of-Custody

Field Plot with Asbestos Sampling Locations

SGS FORENSIC LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-1

Forbess Consulting Group (FCG)
Alan Forbess
1009 Mercer Avenue

Ojai, CA 93023

Client ID: 7238
Report Number: B318014
Date Received: 05/18/21
Date Analyzed: 05/21/21
Date Printed: 05/21/21
First Reported: 05/21/21

Job ID/Site: SPUSD-58; Isbell Middle School, 221 S. 4th St. Santa Paula, Building A

Date(s) Collected: 05/17/2021

SGSFL Job ID: 7238
Total Samples Submitted: 77
Total Samples Analyzed: 77

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
1	51439146						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (45 %) Fibrous Glass (35 %)							
2	51439147						
Layer: Beige Fibrous Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (45 %) Fibrous Glass (35 %)							
3	51439148						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (45 %) Fibrous Glass (35 %)							
4	51439149						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (45 %) Fibrous Glass (35 %)							
5	51439150						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (45 %) Fibrous Glass (35 %)							
6	51439151						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (45 %) Fibrous Glass (35 %)							

20535 South Belshaw Avenue, Carson, CA 90746 / Telephone: (310) 763-2374 (888) 813-9417 / Fax: (310) 763-4450

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
7	51439152						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (45 %) Fibrous Glass (35 %)		**Asbestos (ND)**					
8	51439153						
Layer: Tan Fibrous Material			**ND**				
Layer: Brown Mastic			**ND**				
Layer: Paint with Debris			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %)		**Asbestos (ND)**					
9	51439154						
Layer: Tan Fibrous Material			**ND**				
Layer: Brown Mastic			**ND**				
Layer: Paint with Debris			**ND**				
Total Composite Values of Fibrous Components: Cellulose (25 %)		**Asbestos (ND)**					
10	51439155						
Layer: Tan Fibrous Material			**ND**				
Layer: Brown Mastic			**ND**				
Layer: Paint with Debris			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %)		**Asbestos (ND)**					
11	51439156						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (45 %) Fibrous Glass (35 %)		**Asbestos (ND)**					
12	51439157						
Layer: Tan Fibrous Material			**ND**				
Layer: Brown Mastic			**ND**				
Layer: Paint with Debris			**ND**				
Total Composite Values of Fibrous Components: Cellulose (25 %)		**Asbestos (ND)**					
13	51439158						
Layer: Tan Fibrous Material			**ND**				
Layer: Brown Mastic			**ND**				
Layer: Paint with Debris			**ND**				
Total Composite Values of Fibrous Components: Cellulose (15 %)		**Asbestos (ND)**					

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Client Name: Forbess Consulting Group (FCG) **Date Printed:** 05/21/21

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
14	51439159						
Layer: Tan Fibrous Material			**ND**				
Layer: Brown Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (25 %)		**Asbestos (ND)**					
15	51439160						
Layer: Off-White Semi-Fibrous Material		Chrysotile	**3 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (3%)**					
16	51439161						
Layer: Off-White Semi-Fibrous Material		Chrysotile	**3 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (3%)**					
17	51439162						
Layer: Off-White Semi-Fibrous Material		Chrysotile	**3 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (3%)**					
18	51439163						
Layer: Off-White Semi-Fibrous Material		Chrysotile	**3 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (3%)**					
19	51439164						
Layer: Off-White Semi-Fibrous Material		Chrysotile	**3 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (3%)**					
20	51439165						
Layer: Off-White Semi-Fibrous Material		Chrysotile	**3 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (3%)**					
21	51439166						
Layer: Off-White Semi-Fibrous Material		Chrysotile	**3 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (3%)**					

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
22	51439167						
Layer: Beige Plaster			**ND**				
Layer: Paints			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
23	51439168						
Layer: Beige Plaster			**ND**				
Layer: Paints			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
24	51439169						
Layer: Beige Plaster			**ND**				
Layer: Paints			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
25	51439170						
Layer: Beige Plaster			**ND**				
Layer: Paints			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
26	51439171						
Layer: Beige Plaster			**ND**				
Layer: Paints			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
27	51439172						
Layer: Beige Plaster			**ND**				
Layer: White Plaster			**ND**				
Layer: Paints			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
28	51439173						
Layer: Beige Plaster			**ND**				
Layer: Paints			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
29	51439174						
Layer: Tan Sheet Flooring			**ND**				
Layer: Tan Mastic			**ND**				
Layer: White Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Synthetic (7 %)		**Asbestos (ND)**					

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
30	51439175						
Layer: Tan Sheet Flooring			**ND**				
Layer: Off-White Woven Material			**ND**				
Layer: Tan Mastic			**ND**				
Layer: Brown Sheet Flooring			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Synthetic (15 %)		**Asbestos (ND)**					
31	51439176						
Layer: Tan Sheet Flooring			**ND**				
Layer: Off-White Woven Material			**ND**				
Layer: Tan Mastic with Debris			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Synthetic (15 %)		**Asbestos (ND)**					
32	51439177						
Layer: Tan Sheet Flooring			**ND**				
Layer: Off-White Woven Material			**ND**				
Layer: Tan Mastic with Debris			**ND**				
Layer: White Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Synthetic (5 %)		**Asbestos (ND)**					
33	51439178						
Layer: Tan Sheet Flooring			**ND**				
Layer: Off-White Woven Material			**ND**				
Layer: Tan Mastic			**ND**				
Layer: Brown Sheet Flooring			**ND**				
Total Composite Values of Fibrous Components: Cellulose (2 %) Synthetic (15 %)		**Asbestos (ND)**					
34	51439179						
Layer: Tan Sheet Flooring			**ND**				
Layer: Off-White Woven Material			**ND**				
Layer: Tan Mastic			**ND**				
Layer: Brown Sheet Flooring			**ND**				
Layer: Tan Fibrous Backing			**ND**				
Total Composite Values of Fibrous Components: Cellulose (10 %) Synthetic (15 %)		**Asbestos (ND)**					
35	51439180						
Layer: Tan Sheet Flooring			**ND**				
Layer: Off-White Woven Material			**ND**				
Layer: Tan Mastic			**ND**				
Layer: Brown Sheet Flooring			**ND**				
Layer: Grey Mortar			**ND**				
Total Composite Values of Fibrous Components: Cellulose (2 %) Synthetic (15 %)		**Asbestos (ND)**					

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
36	51439181						
Layer: Wood with Adhesive			**ND**				
Total Composite Values of Fibrous Components: Cellulose (95 %)		**Asbestos (ND)**					
37	51439182						
Layer: Clear Mastic			**ND**				
Layer: White Plaster			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
38	51439183						
Layer: Beige Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Synthetic (Trace)		**Asbestos (ND)**					
39	51439184						
Layer: Grey Tile			**ND**				
Layer: Black Mastic			**ND**				
Layer: Brown Sheet Flooring			**ND**				
Layer: Tan Woven Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (2 %) Synthetic (15 %)		**Asbestos (ND)**					
40	51439185						
Layer: Grey Tile			**ND**				
Layer: Black Mastic			**ND**				
Layer: Brown Sheet Flooring			**ND**				
Layer: Tan Woven Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (2 %) Synthetic (15 %)		**Asbestos (ND)**					
41	51439186						
Layer: Grey Tile			**ND**				
Layer: Black Mastic			**ND**				
Layer: Brown Sheet Flooring			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
42	51439187						
Layer: White Drywall			**ND**				
Layer: Drywall Tape			**ND**				
Layer: White Skimcoat/Joint Compounds			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (25 %)		**Asbestos (ND)**					

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Client Name: Forbess Consulting Group (FCG) **Date Printed:** 05/21/21

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
43	51439188						
Layer: Brown Drywall			**ND**				
Layer: Drywall Tape			**ND**				
Layer: White Skimcoat/Joint Compounds			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %)		**Asbestos (ND)**					
44	51439189						
Layer: Brown Drywall			**ND**				
Layer: Drywall Tape			**ND**				
Layer: White Skimcoat/Joint Compounds			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (30 %)		**Asbestos (ND)**					
45	51439190						
Layer: Blue Non-Fibrous Material			**ND**				
Layer: Off-White Mastic			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
46	51439191						
Layer: Blue Non-Fibrous Material			**ND**				
Layer: Off-White Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
47	51439192						
Layer: Brown Non-Fibrous Material			**ND**				
Layer: Brown Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
48	51439193						
Layer: Dark Brown Non-Fibrous Material			**ND**				
Layer: Brown Mastic			**ND**				
Layer: Dark Brown Mastic		Anthophyllite	**Trace**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (Trace)**					
Comment: This comment applies to the Dark Brown Mastic only: Insufficient material for additional analyses.							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
49	51439194						
Layer: Dark Brown Non-Fibrous Material			**ND**				
Layer: Dark Brown Mastic		Anthophyllite	**Trace**				
Layer: Paint			**ND**				
Layer: Beige Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (Trace)**					
Comment: This comment applies to the Dark Brown Mastic only: Insufficient material for additional analyses.							
50	51439195						
Layer: Off-White Tile			**ND**				
Layer: Tan Mastic			**ND**				
Layer: Wood			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
51	51439196						
Layer: Paint			**ND**				
Layer: Dark Grey Semi-Fibrous Material			**ND**				
Layer: Off-White Tile			**ND**				
Layer: Tan Mastic			**ND**				
Layer: Wood			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Fibrous Glass (5 %)		**Asbestos (ND)**					
52	51439197						
Layer: Off-White Tile			**ND**				
Layer: Tan Mastic			**ND**				
Layer: Wood			**ND**				
Total Composite Values of Fibrous Components: Cellulose (7 %)		**Asbestos (ND)**					
53	51439198						
Layer: Beige Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
54	51439199						
Layer: White Drywall			**ND**				
Layer: Black Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (60 %)		**Asbestos (ND)**					
55	51439200						
Layer: Brown Mastic		Anthophyllite	**Trace**				
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (80 %)		**Asbestos (Trace)**					
Comment: This comment applies to the Brown Mastic only: Insufficient material for additional analyses.							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
56	51439201						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
57	51439202						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
58	51439203						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
59	51439204						
Layer: Black Tar with Debris			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
60	51439205						
Layer: Black Tar with Debris			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
61	51439206						
Layer: Black Felts			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (70 %)		**Asbestos (ND)**					
62	51439207						
Layer: Black Felts			**ND**				
Total Composite Values of Fibrous Components: Cellulose (75 %)		**Asbestos (ND)**					
63	51439208						
Layer: Black Felts			**ND**				
Total Composite Values of Fibrous Components: Cellulose (75 %)		**Asbestos (ND)**					
64	51439209						
Layer: Red-Brown Ceramic Tile			**ND**				
Layer: Multi-Layer Black Tars			**ND**				
Layer: Multi-Layer Black Felts			**ND**				
Layer: Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (35 %)		**Asbestos (ND)**					

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Client Name: Forbess Consulting Group (FCG) **Date Printed:** 05/21/21

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
65	51439210						
Layer: Red-Brown Ceramic Tile			**ND**				
Layer: Multi-Layer Black Tars			**ND**				
Layer: Multi-Layer Black Felts			**ND**				
Layer: Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (35 %)		**Asbestos (ND)**					
66	51439211						
Layer: Red-Brown Ceramic Tile			**ND**				
Layer: Multi-Layer Black Tars			**ND**				
Layer: Multi-Layer Black Felts			**ND**				
Layer: Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (25 %) Fibrous Glass (35 %)		**Asbestos (ND)**					
67	51439212						
Layer: Black Semi-Fibrous Tar		Chrysotile	**7 %**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (7%)**					
68	51439213						
Layer: Black Semi-Fibrous Tar		Chrysotile	**7 %**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (7%)**					
69	51439214						
Layer: Black Semi-Fibrous Tar			**ND**				
Layer: Stones			**ND**				
Total Composite Values of Fibrous Components: Cellulose (3 %)		**Asbestos (ND)**					
70	51439215						
Layer: Black Semi-Fibrous Tar		Chrysotile	**7 %**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (7%)**					
71	51439216						
Layer: Grey Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
72	51439217						
Layer: Grey Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

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Client Name: Forbess Consulting Group (FCG) **Date Printed:** 05/21/21

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
73	51439218						
Layer: White Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
74	51439219						
Layer: White Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
75	51439220						
Layer: Tan Putty			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
76	51439221						
Layer: Grey Putty		Chrysotile	**Trace**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (Trace)**					
77	51439222						
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

Tiffani Ludd, Laboratory Supervisor, Carson Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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SGS FORENSIC LABORATORIES

Analysis Request Form (COC)

Client Name & Address: FCG Environmental (Forbess Consulting Group, Inc.)
1009 Mercer Avenue
Ojai, CA 93023

Client No.: 7238

PO / Job#: SPVSO-58

Date: 5/17/21

Turn Around Time: Same Day / 1Day / (2Day) / 3Day / 4Day / 5Day

☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☑ PLM: ☑ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual / ☐ D5755(str/area) / ☐ D5756(str/mass)

Contact: Alan Forbess

Phone: (805) 646-1995

E-mail: aforbess@fcgenviro.com

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site Name: ISBELL MIDDLE SCHOOL

☐ Metals Analysis Matrix: Method:
Analytes:

Site Location: 221 S. 4th ST., SANTA PAULA

☐ Silica in Air ☐ w/Gravimetry
☐ Quartz Only

Comments: BUILDING A

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY: Type	Time On/Off	Avg LPM	Total Time	Sample Area / Air Volume
			A P C				
1-77	SEE	ATTACHED LOGS	A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: BF / WM Date/Time: 5/17/21

Shipped Via: ☒ Fed Ex ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By:

Date / Time: 5/17/21 3:00 pm

Relinquished By:

Date / Time:

Relinquished By:

Date / Time:

Received By:

Date / Time: 5-18-21 9:25 PDT 2024

Condition Acceptable? ☑ Yes ☐ No

Received By:

Date / Time:

Condition Acceptable? ☐ Yes ☐ No

Received By:

Date / Time:

Condition Acceptable? ☐ Yes ☐ No

FCG Environmental Inc.

Asbestos Bulk Sampling Field Log

Date:	5/17/21
Client:	SPUSD
Site:	ISBELL M.S.
Project:	SPUSD-58
Inspector(s):	BF/WM
Area/Unit:	BLDG A

Friable: Friability Codes: N=Non-friable; F=Friable
Cond: Condition Codes: G=Good; F=Fair; P=Poor

NA=Not Analyzed
ND=Detected
N=Negative

Sample #	Material Sampled	Sample Location	Quantity	Homogeneous Area	Friability	Condition
1	2X4' DROP CEILING TILE	CLASSROOM #1 1ST FLOOR	20,000 SF	CLASSROOMS, OFFICE	F	G
2		#3				
3		#7				
4		#11A				
5		#21 2ND FLOOR				
6		#17				
7		#12				
8	CEILING TILE MASTIC	CLASSROOM #1 1ST FLOOR	10,000 SF	CLASSROOMS	N	F
9		#3				
10		#7				
11	W/12" C.T.	STORE ROOM	300 SF C.T.	310 SF OF C.T.		
12		CLASSROOM 21 2ND FLOOR				

FCG Environmental Inc.

Asbestos Bulk Sampling Field Log

Date:	5/17/21
Client:	SPUSD
Site:	ISBELL M.S.
Project:	SPUSD-58
Inspector(s):	BF / WM
Area/Unit:	BLDG A

Friable: Friability Codes: N=Non-friable; F=Friable
Cond: Condition Codes: G=Good; F=Fair; P=Poor

NA=Not Analyzed
ND=Detected
N=Negative

Sample #	Material Sampled	Sample Location	Quantity	Homogeneous Area	Friability	Condition
13	CEILING TILE MASTIC	CLASSROOM #17 2ND FLOOR			N	F
14	↓ ↓	↓ #12 ↓	↓		↓	↓
15	SPRAYED ON TEXTURED CEILING PLASTER	SOUTH HALLWAY AT #11 1ST FLOOR	7300 SF	HALLWAYS	N	G
16	↓ ↓	WEST HALLWAY AT #8 ↓	↓	↓	↓	↓
17	↓ ↓	↓ ↓ AT #5	↓	↓	↓	↓
18	↓ ↓	NORTH HALLWAY AT #2 ↓	↓	↓	↓	↓
19	↓ ↓	WEST HALLWAY AT #13 2ND FLOOR	↓	↓	↓	↓
20	↓ ↓	↓ ↓ AT #112	↓	↓	↓	↓
21	↓ ↓	SOUTH HALLWAY AT #20 ↓	↓	↓	↓	↓
22	INTERIOR PLASTER WALL	CLASSROOM #14 ~~HVAC~~ CLOSET 2ND FLOOR	T/O	EXCEPT HALLWAY ~~&~~ CEILINGS	N	P
23	↓ ↓ WALL	↓ #25 HVAC CLOSET ↓	↓	↓	↓	F
24	↓ ↓ CEILING	↓ #21 ↓	↓	↓	↓	P

FCG Environmental Inc.

Asbestos Bulk Sampling Field Log

Date:	5/17/21
Client:	SPUSD
Site:	ISBELL M.S.
Project:	SPUSD-58
Inspector(s):	BF/WM
Area/Unit:	BLDG. A

Friable: Friability Codes: N=Non-friable; F=Friable
Cond: Condition Codes: G=Good; F=Fair; P=Poor

NA=Not Analyzed
ND=Detected
N=Negative

Sample #	Material Sampled	Sample Location	Quantity	Homogeneous Area	Friability	Condition
25	INTERIOR PLASTER CEILING	CLASSROOM #3 1ST FLOOR	T/O		N	P
26		#7 CEILING				
27		#4 HVAC CLOSET				
28		#9				
29	12" VFT-TAN W/ MASTIC	WEST HALLWAY AT #15 2ND FLOOR	7300 SF		N	F
30		AT #19				
31		SOUTH HALLWAY AT #22				
32		NORTH HALLWAY AT #2 1ST FLOOR				
33		WEST HALLWAY NORTH END				
34		SOUTH END				
35		SOUTH HALLWAY AT 11				
36	CARPET MASTIC	CLASSROOM #22 2ND FLOOR	850 SF	#22/ELV FOYER	N	G

FCG Environmental Inc.

Asbestos Bulk Sampling Field Log

Date:	5/17/21
Client:	SPUSD
Site:	ISBELL M. S.
Project:	SPUSD-58
Inspector(s):	BF/WM
Area/Unit:	~~BS~~ BLDG A

Friable: Friability Codes: N=Non-friable; F=Friable
Cond: Condition Codes: G=Good; F=Fair; P=Poor

NA=Not Analyzed
ND=Detected
N=Negative

Sample #	Material Sampled	Sample Location	Quantity	Homogeneous Area	Friability	Condition
37	CARPET MASTIC	ELEVATOR FOYER 1ST FLOOR	↓	#22 ↓	N	G
38	↓ ↓	CLASSROOM 22 2ND FLOOR	↓	ELV FOYER	↓	↓
39	12" VFT - GREY	OFFICE # 109 2ND FLOOR	950 SF	CLASSROOM 12	N	G
40	↓ ↓	CLASSROOM #12 ↓	↓	↓ OFFICE 109	↓	↓
41	↓ ↓	↓ ↓ CLOSET ↓	↓	↓	↓	↓
42	DRYWALL W/JOINT COMP.	SAFE CLOSET ADMIN OFFICE 1ST FLOOR		ADMIN OFFICES	N	G
43	↓ ↓	OFFICE 101 R.R. ↓		# 110/111 ↓	↓	↓
44	↓ ↓	HALLWAY TO ELEV. 2ND FLOOR		↓	↓	↓
45	6" BLUE COVEBASE W/MASTIC	OFFICE # 111 ↓		OFFICES	N	F
46	↓ ↓	ADMIN. OFFICE SAFE CLOSET 1ST FLOOR		↓	↓	↓
47	6" BROWN COVEBASE W/MASTIC	HALLWAY AT # 6 ↓		HALLWAYS	↓	↓
48	↓ ↓	OFFICE # 109 2ND FLOOR		LIMITED OFFICES	↓	↓

FCG Environmental Inc.

Asbestos Bulk Sampling Field Log

Date:	5/17/21
Client:	SPUSD
Site:	ISBELL M.S.
Project:	SPUSD-58
Inspector(s):	BF / WM
Area/Unit:	BLDG A

Friable: Friability Codes: N=Non-friable; F=Friable
Cond: Condition Codes: G=Good; F=Fair; P=Poor

NA=Not Analyzed
ND=Detected
N=Negative

Sample #	Material Sampled	Sample Location	Quantity	Homogeneous Area	Friability	Condition
49	6" BROWN COVE BASE W/MASTIC	HALLWAY AT #15 2ND FLOOR		↓	N	F
50	12" VFT BEIGE W/MASTIC	CLASSROOM #11 1ST FLOOR	1090 SF	CLASSROOM #11	N	F
51	↓ ↓ ↓	↓ ↓ ↓	↓	& 11-A	↓	↓
52	↓ ↓ ↓	↓ 11A ↓	↓	↓	↓	↓
53	FIRE PLACE BRICK	CLASSROOM #3 1ST FLOOR	T/O	CLASSROOM FIRE PLACES	N	G
54	CHALKBOARD	↓ ↓ ↓	T/O	CLASSROOMS	N	F
55	12" LARGE HOLE WALL TILE	CLASSROOM #22 2ND FLOOR	100 SF	ROOMS 22/23	F	G
56	CHIMINY SPRAYED CONCRETE	ATTIC NORTH ATTIC		ATTIC CHIMINEYS	N	G
57	↓ ↓	↓ MIDDLE ↓		↓	↓	↓
58	↓ ↓	↓ SOUTH ↓		↓	↓	↓
59	RAIN GUTTER MASTIC	NE UPPER ROOF	UNK		N	F
60	↓ ↓	SE ↓ ↓	↓		↓	↓

FCG Environmental Inc.

Asbestos Bulk Sampling Field Log

Date:	5/17/21
Client:	SPUSD
Site:	ISBELL M.S.
Project:	SPUSD-58
Inspector(s):	BF/WM
Area/Unit:	BLDG A

Friable: Friability Codes: N=Non-friable; F=Friable
Cond: Condition Codes: G=Good; F=Fair; P=Poor

NA=Not Analyzed
ND=Detected
N=Negative

Sample #	Material Sampled	Sample Location	Quantity	Homogeneous Area	Friability	Condition
61	ROOF FELT UNDER CLAY TILES	NE UPPER ROOF	T/O		N	G
62	↓	↓	↓		↓	↓
63	↓	SE UPPER ROOF	↓		↓	↓
64	ROOF LAYERS	NE LOWER ROOF - SOUTH SIDE	2600 SF	HOT MOP W/ STONES	N	G
65	↓	↓ NORTH SIDE	↓	LOWER SE/NE ROOFS	↓	↓
66	↓	SE LOWER ROOF	↓	↓	↓	↓
67	ROOF MASTIC	3" VENT PEN. NE LOWER ROOF	2 SF		N	F
68	↓	CURB CORNER ↓	8 SF		↓	↓
69	↓	PATCHING MASTIC SE LOWER ROOF	12 SF		↓	↓
70	↓	WALKWAY SUPPORT BASE MASTIC ↓	15 SF		↓	↓
71	DRIP EDGE FLASHING CAULK	FLASHING SEAMS/TOP ↓	50 SF		↓	↓
72	↓	↓ NE LOWER ROOF	↓		↓	↓

FCG Environmental Inc.

Asbestos Bulk Sampling Field Log

Date:	5/17/21
Client:	SPUSD
Site:	ISBELL M.S.
Project:	SPUSP-58
Inspector(s):	BF / WM
Area/Unit:	BLDG A

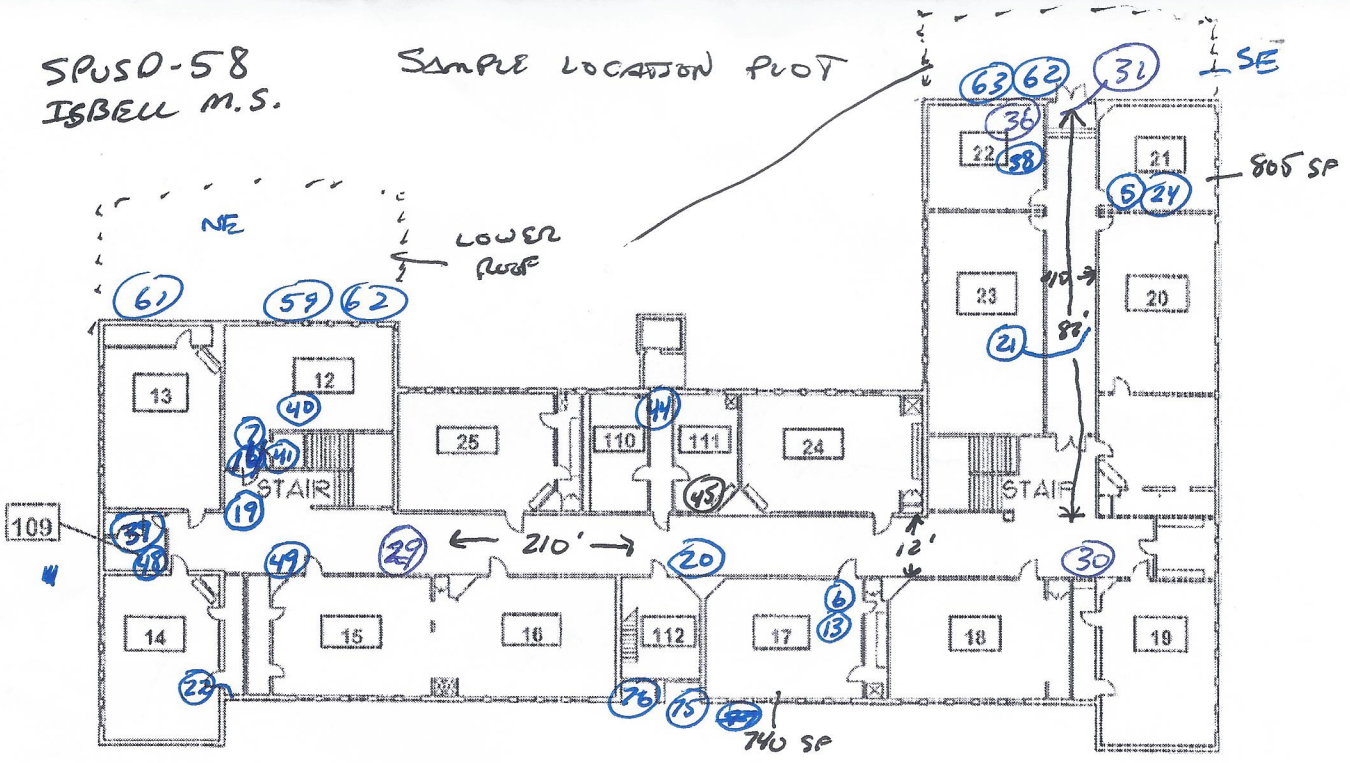
Friable: Friability Codes: N=Non-friable; F=Friable
Cond: Condition Codes: G=Good; F=Fair; P=Poor

NA=Not Analyzed
ND=Detected
N=Negative

Sample #	Material Sampled	Sample Location	Quantity	Homogeneous Area	Friability	Condition
73	EXT. WALL TEXURE	NE UPPERWALL	T/O		N	G
74	↓ ↓	SE ↓	↓		↓	↓
75	EXT WINDOW PUTTY	WEST SIDE	500 LF		N	F
76	↓ ↓ ↓	↓	↓		↓	↓
77	EXT WALL TEXTURE	WEST SIDE	T/O		↓	↓
PACM	FIRE DOORS	THORUGHOUT BLDG.	T/O		N	F
PACM	CHALKBOARD MASTIC	CLASSROOMS	T/O		N	F
PACM	ACOUSTIC WALL PANEL MASTIC	HALLWAYS	T/O		N	F

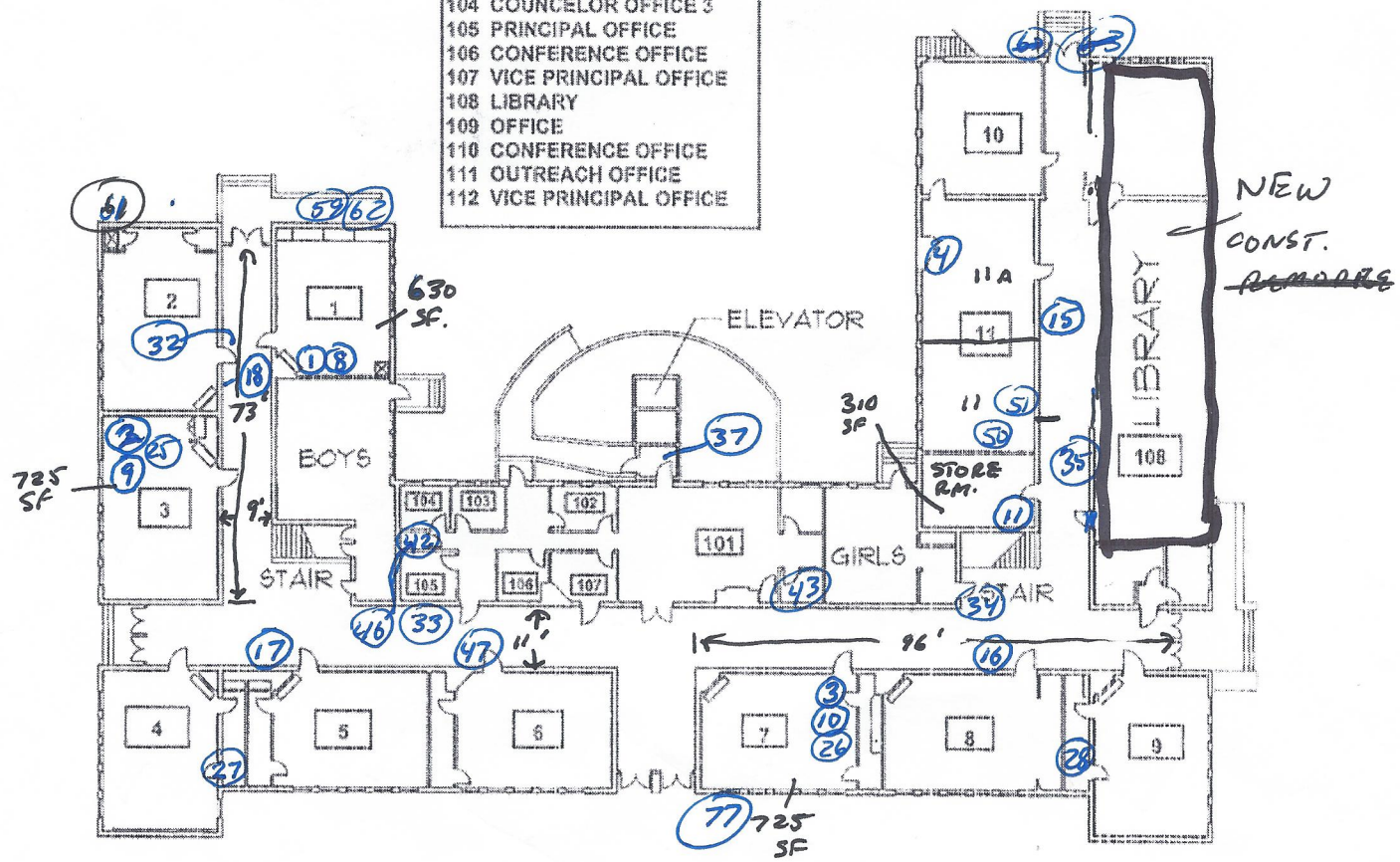
SPUSD-58
ISBELL M.S.

SAMPLE LOCATION PLOT



SECOND FLOOR PLAN - BUILDING A

101 OFFICE
102 COUNCELOR OFFICE 1
103 COUNCELOR OFFICE 2
104 COUNCELOR OFFICE 3
105 PRINCIPAL OFFICE
106 CONFERENCE OFFICE
107 VICE PRINCIPAL OFFICE
108 LIBRARY
109 OFFICE
110 CONFERENCE OFFICE
111 OUTREACH OFFICE
112 VICE PRINCIPAL OFFICE



FIRST FLOOR PLAN - BUILDING A

(BLANK = WOOD FLOORS)

12" VFT - TAN ///

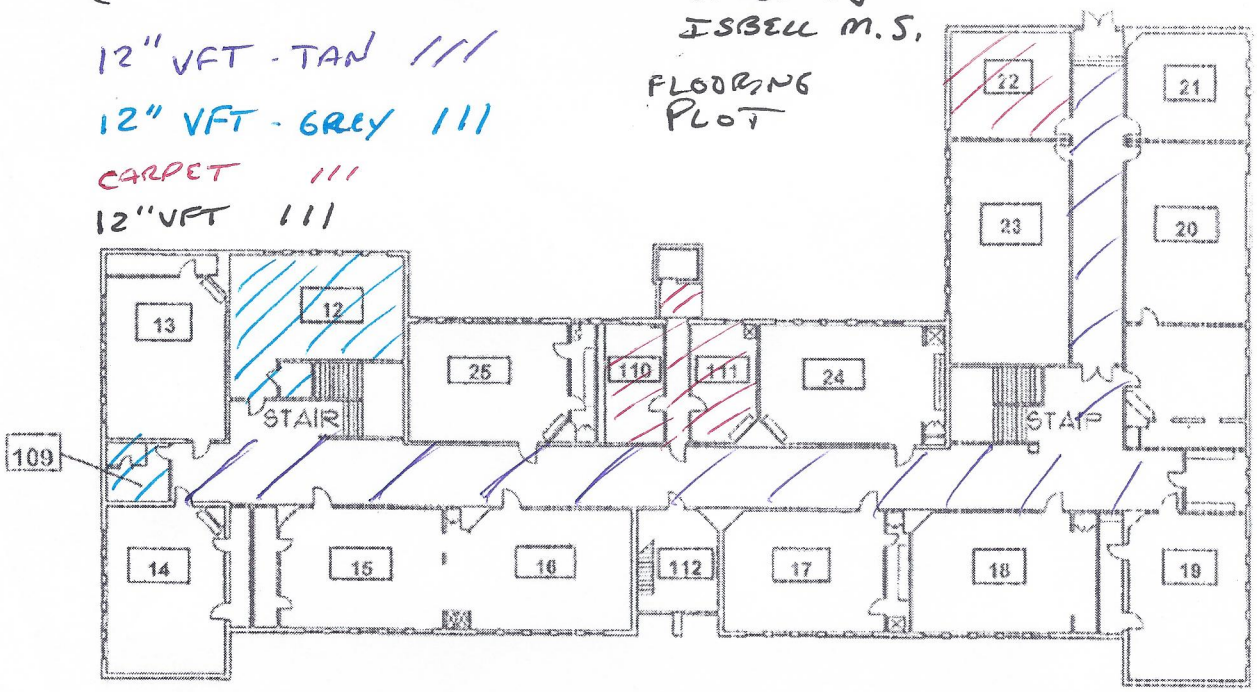
12" VFT - GREY ///

CARPET ///

12" VFT ///

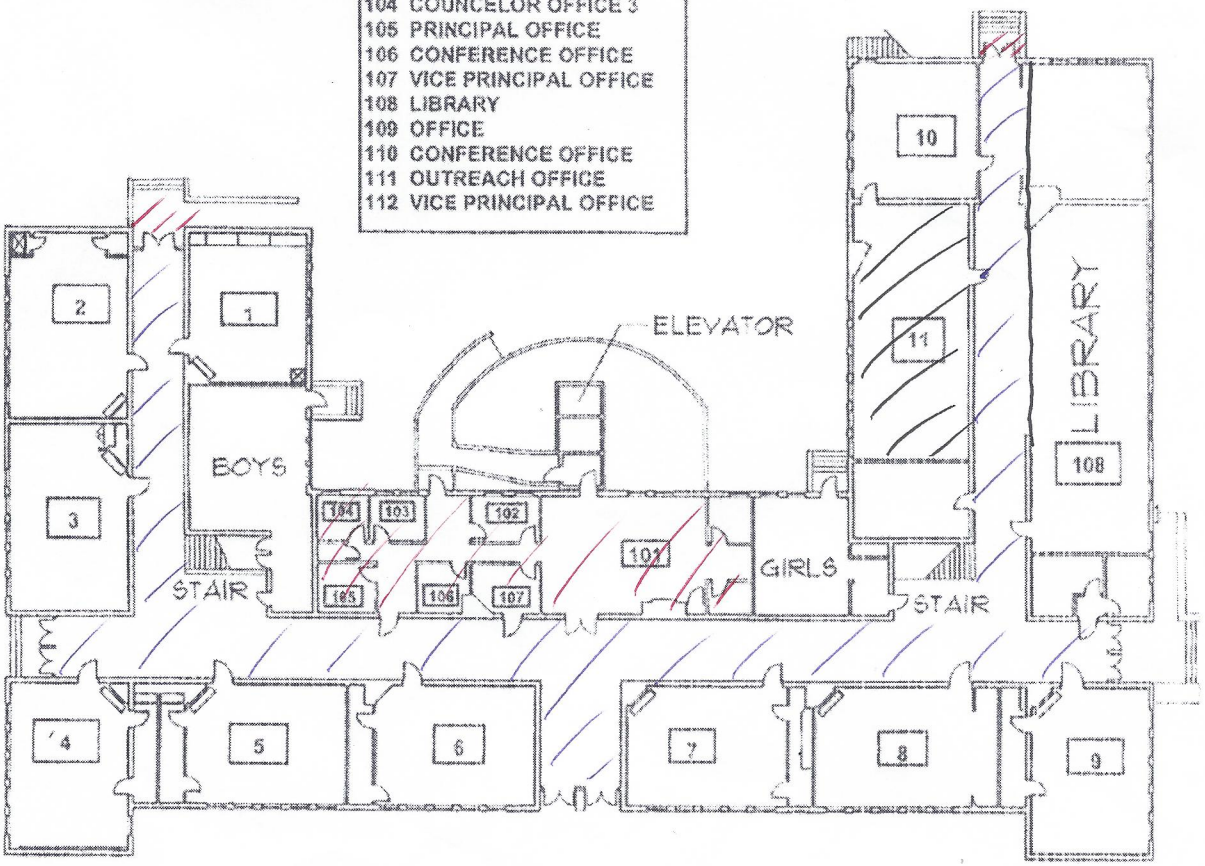
SPUSD-58
ISBELL M.S.

FLOORING PLOT



SECOND FLOOR PLAN - BUILDING A

101 OFFICE
102 COUNCELOR OFFICE 1
103 COUNCELOR OFFICE 2
104 COUNCELOR OFFICE 3
105 PRINCIPAL OFFICE
106 CONFERENCE OFFICE
107 VICE PRINCIPAL OFFICE
108 LIBRARY
109 OFFICE
110 CONFERENCE OFFICE
111 OUTREACH OFFICE
112 VICE PRINCIPAL OFFICE



FIRST FLOOR PLAN - BUILDING A

Attachment 2

XRF Field Readings from Lead Based Paint Survey

XRF Sampling Methodology

Field Plot with Lead-Based Materials

Table of XRF Lead Readings
Isbell Middle School – Main Building
221 S. 4th St. – Santa Paula, CA
[A Side = 4th St.]

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
CALIBRATE							Positive	1
CALIBRATE							Positive	1
CALIBRATE							Positive	1.1
WALL	PLASTER	A	INTACT	WHITE	FIRST	RM 1	Negative	0.4
WALL	PLASTER	B	INTACT	WHITE	FIRST	RM 1	Negative	0
WALL	PLASTER	C	INTACT	WHITE	FIRST	RM 1	Negative	0
WALL	CONCRETE	D	INTACT	WHITE	FIRST	RM 1	Negative	0.17
WINDOW FR	WOOD	D	INTACT	BLUE	FIRST	RM 1	Negative	0.4
WINDOW TR	WOOD	D	INTACT	BLUE	FIRST	RM 1	Negative	0.24
WINDOW SILL	WOOD	D	INTACT	BLUE	FIRST	RM 1	Negative	0
BASEBOARD	WOOD	A	POOR	BLUE	FIRST	RM 1	Negative	0
DOOR	WOOD	B	POOR	BLUE	FIRST	RM 1	Negative	0
DOOR FR	METAL	B	FAIR	BLUE	FIRST	RM 1	Negative	0
CABINET	WOOD	C	INTACT	WHITE	FIRST	RM 1	Negative	0.04
CABINET WALL	WOOD	C	INTACT	WHITE	FIRST	RM 1	Negative	0
TRIM	WOOD	A	INTACT	BLUE	FIRST	RM 1	Negative	0.19
CHIMNEY	CONCRETE	A	INTACT	WHITE	FIRST	RM 1	Negative	0.5
FIREPLACE	CONCRETE	A	INTACT	WHITE	FIRST	RM 1	Negative	0.18
FLOOR	WOOD	A	INTACT	BROWN	FIRST	RM 1	Negative	0
CEILING	PLASTER	A	FAIR	WHITE	FIRST	RM 1	Negative	0.01
CEILING	PLASTER	A	POOR	TAN	FIRST	BOYS RR	Negative	0.27
CEILING	PLASTER	A	POOR	TAN	FIRST	BOYS RR	Negative	0.19
WALL	CONCRETE	A	INTACT	TAN	FIRST	BOYS RR	Negative	0.24
WALL	PLASTER	B	INTACT	TAN	FIRST	BOYS RR	Negative	0.15
WALL	PLASTER	C	INTACT	TAN	FIRST	BOYS RR	Negative	0
WALL	CONCRETE	D	INTACT	TAN	FIRST	BOYS RR	Negative	0.08
FLOOR	CERAMIC TILE	D	INTACT	GREY	FIRST	BOYS RR	Negative	0

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	**CERAMIC TILE**	**A**	**INTACT**	**WHITE**	**FIRST**	**BOYS RR**	**Positive**	**6**
WALL	**CERAMIC TILE**	**B**	**INTACT**	**WHITE**	**FIRST**	**BOYS RR**	**Positive**	**5.1**
WALL	**CERAMIC TILE**	**C**	**INTACT**	**WHITE**	**FIRST**	**BOYS RR**	**Positive**	**8.2**
WALL	**CERAMIC TILE**	**D**	**INTACT**	**WHITE**	**FIRST**	**BOYS RR**	**Positive**	**5.7**
WALL	**CERAMIC TILE ACCENT**	**A**	**INTACT**	**BLUE**	**FIRST**	**BOYS RR**	**Positive**	**7.7**
WALL	**CERAMIC TILE ACCENT**	**B**	**INTACT**	**BLUE**	**FIRST**	**BOYS RR**	**Positive**	**7.4**
WALL	**CERAMIC TILE ACCENT**	**C**	**INTACT**	**BLUE**	**FIRST**	**BOYS RR**	**Positive**	**7**
WALL	**CERAMIC TILE ACCENT**	**D**	**INTACT**	**BLUE**	**FIRST**	**BOYS RR**	**Positive**	**8.2**
MIDDLE URINAL	PORC	D	INTACT	WHITE	FIRST	BOYS RR	Negative	0
SINK	PORC	A	INTACT	WHITE	FIRST	BOYS RR	Negative	0
TOILET	PORC	B	INTACT	WHITE	FIRST	BOYS RR	Negative	0.01
WINDOW FR	WOOD	D	POOR	TAN	FIRST	BOYS RR	Negative	0.3
WINDOW TR	WOOD	D	POOR	TAN	FIRST	BOYS RR	Negative	0.3
DOOR	WOOD	B	FAIR	TAN	FIRST	BOYS RR	Negative	0.08
DOOR TR	**WOOD**	**B**	**POOR**	**TAN**	**FIRST**	**BOYS RR**	**Positive**	**9.4**
DOOR FR	**WOOD**	**B**	**POOR**	**TAN**	**FIRST**	**BOYS RR**	**Positive**	**7.9**
DOOR FR	METAL	B	INTACT	TAN	FIRST	BOYS RR	Negative	0
WALL	PLASTER	A	INTACT	WHITE	FIRST	RM 2	Negative	-0.06
WALL	CONCRETE	B	INTACT	WHITE	FIRST	RM 2	Negative	0.14
WALL	PLASTER	C	INTACT	WHITE	FIRST	RM 2	Negative	0.09
WALL	CONCRETE	D	INTACT	WHITE	FIRST	RM 2	Negative	0
CHIMNEY	CONCRETE	D	INTACT	WHITE	FIRST	RM 2	Negative	0.13
FIREPLACE	CONCRETE	D	INTACT	WHITE	FIRST	RM 2	Negative	0.3
CABINET	WOOD	A	POOR	BLUE	FIRST	RM 2	Negative	0.15
BASEBOARD	WOOD	B	POOR	BLUE	FIRST	RM 2	Negative	0.27
WINDOW FR	WOOD	B	FAIR	BLUE	FIRST	RM 2	Negative	0.2
WINDOW TR	WOOD	B	FAIR	BLUE	FIRST	RM 2	Negative	0.23
DOOR	WOOD	D	FAIR	BLUE	FIRST	RM 2	Negative	0
DOOR FR	METAL	D	FAIR	BLUE	FIRST	RM 2	Negative	0

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
TRIM	METAL	D	FAIR	BLUE	FIRST	RM 2	Negative	0
CEILING	PLASTER	D	FAIR	WHITE	FIRST	RM 2	Negative	0.4
FLOOR	WOOD	D	FAIR	BROWN	FIRST	RM 2	Negative	0
FLOOR	WOOD	D	FAIR	BROWN	FIRST	RM 3	Negative	0
CEILING	PLASTER	D	FAIR	WHITE	FIRST	RM 3	Negative	0.2
WALL	CONCRETE	A	INTACT	WHITE	FIRST	RM 3	Negative	0.19
WALL	CONCRETE	B	INTACT	WHITE	FIRST	RM 3	Negative	0.29
WALL	PLASTER	C	INTACT	WHITE	FIRST	RM 3	Negative	0.18
WALL	PLASTER	D	INTACT	WHITE	FIRST	RM 3	Negative	0.23
BASEBOARD	WOOD	D	POOR	BLUE	FIRST	RM 3	Negative	0.26
TRIM	WOOD	D	POOR	BLUE	FIRST	RM 3	Negative	0.19
WINDOW F	WOOD	B	FAIR	BLUE	FIRST	RM 3	Negative	0.26
WINDOW TR	WOOD	B	FAIR	BLUE	FIRST	RM 3	Negative	0.4
CHIMNEY	CONCRETE	D	FAIR	WHITE	FIRST	RM 3	Negative	0.26
FIREPLACE	CONCRETE	D	FAIR	WHITE	FIRST	RM 3	Negative	0.26
DOOR	WOOD	D	FAIR	BROWN	FIRST	RM 3	Negative	0
DOOR FR	WOOD	D	FAIR	BLUE	FIRST	RM 3	Negative	0.24
DOOR JM	WOOD	D	FAIR	BLUE	FIRST	RM 3	Negative	0.27
WALL	CONCRETE	A	FAIR	WHITE	FIRST	MAIN HALLWAY	Negative	0.4
WALL	CONCRETE	B	FAIR	WHITE	FIRST	MAIN HALLWAY	Negative	0.5
WALL	CONCRETE	B	FAIR	WHITE	FIRST	MAIN HALLWAY	Negative	0.4
WALL	CONCRETE	C	INTACT	WHITE	FIRST	MAIN HALLWAY	Negative	0.4
WALL	CONCRETE	D	INTACT	WHITE	FIRST	MAIN HALLWAY	Negative	0.19
COLUMN	CONCRETE	B	INTACT	WHITE	FIRST	MAIN HALLWAY	Negative	0.14
CEILING	PLASTER TEXTURE	B	INTACT	WHITE	FIRST	MAIN HALLWAY	Negative	0.02
DOOR	METAL	B	INTACT	BEIGE	FIRST	MAIN HALLWAY	Negative	0
DOOR FR	WOOD	B	INTACT	WHITE	FIRST	MAIN HALLWAY	Negative	0.23
DOOR TR	WOOD	B	INTACT	WHITE	FIRST	MAIN HALLWAY	Negative	0.6
WINDOW	METAL	B	FAIR	WHITE	FIRST	MAIN HALLWAY	Negative	0.28

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
DOOR	WOOD	A	FAIR	BROWN	FIRST	MAIN HALLWAY	Negative	0
DOOR FR	WOOD	A	INTACT	WHITE	FIRST	MAIN HALLWAY	Negative	0.19
DOOR FR	WOOD	A	INTACT	WHITE	FIRST	FRONT ENTRY	Negative	0.23
DOOR TR	WOOD	A	INTACT	WHITE	FIRST	FRONT ENTRY	Negative	0.17
DOOR	METAL	A	INTACT	BEIGE	FIRST	FRONT ENTRY	Negative	0
WINDOW	METAL	A	INTACT	WHITE	FIRST	FRONT ENTRY	Negative	0.4
WALL	CONCRETE	B	INTACT	WHITE	FIRST	FRONT ENTRY	Negative	0.16
WALL	CONCRETE	D	INTACT	WHITE	FIRST	FRONT ENTRY	Negative	-0.14
DISPLAY CASE	**WOOD**	**D**	**INTACT**	**BLUE**	**FIRST**	**FRONT ENTRY**	**Positive**	**2.3**
DISPLAY CASE	**WOOD**	**B**	**INTACT**	**BLUE**	**FIRST**	**FRONT ENTRY**	**Positive**	**1.9**
DOOR	WOOD	C	INTACT	BLUE	FIRST	FRONT ENTRY	Negative	0
DOOR FR	METAL	C	INTACT	BLUE	FIRST	FRONT ENTRY	Negative	0
WINDOW	METAL	C	INTACT	BLUE	FIRST	FRONT ENTRY	Negative	0
WALL	CONCRETE	A	INTACT	WHITE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.13
WALL	PLASTER	B	INTACT	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.24
WALL	PLASTER	C	INTACT	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.21
WALL	PLASTER	D	INTACT	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.29
BASEBOARD	WOOD	A	POOR	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.14
WINDOW FR	WOOD	A	INTACT	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.4
WINDOW TR	WOOD	A	INTACT	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.08
TRIM	WOOD	C	INTACT	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.27
DOOR TO CLOSET	WOOD	D	INTACT	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.6
DOOR FR	WOOD	D	INTACT	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.22
DOOR JM	WOOD	D	INTACT	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.3
DOOR FR	WOOD	D	INTACT	BEIGE	FIRST	RM 6 (TCHRS LNGE) CLOSET	Negative	0.29
DOOR FR	WOOD	D	INTACT	BEIGE	FIRST	RM 6 (TCHRS LNGE) CLOSET	Negative	0.27
DOOR TR	WOOD	D	INTACT	BEIGE	FIRST	RM 6 (TCHRS LNGE) CLOSET	Negative	0.13
SHELVES	WOOD	B	INTACT	BEIGE	FIRST	RM 6 (TCHRS LNGE) CLOSET	Negative	0.2
CABINET	WOOD	C	INTACT	BEIGE	FIRST	RM 6 (TCHRS LNGE) CLOSET	Negative	0.22

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	PLASTER	D	INTACT	BEIGE	FIRST	RM 6 (TCHRS LNGE) CLOSET	Negative	0.13
FLOOR	WOOD	D	INTACT	BROWN	FIRST	RM 6 (TCHRS LNGE) CLOSET	Negative	0
CHIMNEY	CONCRETE	B	INTACT	BLUE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.17
FIREPLACE MANTLE	BRICK	B	FAIR	WHITE	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0.03
I-BEAM ABOVE DROP CEILING	METAL	B	FAIR	BLK	FIRST	RM 6 (TEACHERS LOUNGE)	Negative	0
WALL	CONCRETE	A	FAIR	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0
WALL	DRYWALL	B	INTACT	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0
WALL	DRYWALL	C	INTACT	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0
WALL	DRYWALL	D	INTACT	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0
WALL	DRYWALL	A	INTACT	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0
WINDOW FR	WOOD	C	INTACT	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0.07
WINDOW TR	WOOD	C	INTACT	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0
DOOR	WOOD	A	INTACT	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0
DOOR FR	WOOD	A	INTACT	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0
DOOR FR	METAL	C	INTACT	BEIGE	FIRST	RM 101 (OFFICE) RR	Negative	0
DOOR	WOOD	C	INTACT	BEIGE	FIRST	RM 101 (OFFICE) RR	Negative	0
WALL	DRYWALL	A	INTACT	BEIGE	FIRST	RM 101 (OFFICE) RR	Negative	0
WALL	DRYWALL	B	INTACT	BEIGE	FIRST	RM 101 (OFFICE) RR	Negative	0
WALL	DRYWALL	C	INTACT	BEIGE	FIRST	RM 101 (OFFICE) RR	Negative	0
WALL	DRYWALL	D	INTACT	BEIGE	FIRST	RM 101 (OFFICE) RR	Negative	0
CEILING	DRYWALL	D	INTACT	BEIGE	FIRST	RM 101 (OFFICE) RR	Negative	0
WALL	**CERAMIC TILE**	**A**	**INTACT**	**WHITE**	**FIRST**	**RM 101 (OFFICE) RR**	**Positive**	**8.6**
WALL	**CERAMIC TILE**	**B**	**INTACT**	**WHITE**	**FIRST**	**RM 101 (OFFICE) RR**	**Positive**	**8.1**
WALL	**CERAMIC TILE**	**C**	**INTACT**	**WHITE**	**FIRST**	**RM 101 (OFFICE) RR**	**Positive**	**8.7**
WALL	**CERAMIC TILE**	**D**	**INTACT**	**WHITE**	**FIRST**	**RM 101 (OFFICE) RR**	**Positive**	**7.9**
WALL	**CERAMIC TILE ACCENT**	**A**	**INTACT**	**BLUE**	**FIRST**	**RM 101 (OFFICE) RR**	**Positive**	**6**
WALL	**CERAMIC TILE ACCENT**	**B**	**INTACT**	**BLUE**	**FIRST**	**RM 101 (OFFICE) RR**	**Positive**	**8.5**
WALL	**CERAMIC TILE ACCENT**	**C**	**INTACT**	**BLUE**	**FIRST**	**RM 101 (OFFICE) RR**	**Positive**	**5.4**
WALL	**CERAMIC TILE ACCENT**	**D**	**INTACT**	**BLUE**	**FIRST**	**RM 101 (OFFICE) RR**	**Positive**	**7**

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
FLOOR	CERAMIC TILE	D	INTACT	GREY	FIRST	RM 101 (OFFICE) RR	Negative	0
TOILET	PORC	A	INTACT	WHITE	FIRST	RM 101 (OFFICE) RR	Negative	0
SINK	PORC	A	INTACT	WHITE	FIRST	RM 101 (OFFICE) RR	Negative	0
WINDOW TR	WOOD	B	INTACT	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0
WINDOW	WOOD	B	INTACT	BEIGE	FIRST	RM 101 (OFFICE)	Negative	0
WALL	CONCRETE	A	FAIR	WHITE	FIRST	RM 7	Negative	0.3
WALL	CONCRETE	B	INTACT	WHITE	FIRST	RM 7	Negative	0.28
WALL	CONCRETE	C	INTACT	WHITE	FIRST	RM 7	Negative	0.24
WALL	CONCRETE	D	INTACT	WHITE	FIRST	RM 7	Negative	0.5
WALL	PLASTER	D	INTACT	WHITE	FIRST	RM 7	Negative	0.3
CEILING	PLASTER	D	FAIR	WHITE	FIRST	RM 7	Negative	0.28
DOOR	WOOD	D	INTACT	BLUE	FIRST	RM 7	Negative	0
DOOR FR	WOOD	D	INTACT	BLUE	FIRST	RM 7	Negative	0.22
DOOR JM	WOOD	D	INTACT	BLUE	FIRST	RM 7	Negative	0.21
DOOR TR	WOOD	D	INTACT	BLUE	FIRST	RM 7	Negative	0
TRIM	WOOD	D	INTACT	BLUE	FIRST	RM 7	Negative	0.11
BOOKCASE	WOOD	D	FAIR	BLUE	FIRST	RM 7	Negative	0.13
BASEBOARD	WOOD	D	FAIR	BLUE	FIRST	RM 7	Negative	0.23
WINDOW FR	WOOD	A	FAIR	BLUE	FIRST	RM 7	Negative	-0.01
WINDOW TR	WOOD	A	FAIR	BLUE	FIRST	RM 7	Negative	0.24
WINDOW SILL	WOOD	A	FAIR	BLUE	FIRST	RM 7	Negative	0.3
CHIMNEY	CONCRETE	B	INTACT	WHITE	FIRST	RM 7	Negative	0.2
FIREPLACE MANTLE	BRIDK	B	INTACT	WHITE	FIRST	RM 7	Negative	0.02
FLOOR	WOOD	B	INTACT	BROWN	FIRST	RM 7	Negative	0
FLOOR	CERAMIC TILE	B	INTACT	GREY	FIRST	GIRLS RR	Negative	0
WALL	**CERAMIC TILE**	**A**	**INTACT**	**WHITE**	**FIRST**	**GIRLS RR**	**Positive**	**7.1**
WALL	**CERAMIC TILE**	**B**	**INTACT**	**WHITE**	**FIRST**	**GIRLS RR**	**Positive**	**8.7**
WALL	**CERAMIC TILE**	**C**	**INTACT**	**WHITE**	**FIRST**	**GIRLS RR**	**Positive**	**10.1**
WALL	**CERAMIC TILE**	**D**	**INTACT**	**WHITE**	**FIRST**	**GIRLS RR**	**Positive**	**7.5**

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	**CERAMIC TILE ACCENT**	**A**	**INTACT**	**BLUE**	**FIRST**	**GIRLS RR**	**Positive**	**9**
WALL	**CERAMIC TILE ACCENT**	**B**	**INTACT**	**BLUE**	**FIRST**	**GIRLS RR**	**Positive**	**6**
WALL	**CERAMIC TILE ACCENT**	**C**	**INTACT**	**BLUE**	**FIRST**	**GIRLS RR**	**Positive**	**8.1**
WALL	**CERAMIC TILE ACCENT**	**D**	**INTACT**	**BLUE**	**FIRST**	**GIRLS RR**	**Positive**	**8.6**
WALL	PLASTER	A	INTACT	TAN	FIRST	GIRLS RR	Negative	0.27
WALL	DRYWALL	B	INTACT	TAN	FIRST	GIRLS RR	Negative	0
WALL	DRYWALL	C	INTACT	TAN	FIRST	GIRLS RR	Negative	0
WALL	PLASTER	C	INTACT	TAN	FIRST	GIRLS RR	Negative	0.13
WALL	PLASTER	D	INTACT	TAN	FIRST	GIRLS RR	Negative	0.08
CEILING	PLASTER	D	INTACT	TAN	FIRST	GIRLS RR	Negative	0.12
SINK	PORC	B	INTACT	TAN	FIRST	GIRLS RR	Negative	0
TOILET	PORC	C	INTACT	WHITE	FIRST	GIRLS RR	Negative	0.05
DOOR	WOOD	D	INTACT	WHITE	FIRST	GIRLS RR	Negative	0
DOOR	WOOD	D	INTACT	TAN	FIRST	GIRLS RR	Negative	0
DOOR FR	METAL	D	INTACT	TAN	FIRST	GIRLS RR	Negative	0
DOOR FR	METAL	A	INTACT	BLUE	FIRST	S STAFF HALL RR (NEW)	Negative	0
DOOR	METAL	A	INTACT	BLUE	FIRST	S STAFF HALL RR (NEW)	Negative	0
WALL	CERAMIC TILE	A	INTACT	LT BLUE	FIRST	S STAFF HALL RR (NEW)	Negative	0
WALL	CERAMIC TILE	A	INTACT	DR BLUE	FIRST	S STAFF HALL RR (NEW)	Negative	0
FLOOR	CERAMIC TILE	A	INTACT	GREY	FIRST	S STAFF HALL RR (NEW)	Negative	0
WALL	PLASTER	A	INTACT	BEIGE	FIRST	LRG STORAGE ROOM	Negative	-0.32
WALL	PLASTER	B	INTACT	BEIGE	FIRST	LRG STORAGE ROOM	Negative	0.3
WALL	PLASTER	C	INTACT	BEIGE	FIRST	LRG STORAGE ROOM	Negative	0.14
WALL	PLASTER	D	INTACT	BEIGE	FIRST	LRG STORAGE ROOM	Negative	0.14
DOOR FR	WOOD	D	INTACT	BEIGE	FIRST	LRG STORAGE ROOM	Negative	0.2
DOOR TR	**WOOD**	**D**	**INTACT**	**BEIGE**	**FIRST**	**LRG STORAGE ROOM**	**Positive**	**4.4**
DOOR JM	WOOD	D	INTACT	BEIGE	FIRST	LRG STORAGE ROOM	Negative	0.22
DOOR TR	**WOOD**	**D**	**INTACT**	**BEIGE**	**FIRST**	**LRG STORAGE ROOM**	**Positive**	**1**
CABINET	WOOD	D	POOR	GREEN	FIRST	LRG STORAGE ROOM	Negative	0.18

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	DRYWALL	A	INTACT	WHITE	FIRST	RM 11A	Negative	0
WALL	PLASTER	B	INTACT	WHITE	FIRST	RM 11A	Negative	0.17
WALL	**PLASTER**	**C**	**INTACT**	**WHITE**	**FIRST**	**RM 11A**	**Positive**	**3.5**
WALL	**PLASTER**	**C**	**INTACT**	**WHITE**	**FIRST**	**RM 11A**	**Positive**	**2.4**
WALL	PLASTER	D	INTACT	WHITE	FIRST	RM 11A	Negative	0.17
CHIMNEY	CONCRETE	C	INTACT	WHITE	FIRST	RM 11A	Negative	0.08
FIREPLACE MANTLE	BRICK	C	INTACT	WHITE	FIRST	RM 11A	Negative	0.06
WINDOW FR	**WOOD**	**C**	**INTACT**	**BLUE**	**FIRST**	**RM 11A**	**Positive**	**4.1**
WINDOW TR	WOOD	C	INTACT	BLUE	FIRST	RM 11A	Negative	0.16
WINDOW FR	**WOOD**	**C**	**INTACT**	**BLUE**	**FIRST**	**RM 11A**	**Positive**	**3.7**
DOOR	WOOD	D	INTACT	BLUE	FIRST	RM 11A	Negative	0
DOOR FR	**WOOD**	**D**	**POOR**	**BLUE**	**FIRST**	**RM 11A**	**Positive**	**3.9**
DOOR JM	WOOD	D	POOR	BLUE	FIRST	RM 11A	Negative	0.15
WALL	PLASTER	D	INTACT	WHITE	FIRST	SOUTH HALLWAY	Negative	0.18
WALL	PLASTER	B	INTACT	WHITE	FIRST	SOUTH HALLWAY	Negative	0.23
CEILING	PLASTER TEXTURE	B	INTACT	WHITE	FIRST	SOUTH HALLWAY	Negative	0.02
STAIRS	CONCRETE	B	INTACT	BLUE	FIRST	SOUTH HALLWAY	Negative	0
HANRAIL	WOOD	B	POOR	BLUE	FIRST	SOUTH HALLWAY	Negative	0
HANRAIL	WOOD	B	POOR	BLUE	FIRST	SOUTH HALLWAY	Negative	0.02
DOOR	METAL	C	INTACT	BEIGE	FIRST	SOUTH HALLWAY	Negative	0
DOOR FR	METAL	C	INTACT	WHITE	FIRST	SOUTH HALLWAY	Negative	0
WINDOW	METAL	C	INTACT	WHITE	FIRST	SOUTH HALLWAY	Negative	0
DOOR	WOOD	D	INTACT	WHITE	FIRST	RM 10	Negative	0
DOOR FR	WOOD	D	POOR	BLUE	FIRST	RM 10	Negative	0.13
DOOR JM	WOOD	D	POOR	BLUE	FIRST	RM 10	Negative	0.02
DOOR TR	WOOD	D	POOR	BLUE	FIRST	RM 10	Negative	0.03
BASEBOARD	WOOD	D	POOR	BLUE	FIRST	RM 10	Negative	0.08
WINDOW FR	WOOD	B	FAIR	BLUE	FIRST	RM 10	Negative	0.27
WINDOW TR	WOOD	B	FAIR	BLUE	FIRST	RM 10	Negative	0.4

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	PLASTER	A	INTACT	WHITE	FIRST	RM 10	Negative	0.21
WALL	PLASTER	B	INTACT	WHITE	FIRST	RM 10	Negative	0.28
WALL	PLASTER	C	INTACT	WHITE	FIRST	RM 10	Negative	0.13
WALL	PLASTER	D	INTACT	WHITE	FIRST	RM 10	Negative	0.04
TRIM	WOOD	C	FAIR	TAN	FIRST	RM 10	Negative	0.02
WALL	PLASTER	A	INTACT	WHITE	SECOND	MAIN HALLWAY	Negative	0.18
WALL	PLASTER	C	INTACT	WHITE	SECOND	MAIN HALLWAY	Negative	0.25
WALL	PLASTER	B	INTACT	WHITE	SECOND	MAIN HALLWAY	Negative	0.28
WALL	PLASTER	D	INTACT	WHITE	SECOND	MAIN HALLWAY	Negative	0.19
CEILING	PLASTER TEXTURE	D	INTACT	WHITE	SECOND	MAIN HALLWAY	Negative	0
DOOR	WOOD	A	INTACT	BROWN	SECOND	MAIN HALLWAY	Negative	0
DOOR FR	WOOD	A	FAIR	WHITE	SECOND	MAIN HALLWAY	Negative	0.02
DOOR TR	WOOD	A	FAIR	WHITE	SECOND	MAIN HALLWAY	Negative	0.1
COLUMN	CONCRETE	C	INTACT	WHITE	SECOND	MAIN HALLWAY	Negative	0.01
HANDRAIL	METAL	C	INTACT	BLUE	SECOND	MAIN HALLWAY	Negative	0
WALL	PLASTER	A	INTACT	BEIGE	SECOND	EAST JANITORS CLOSET	Negative	0.14
WALL	PLASTER	B	POOR	BEIGE	SECOND	EAST JANITORS CLOSET	Negative	0.13
WALL	PLASTER	C	POOR	BEIGE	SECOND	EAST JANITORS CLOSET	Negative	0.1
WALL	PLASTER	D	POOR	BEIGE	SECOND	EAST JANITORS CLOSET	Negative	0.06
WALL	PLASTER	D	POOR	BEIGE	SECOND	EAST JANITORS CLOSET	Negative	0.08
CEILING	PLASTER	D	INTACT	BEIGE	SECOND	EAST JANITORS CLOSET	Negative	0.23
CEILING	PLASTER	D	INTACT	BEIGE	SECOND	EAST JANITORS CLOSET	Negative	0.14
DOOR TR	WOOD	B	POOR	TAN	SECOND	EAST JANITORS CLOSET	Negative	0.1
CABINET	WOOD	C	POOR	TAN	SECOND	EAST JANITORS CLOSET	Negative	0.09
WINDOW FR	**WOOD**	**D**	**FAIR**	**TAN**	**SECOND**	**EAST JANITORS CLOSET**	**Positive**	**2**
WINDOW TR	WOOD	D	FAIR	TAN	SECOND	EAST JANITORS CLOSET	Negative	0.6
MOP SINK	PORC	C	POOR	WHITE	SECOND	EAST JANITORS CLOSET	Negative	0.12
WALL	PLASTER	C	INTACT	WHITE	SECOND	RM 19	Negative	0.05
WALL	PLASTER	A	INTACT	WHITE	SECOND	RM 19	Negative	-0.05

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	PLASTER	B	INTACT	WHITE	SECOND	RM 19	Negative	0.14
WALL	PLASTER	D	INTACT	WHITE	SECOND	RM 19	Negative	0.18
WINDOW FR	WOOD	D	INTACT	TAN	SECOND	RM 19	Negative	0.3
WINDOW TR	WOOD	D	INTACT	TAN	SECOND	RM 19	Negative	0.4
BASEBOARD	WOOD	D	POOR	TAN	SECOND	RM 19	Negative	0.14
TRIM	WOOD	A	INTACT	TAN	SECOND	RM 19	Negative	0.16
CHALKBOARD	**WOOD**	**A**	**FAIR**	**GREEN**	**SECOND**	**RM 19**	**Positive**	**1.2**
DOOR	WOOD	C	INTACT	BROWN	SECOND	RM 19	Negative	0
DOOR FR	WOOD	C	INTACT	TAN	SECOND	RM 19	Negative	0
DOOR TR	WOOD	C	INTACT	TAN	SECOND	RM 19	Negative	0.4
CHALKBOARD	**WOOD**	**C**	**INTACT**	**GREEN**	**SECOND**	**RM 19**	**Positive**	**1.9**
CHALKBOARD	**WOOD**	**C**	**INTACT**	**GREEN**	**SECOND**	**RM 19**	**Positive**	**1.7**
WALL	PLASTER	A	INTACT	WHITE	SECOND	RM 21	Negative	0.16
WALL	PLASTER	B	INTACT	WHITE	SECOND	RM 21	Negative	0.24
WALL	PLASTER	B	INTACT	WHITE	SECOND	RM 21	Negative	-0.03
WALL	PLASTER	C	INTACT	WHITE	SECOND	RM 21	Negative	0.15
WALL	PLASTER	D	INTACT	WHITE	SECOND	RM 21	Negative	0.23
WINDOW FR	WOOD	D	INTACT	TAN	SECOND	RM 21	Negative	0.4
WINDOW TR	WOOD	D	INTACT	TAN	SECOND	RM 21	Negative	0.23
BASEBOARD	WOOD	D	FAIR	TAN	SECOND	RM 21	Negative	0.18
TRIM	WOOD	C	FAIR	TAN	SECOND	RM 21	Negative	0.3
DOOR	WOOD	A	INTACT	TAN	SECOND	RM 21	Negative	0.4
DOOR FR	WOOD	A	INTACT	TAN	SECOND	RM 21	Negative	0
DOOR JM	WOOD	A	INTACT	TAN	SECOND	RM 21	Negative	0.4
DOOR TR	WOOD	A	INTACT	TAN	SECOND	RM 21	Negative	0.29
CEILING	PLASTER	A	POOR	WHITE	SECOND	RM 21	Negative	0.2
CEILING	PLASTER	A	POOR	WHITE	SECOND	RM 24	Negative	0.28
WALL	PLASTER	A	INTACT	WHITE	SECOND	RM 24	Negative	0.16
WALL	PLASTER	B	INTACT	WHITE	SECOND	RM 24	Negative	0.11

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	PLASTER	C	INTACT	WHITE	SECOND	RM 24	Negative	-0.14
WALL	PLASTER	D	INTACT	WHITE	SECOND	RM 24	Negative	0.2
TRIM	WOOD	D	INTACT	TAN	SECOND	RM 24	Negative	0.29
DOOR FR	WOOD	D	INTACT	TAN	SECOND	RM 24	Negative	0.2
DOOR TR	WOOD	D	INTACT	TAN	SECOND	RM 24	Negative	0.15
DOOR JM	WOOD	D	INTACT	TAN	SECOND	RM 24	Negative	0.11
BASEBOARD	WOOD	C	INTACT	TAN	SECOND	RM 24	Negative	0.16
WINDOW FR	WOOD	C	INTACT	TAN	SECOND	RM 24	Negative	0.3
WINDOW TR	WOOD	C	INTACT	TAN	SECOND	RM 24	Negative	0.21
CHALKBOARD	**WOOD**	**A**	**INTACT**	**GREEN**	**SECOND**	**RM 24**	**Positive**	**1.2**
WALL	PLASTER	A	INTACT	WHITE	SECOND	RM 111	Negative	0.4
WALL	PLASTER	B	INTACT	WHITE	SECOND	RM 111	Negative	0.02
WALL	PLASTER	C	INTACT	WHITE	SECOND	RM 111	Negative	0
WALL	PLASTER	C	INTACT	WHITE	SECOND	RM 111	Negative	0
WALL	DRYWALL	D	INTACT	WHITE	SECOND	RM 111	Negative	0
CEILING	PLASTER	D	POOR	WHITE	SECOND	RM 111	Negative	0
WINDOW FR	WOOD	C	INTACT	TAN	SECOND	RM 111	Negative	0.25
WINDOW TR	WOOD	C	INTACT	TAN	SECOND	RM 111	Negative	0.19
DOOR	METAL	D	INTACT	TAN	SECOND	RM 111	Negative	0
DOOR FR	METAL	D	INTACT	TAN	SECOND	RM 111	Negative	0
DOOR FR	METAL	C	INTACT	TAN	SECOND	RM 112 (COPY RM)	Negative	0.08
DOOR TR	WOOD	C	INTACT	TAN	SECOND	RM 112 (COPY RM)	Negative	0.23
DOOR JM	WOOD	C	INTACT	TAN	SECOND	RM 112 (COPY RM)	Negative	0.27
WINDOW	METAL	A	FAIR	BEIGE	SECOND	RM 112 (COPY RM)	Negative	0.09
WINDOW FR	METAL	A	FAIR	BEIGE	SECOND	RM 112 (COPY RM)	Negative	0.14
BASEBOARD	WOOD	C	FAIR	BEIGE	SECOND	RM 112 (COPY RM)	Negative	0.1
WALL	PLASTER	C	INTACT	BEIGE	SECOND	RM 112 (COPY RM)	Negative	0.12
WALL	PLASTER	A	INTACT	BEIGE	SECOND	RM 112 (COPY RM)	Negative	0.07
WALL	CONCRETE	B	INTACT	BEIGE	SECOND	RM 112 (COPY RM)	Negative	0.1

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	CONCRETE	D	INTACT	BEIGE	SECOND	RM 112 (COPY RM)	Negative	-0.16
CEILING	PLASTER	D	INTACT	BEIGE	SECOND	RM 112 (COPY RM)	Negative	0.08
STAIRS	WOOD	B	INTACT	BEIGE	SECOND	RM 112 (COPY RM)	Negative	0
WALL	PLASTER	A	FAIR	WHITE	SECOND	RM 14	Negative	0.21
WALL	PLASTER	B	INTACT	WHITE	SECOND	RM 14	Negative	0.4
WALL	PLASTER	C	FAIR	WHITE	SECOND	RM 14	Negative	0
WALL	PLASTER	D	FAIR	WHITE	SECOND	RM 14	Negative	0.19
DOOR	WOOD	D	FAIR	TAN	SECOND	RM 14	Negative	0
DOOR FR	WOOD	D	INTACT	TAN	SECOND	RM 14	Negative	0.25
DOOR TR	WOOD	D	INTACT	TAN	SECOND	RM 14	Negative	0.1
DOOR JM	WOOD	D	INTACT	TAN	SECOND	RM 14	Negative	0.4
BASEBOARD	WOOD	D	INTACT	TAN	SECOND	RM 14	Negative	0.17
WINDOW FR	WOOD	B	INTACT	TAN	SECOND	RM 14	Negative	0.27
WINDOW TR	WOOD	B	INTACT	TAN	SECOND	RM 14	Negative	0.26
TRIM	WOOD	C	INTACT	TAN	SECOND	RM 14	Negative	0.2
TRIM	WOOD	A	POOR	TAN	SECOND	RM 13	Negative	0.3
BASEBOARD	WOOD	B	POOR	TAN	SECOND	RM 13	Negative	0.23
WINDOW FR	WOOD	B	POOR	TAN	SECOND	RM 13	Negative	0.4
WINDOW TR	WOOD	B	POOR	TAN	SECOND	RM 13	Negative	0.4
DOOR FR	WOOD	C	POOR	TAN	SECOND	RM 13	Negative	0.08
DOOR JM	WOOD	C	POOR	TAN	SECOND	RM 13	Negative	0.3
DOOR TR	WOOD	C	POOR	TAN	SECOND	RM 13	Negative	0.4
DOOR	WOOD	C	FAIR	TAN	SECOND	RM 13	Negative	0
WALL	PLASTER	A	FAIR	WHITE	SECOND	RM 13	Negative	-0.04
WALL	PLASTER	B	FAIR	WHITE	SECOND	RM 13	Negative	0.16
WALL	PLASTER	C	POOR	WHITE	SECOND	RM 13	Negative	0.3
WALL	PLASTER	D	POOR	WHITE	SECOND	RM 13	Negative	0.25
FLOOR	WOOD	D	INTACT	BROWN	SECOND	RM 13	Negative	0
WALL	PLASTER	A	INTACT	WHITE	SECOND	RM 12	Negative	0.14

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	PLASTER	B	INTACT	WHITE	SECOND	RM 12	Negative	0.09
WALL	PLASTER	C	INTACT	WHITE	SECOND	RM 12	Negative	0.17
WALL	PLASTER	D	INTACT	WHITE	SECOND	RM 12	Negative	0.15
CABINET	WOOD	A	INTACT	WHITE	SECOND	RM 12	Negative	0.04
TRIM	WOOD	A	INTACT	TAN	SECOND	RM 12	Negative	0.12
WINDOW FR	**WOOD**	**C**	**INTACT**	**TAN**	**SECOND**	**RM 12**	**Positive**	**1.3**
WINDOW FR	**WOOD**	**C**	**INTACT**	**TAN**	**SECOND**	**RM 12**	**Positive**	**1.1**
WINDOW TR	WOOD	C	INTACT	TAN	SECOND	RM 12	Negative	0.4
BASEBOARD	WOOD	C	INTACT	WHITE	SECOND	RM 12	Negative	0.23
CABINET DOOR	WOOD	B	INTACT	TAN	SECOND	RM 12	Negative	0.24
DOOR	WOOD	D	INTACT	TAN	SECOND	RM 12	Negative	0.3
DOOR FR	WOOD	D	INTACT	TAN	SECOND	RM 12	Negative	0.09
DOOR JM	WOOD	D	INTACT	TAN	SECOND	RM 12	Negative	0.14
DOOR TR	WOOD	D	INTACT	TAN	SECOND	RM 12	Negative	0
SINK	**PORC**	**A**	**INTACT**	**WHITE**	**SECOND**	**RM 12**	**Positive**	**26.7**
CEILING	PLASTER	A	POOR	WHITE	SECOND	RM 12	Negative	0.12
WALL	CONCRETE	C	INTACT	WHITE	SECOND	OUTSIDE	Negative	0.02
WINDOW FR	**WOOD**	**C**	**FAIR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**3.9**
WINDOW TR	**WOOD**	**C**	**POOR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**4.1**
WINDOW SILL	**WOOD**	**C**	**POOR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**3.8**
DRIP EDGE FASHING	METAL	C	INTACT	WHITE	SECOND	OUTSIDE	Negative	0
DOWNSPOUT	METAL	C	INTACT	WHITE	SECOND	OUTSIDE	Negative	0.2
RAIN GUTTER	METAL	C	POOR	BROWN	SECOND	OUTSIDE	Negative	0.19
EAVES	**WOOD**	**C**	**POOR**	**WHITE**	**SECOND**	**OUTSIDE**	**Positive**	**9**
RAFTER TAILS	**WOOD**	**C**	**POOR**	**WHITE**	**SECOND**	**OUTSIDE**	**Positive**	**7.4**
CHIMNEY	CONCRETE	C	INTACT	WHITE	SECOND	OUTSIDE	Negative	0.07
WALL	CONCRETE	B	INTACT	WHITE	SECOND	OUTSIDE	Negative	0
WINDOW FR	WOOD	B	POOR	BROWN	SECOND	OUTSIDE	Negative	0.6
WINDOW FR	**WOOD**	**B**	**POOR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**1.5**

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WINDOW TR	**WOOD**	**B**	**POOR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**2**
WINDOW SILL	METAL	B	FAIR	BROWN	SECOND	OUTSIDE	Negative	0
WINDOW SILL	WOOD	B	POOR	BROWN	SECOND	OUTSIDE	Negative	0.5
WINDOW SILL	WOOD	B	POOR	BROWN	SECOND	OUTSIDE	Negative	0.03
WINDOW SILL	WOOD	B	POOR	BROWN	SECOND	OUTSIDE	Negative	0.7
WINDOW SILL	**WOOD**	**B**	**POOR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**2.3**
DOOR	METAL	B	INTACT	TAN	SECOND	OUTSIDE	Negative	0
DOOR FR	METAL	B	INTACT	BROWN	SECOND	OUTSIDE	Negative	0
STAIRS	CONCRETE	B	POOR	BROWN	SECOND	OUTSIDE	Negative	0
WINDOW FR	**WOOD**	**D**	**FAIR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**4.7**
WINDOW TR	**WOOD**	**D**	**FAIR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**4.8**
WINDOW SILL	**WOOD**	**D**	**FAIR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**5.5**
WALL	CONCRETE	D	INTACT	WHITE	SECOND	OUTSIDE	Negative	0
DOWSPOUT	METAL	B	POOR	WHITE	SECOND	OUTSIDE	Negative	0.3
DOOR	METAL	D	INTACT	TAN	SECOND	OUTSIDE	Negative	0
DOOR FR	METAL	D	INTACT	BROWN	SECOND	OUTSIDE	Negative	0
WALL	**CERAMICE TILE DECOR**	**C**	**INTACT**	**GREEN**	**SECOND**	**OUTSIDE**	**Positive**	**3.5**
WALL	CERAMICE TILE DECOR	C	INTACT	BLUE	SECOND	OUTSIDE	Negative	0.01
WALL	**CERAMICE TILE DECOR**	**C**	**INTACT**	**BLUE**	**SECOND**	**OUTSIDE**	**Positive**	**4.1**
WINDOW FR	**WOOD**	**A**	**POOR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**3.5**
WINDOW TR	**WOOD**	**A**	**POOR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**3.9**
WINDOW SILL	**WOOD**	**A**	**POOR**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**4.2**
WALL	CONCRETE	A	INTACT	WHITE	SECOND	OUTSIDE	Negative	0
DOOR	METAL	A	INTACT	TAN	SECOND	OUTSIDE	Negative	0
DOOR FR	**WOOD**	**A**	**INTACT**	**BROWN**	**SECOND**	**OUTSIDE**	**Positive**	**1.3**
WINDOW	METAL	A	FAIR	BROWN	SECOND	OUTSIDE	Negative	1
WINDOW FR	METAL	A	FAIR	BROWN	SECOND	OUTSIDE	Negative	1.1
FRONT WALL	CONCRETE	A	POOR	WHITE	SECOND	OUTSIDE	Negative	0.01
FRONT WALL	CONCRETE	A	POOR	WHITE	SECOND	OUTSIDE	Negative	0

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
COLUMN TOP	CONCRETE	A	POOR	BROWN	SECOND	OUTSIDE	Negative	0
CALIBRATE							Positive	1
CALIBRATE							Positive	1
CALIBRATE							Positive	1

Table of Positive XRF Lead Readings
Isbell Middle School – Main Building
221 S. 4th St. – Santa Paula, CA
[A Side = 4th St.]

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	CERAMIC TILE	A	INTACT	WHITE	FIRST	BOYS RR	Positive	6
WALL	CERAMIC TILE	B	INTACT	WHITE	FIRST	BOYS RR	Positive	5.1
WALL	CERAMIC TILE	C	INTACT	WHITE	FIRST	BOYS RR	Positive	8.2
WALL	CERAMIC TILE	D	INTACT	WHITE	FIRST	BOYS RR	Positive	5.7
WALL	CERAMIC TILE ACCENT	A	INTACT	BLUE	FIRST	BOYS RR	Positive	7.7
WALL	CERAMIC TILE ACCENT	B	INTACT	BLUE	FIRST	BOYS RR	Positive	7.4
WALL	CERAMIC TILE ACCENT	C	INTACT	BLUE	FIRST	BOYS RR	Positive	7
WALL	CERAMIC TILE ACCENT	D	INTACT	BLUE	FIRST	BOYS RR	Positive	8.2
DOOR TR	WOOD	B	POOR	TAN	FIRST	BOYS RR	Positive	9.4
DOOR FR	WOOD	B	POOR	TAN	FIRST	BOYS RR	Positive	7.9
DISPLAY CASE	WOOD	D	INTACT	BLUE	FIRST	FRONT ENTRY	Positive	2.3
DISPLAY CASE	WOOD	B	INTACT	BLUE	FIRST	FRONT ENTRY	Positive	1.9
WALL	CERAMIC TILE	A	INTACT	WHITE	FIRST	RM 101 (OFFICE) RR	Positive	8.6
WALL	CERAMIC TILE	B	INTACT	WHITE	FIRST	RM 101 (OFFICE) RR	Positive	8.1
WALL	CERAMIC TILE	C	INTACT	WHITE	FIRST	RM 101 (OFFICE) RR	Positive	8.7
WALL	CERAMIC TILE	D	INTACT	WHITE	FIRST	RM 101 (OFFICE) RR	Positive	7.9
WALL	CERAMIC TILE ACCENT	A	INTACT	BLUE	FIRST	RM 101 (OFFICE) RR	Positive	6
WALL	CERAMIC TILE ACCENT	B	INTACT	BLUE	FIRST	RM 101 (OFFICE) RR	Positive	8.5
WALL	CERAMIC TILE ACCENT	C	INTACT	BLUE	FIRST	RM 101 (OFFICE) RR	Positive	5.4
WALL	CERAMIC TILE ACCENT	D	INTACT	BLUE	FIRST	RM 101 (OFFICE) RR	Positive	7
WALL	CERAMIC TILE	A	INTACT	WHITE	FIRST	GIRLS RR	Positive	7.1
WALL	CERAMIC TILE	B	INTACT	WHITE	FIRST	GIRLS RR	Positive	8.7
WALL	CERAMIC TILE	C	INTACT	WHITE	FIRST	GIRLS RR	Positive	10.1
WALL	CERAMIC TILE	D	INTACT	WHITE	FIRST	GIRLS RR	Positive	7.5
WALL	CERAMIC TILE ACCENT	A	INTACT	BLUE	FIRST	GIRLS RR	Positive	9
WALL	CERAMIC TILE ACCENT	B	INTACT	BLUE	FIRST	GIRLS RR	Positive	6
WALL	CERAMIC TILE ACCENT	C	INTACT	BLUE	FIRST	GIRLS RR	Positive	8.1

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WALL	CERAMIC TILE ACCENT	D	INTACT	BLUE	FIRST	GIRLS RR	Positive	8.6
DOOR TR	WOOD	D	INTACT	BEIGE	FIRST	LRG STORAGE ROOM	Positive	4.4
DOOR TR	WOOD	D	INTACT	BEIGE	FIRST	LRG STORAGE ROOM	Positive	1
WALL	PLASTER	C	INTACT	WHITE	FIRST	RM 11A	Positive	3.5
WALL	PLASTER	C	INTACT	WHITE	FIRST	RM 11A	Positive	2.4
WINDOW FR	WOOD	C	INTACT	BLUE	FIRST	RM 11A	Positive	4.1
WINDOW FR	WOOD	C	INTACT	BLUE	FIRST	RM 11A	Positive	3.7
DOOR FR	WOOD	D	POOR	BLUE	FIRST	RM 11A	Positive	3.9
WINDOW FR	WOOD	D	FAIR	TAN	SECOND	EAST JANITORS CLOSET	Positive	2
CHALKBOARD	WOOD	A	FAIR	GREEN	SECOND	RM 19	Positive	1.2
CHALKBOARD	WOOD	C	INTACT	GREEN	SECOND	RM 19	Positive	1.9
CHALKBOARD	WOOD	C	INTACT	GREEN	SECOND	RM 19	Positive	1.7
CHALKBOARD	WOOD	A	INTACT	GREEN	SECOND	RM 24	Positive	1.2
WINDOW FR	WOOD	C	INTACT	TAN	SECOND	RM 12	Positive	1.3
WINDOW FR	WOOD	C	INTACT	TAN	SECOND	RM 12	Positive	1.1
SINK	PORC	A	INTACT	WHITE	SECOND	RM 12	Positive	26.7
WINDOW FR	WOOD	C	FAIR	BROWN	SECOND	OUTSIDE	Positive	3.9
WINDOW TR	WOOD	C	POOR	BROWN	SECOND	OUTSIDE	Positive	4.1
WINDOW SILL	WOOD	C	POOR	BROWN	SECOND	OUTSIDE	Positive	3.8
EAVES	WOOD	C	POOR	WHITE	SECOND	OUTSIDE	Positive	9
RAFTER TAILS	WOOD	C	POOR	WHITE	SECOND	OUTSIDE	Positive	7.4
WINDOW FR	WOOD	B	POOR	BROWN	SECOND	OUTSIDE	Positive	1.5
WINDOW TR	WOOD	B	POOR	BROWN	SECOND	OUTSIDE	Positive	2
WINDOW SILL	WOOD	B	POOR	BROWN	SECOND	OUTSIDE	Positive	2.3
WINDOW FR	WOOD	D	FAIR	BROWN	SECOND	OUTSIDE	Positive	4.7
WINDOW TR	WOOD	D	FAIR	BROWN	SECOND	OUTSIDE	Positive	4.8
WINDOW SILL	WOOD	D	FAIR	BROWN	SECOND	OUTSIDE	Positive	5.5
WALL	CERAMICE TILE DECOR	C	INTACT	GREEN	SECOND	OUTSIDE	Positive	3.5
WALL	CERAMICE TILE DECOR	C	INTACT	BLUE	SECOND	OUTSIDE	Positive	4.1

Component	Substrate	Side	Condition	Color	Floor	Area	Results	Lead mg/cm²
WINDOW FR	WOOD	A	POOR	BROWN	SECOND	OUTSIDE	Positive	3.5
WINDOW TR	WOOD	A	POOR	BROWN	SECOND	OUTSIDE	Positive	3.9
WINDOW SILL	WOOD	A	POOR	BROWN	SECOND	OUTSIDE	Positive	4.2
DOOR FR	WOOD	A	INTACT	BROWN	SECOND	OUTSIDE	Positive	1.3

XRF Sampling Methodology: All inspections include a visual inspection of site surfaces to identify painted components and general site conditions. Field testing is performed by a CA Certified Lead Inspector/Assessor using a Niton X-Ray fluorescence (XRF) lead paint analyzer. The XRF sampling method uses a field instrument (X-Ray Fluorescence or XRF gun) to characterize suspect painted surfaces and components. XRF equipment is used to sample materials suspected of being coated with lead-based paint and lead-containing materials by "reading" the suspect materials through direct contact. The advantage of this method is that it provides instantaneous results and is a non-destructive method which allows for the collection of as many samples as time allows for the daily cost of the instrument. This survey method can also identify lead in ceramic tiles, porcelain or other suspect building materials. The survey attempts to define the extent of LBP and estimate quantities where possible. Paint is determined positive using the CA Dept. of Health Services criteria of 1.0 milligrams per square centimeter (mg/cm^2). During the survey, the front or main side of the building is typically designated as the "A" side, with the remaining sides designated as "B", "C" and "D" continuing in a clockwise manner. Where appropriate, a field sketch or plot plan is provided.

Instrument Calibration: The calibration of the Niton XLP 300A X-Ray fluorescence (XRF) instrument is done in accordance with the Performance Characteristic Sheet (PCS) for this instrument. These XRF instruments are calibrated using a calibration standard block of known lead content. Three calibration readings are taken before and after each property is tested to ensure manufacturer's standards are met. If the inspection is longer than 4 hours, a set of 3 calibration readings must be taken before the 4 hours expires, and then an additional 3 calibration readings taken at the end of the inspection. If for any reason the instruments are not maintaining a consistent calibration reading within the manufacturer's standards for performance on the calibration block supplied by the manufacturer, manufacturer's recommendations are used to bring the instrument into calibration. If the instrument cannot be brought back into calibration, it is taken off the site and sent back to the manufacturer for repair and/or re-calibration.

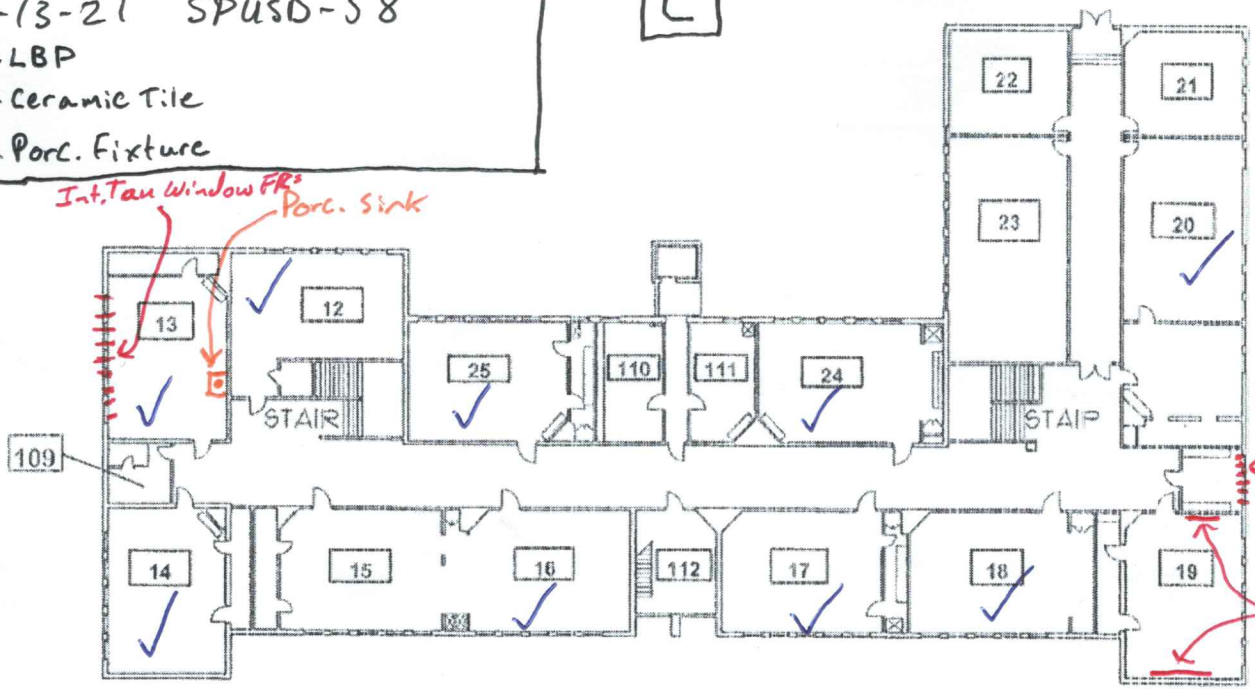
Inspector Training and Qualifications: All inspectors utilized by FCG are Certified Lead Inspectors/Assessors, having obtained certification through the *California Department of Public Health (CDPH*). All inspectors have taken a State-certified 40 hour Inspector/Assessor course and passed the State Inspector/Assessor Exam. All FCG field personnel have also been trained in the use, calibration and maintenance of the X-Ray Fluorescence (XRF) equipment they currently use, along with necessary principles of radiation safety through a training program provided by the manufacturer.

Equipment Information: The field instrument used on this project was a Niton Model XLP 300A X-Ray fluorescence (XRF) lead paint analyzer (Serial No. 10106). The Niton instrument uses a high performance, electrically-cooled, solid-state detector optimized for lead (Pb) analysis using L-shell and K-shell x-ray detection. This instrument allows for XRF spectrum analysis in the field with automatic Positive/Negative decision and automatic corrections for substrate bias and age of source. All negative classifications in all paint-test modes are verified by negative K-shell x-ray readings. Please see Attachment 2 for a copy of the Performance Characteristic Sheet provided by Niton for the XLp 300A instrument. This document contains detailed information regarding the XRF instrument calibration, inconclusive range or thresholds for various substrates, operating parameters and other information. For more information on the Niton Model XLP 300A instrument, please visit the following website: www.thermo.com/niton

Isbell MS - 221 S. 4th St.
5-13-21 SPUSD-58
● - LBP
● - Ceramic Tile
● - Porc. Fixture

Lead Plot

C



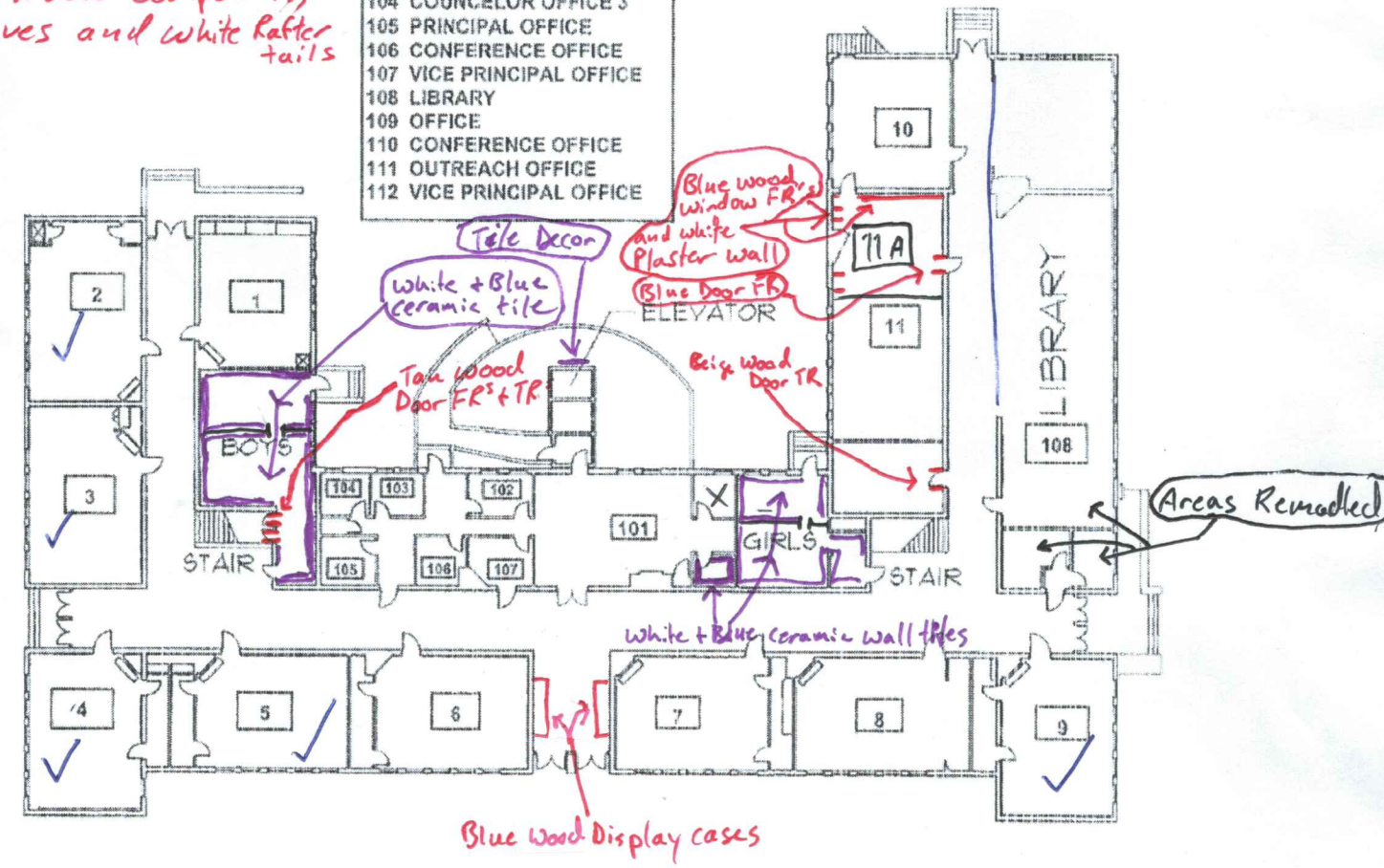
SECOND FLOOR PLAN - BUILDING A

B

D

General
All Ext. Brown wood window Components, White Eaves and white Rafter tails

101 OFFICE
102 COUNCELOR OFFICE 1
103 COUNCELOR OFFICE 2
104 COUNCELOR OFFICE 3
105 PRINCIPAL OFFICE
106 CONFERENCE OFFICE
107 VICE PRINCIPAL OFFICE
108 LIBRARY
109 OFFICE
110 CONFERENCE OFFICE
111 OUTREACH OFFICE
112 VICE PRINCIPAL OFFICE



FIRST FLOOR PLAN - BUILDING A

A

← Project North

Attachment 3

FCG Inspector Certifications

FCG Staff Certifications – William A. Miller

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

William A Miller
Name

Certification No. 07-4160

Expires on 03/22/22

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00000721	6/13/2022
	Lead Project Monitor	LRC-00000720	6/13/2022

William Miller

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.

ENCORP

NIOSH582-022508-001
Certificate Number

ENVIRONMENTAL NETWORK CORPORATION
16750 Valley View Avenue, La Mirada, California 90638
(714) 523-9811 Fax (714) 523-9810
main@encorp.net

This is to certify that

William Miller
000-00-7208

has attended and satisfactorily completed the course in
Sampling and Evaluating Airborne Asbestos Dust
NIOSH 582 Equivalent

on this day
February 29, 2008

William Bohning — *Course Instructor*

Miguel Orozco — *Laboratory Manager*

Blake Forbess Certifications 2020-2021

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Blake R Forbess
Name

Certification No. 18-6328

Expires on 11/15/21

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Blake Forbess	Lead Sampling Technician	LRC-00003725	10/31/2021

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.

APPENDIX E

Construction Noise Worksheets

Roadway Construction Noise Model (RCNM),Version 1.1

Report date ########
Case Desc Isbell Middle School - Architectural Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	85	85	85

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	215	0

	Results Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	65	61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65	61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	85	85	85

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	30	0

	Results Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	82.1	78.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	82.1	78.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date ########
Case Desc Isbell Middle School - Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	85	85	85

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	215	0
Front End Loader	No	40		79.1	215	0
Crane	No	16		80.6	215	0
Tractor	No	40	84		215	0
Tractor	No	40	84		215	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	66.4	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	66.4	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	67.9	59.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.3	67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.3	67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.3	71.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	85	85	85

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	30	0
Front End Loader	No	40		79.1	30	0
Crane	No	16		80.6	30	0
Tractor	No	40	84		30	0
Tractor	No	40	84		30	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	83.5	79.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	83.5	79.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	85	77	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	88.4	84.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	88.4	84.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	88.4	89	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date ########
Case Desc Isbell Middle School - Demolition

---- Receptor #1 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residentia	Residentia	85	85	85

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40		81.7	215	0
Tractor	No	40	84		215	0
Tractor	No	40	84		215	0
Concrete Saw	No	20		89.6	215	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	69	65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.3	67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.3	67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	76.9	69.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	76.9	73.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residentia	Residentia	85	85	85

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40		81.7	30	0
Tractor	No	40	84		30	0
Tractor	No	40	84		30	0
Concrete Saw	No	20		89.6	30	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	86.1	82.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	88.4	84.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	88.4	84.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	94	87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	94	90.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date ########
Case Desc Isbell Middle School - Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	85	85	85

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		215	0
Tractor	No	40	84		215	0
Dozer	No	40		81.7	215	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	72.3	68.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.3	67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	69	65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	72.3	71.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	85	85	85

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		30	0
Tractor	No	40	84		30	0
Dozer	No	40		81.7	30	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	89.4	85.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	88.4	84.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	86.1	82.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	89.4	89	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date ########
Case Desc Isbell Middle School - Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	85	85	85

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Drum Mixer	No	50		80	215	0
Drum Mixer	No	50		80	215	0
Drum Mixer	No	50		80	215	0
Drum Mixer	No	50		80	215	0
Paver	No	50		77.2	215	0
Roller	No	20		80	215	0
Tractor	No	40	84		215	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Drum Mixer	67.3	64.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	67.3	64.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	67.3	64.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	67.3	64.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	64.6	61.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	67.3	60.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.3	67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.3	72.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	85	85	85

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Drum Mixer	No	50		80	30	0
Drum Mixer	No	50		80	30	0
Drum Mixer	No	50		80	30	0
Drum Mixer	No	50		80	30	0
Paver	No	50		77.2	30	0
Roller	No	20		80	30	0
Tractor	No	40	84		30	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Drum Mixer	84.4	81.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	84.4	81.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	84.4	81.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	84.4	81.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	81.7	78.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	84.4	77.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	88.4	84.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	88.4	89.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

APPENDIX G

Site Access Analysis of the Isbell Middle School Modernization Project

FEHR PEERS

Memorandum

Date: November 6, 2024

To: Douglas Henning, Santa Paula Unified School District

From: Netai Basu, AICP, CTP, Sarah Brandenberg, TE and Ryan Freedman, EIT

Subject: Site Access Analysis of the Isbell Middle School Modernization Project

LA24-3569

A focused EIR is being prepared for the proposed Isbell Middle School Modernization project. The purpose of this study is to provide analysis in support of a determination on the CEQA checklist transportation-related question "Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?"

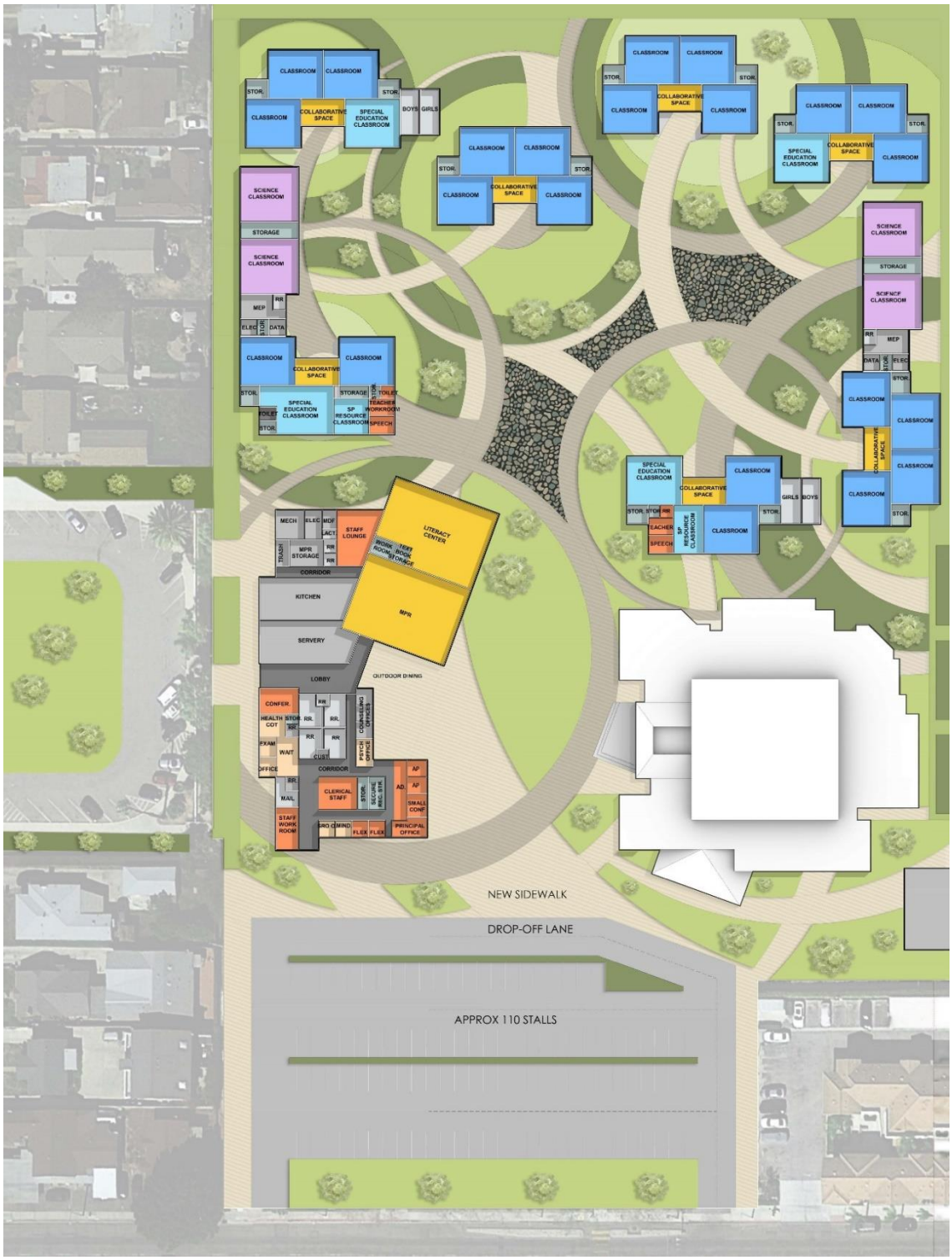
This study first describes the existing school, its setting and the changes to circulation and access proposed as part of the modernization project. Current drop-off and pick-up activities at the school are documented and collision data is analyzed for streets adjacent to the school. This information informs the impact analysis of the proposed project, which forms the conclusion of the study.

Project Description and Project Setting

Isbell Middle School is located at 221 S. 4th Street in Santa Paula and has been operating for nearly a century. The project is intended to bring the school buildings up to current seismic standards and to provide expanded and modernized educational facilities. The school currently serves approximately 700 students in grades 7 and 8, which would increase to 750 with the proposed modernization project. The conceptual site plan for the campus is shown in Figure 1.

The school site has public access from two street frontages, 4th Street and Harvard Boulevard, as shown in Figure 2. Another vehicular access point is available from Ventura Street west of 7th Street, but this is limited to maintenance staff of the School District. The main school building is oriented toward 4th Street, as reflected in its address. A semi-circular 27-space parking lot adjoins that entry and has one inbound driveway and one outbound driveway. Three spaces are

Figure 1: Conceptual Facilities Plan



Source: HMC Architects

Figure 2: Existing Campus Plan

Source: Meridian Consultants

designated for specific school staff and one is designated for police. The remaining parking spaces (two handicapped and 21 standard spaces) are unassigned. The lawn within the loop is used for overflow parking for approximately ten cars. Access is also available from the southern side of the school, through gates next to a 67-space parking lot on Harvard Boulevard. The eastern driveway of this lot serves inbound traffic and the western driveway serves outbound traffic. The parking spaces in this lot (63 standard spaces and 4 handicapped spaces) are unassigned. A perimeter fence surrounds the entire school campus and, during student loading periods, one or two school staff are present at the entries on 4th Street and on Harvard Boulevard. A bus stop used by school buses and public transit buses (Valley Express, operated by the Ventura County Transportation Commission (VCTC)) is located immediately west of the western driveway on Harvard Boulevard. VCTC is currently reviewing service on its Valley Express routes and changes may be made in the future.

Students who arrive or depart by private auto are dropped off and picked up in both parking lots and also curbside on the surrounding streets. As part of the proposed project, a formal student loading zone would be constructed in the Harvard Boulevard parking lot. The existing building housing the cafeteria and adult education office would be demolished to accommodate an enlarged parking lot, whose capacity would increase to approximately 110 spaces, and the western driveway would be relocated approximately 100 feet westward and the adjacent bus stop would be relocated to a nearby location on Harvard Boulevard. The other three existing driveways and the staff-only access on Ventura Street would be retained. The 4th Street parking lot would be repaved and restriped but would not be enlarged.

Harvard Boulevard is an east-west oriented arterial roadway which provides four travel lanes, two in each direction with left-turn lanes at intersections and a continuous two-way left turn lane along mid-block segments. Parking is generally allowed on both sides of Harvard Boulevard, but is not permitted immediately adjacent to the Harvard Boulevard parking lot. The posted speed limit is 35 mph. Sidewalks are present on both sides of the street. A striped school crossing is located adjacent to the school with push-button activated rapid repeating flashing beacon (RRFB) and two crossing refuge islands which extend to the edges of the travel way and reduce exposure of pedestrians crossing the street. In August 2024 the City of Santa Paula completed a two-year project which rebuilt and repaved a 1.7 mile segment of Harvard Boulevard, including the segment adjacent to Isbell Middle School. The area around the school is built out with residential and commercial land uses.

4th Street is a north-south oriented local street with one travel lane in each direction and no marked center line. Parking is allowed on each side of the street except during street sweeping hours. Except for the school, this area of 4th Street is exclusively residential. School crosswalks are located where 4th Street intersects Harvard Boulevard, Ventura Street and Main Street. Before and after school hours a crossing guard is present at 4th Street & Main Street.

Observations of Existing Drop-Off and Pick-Up Activities

Fehr & Peers observed the morning drop-off and afternoon pick-up activities at the Isbell Middle School site on Friday September 27, 2024 (6:50 AM to 8:25 AM and 2:00 PM to 3:00 PM). Key findings from the site observation are summarized below.

The school day begins at 7:05 AM with the optional Period 0. By 8:00 AM, when the mandatory Advisory Period begins, all students are required to be present in their classrooms. Until 8:00 AM students are allowed to enter the school from the entrances on 4th Street and on Harvard Boulevard. After that time the Harvard Boulevard entry is closed to arriving students and they must use the 4th Street entrance. After 8:05 AM students are considered tardy and must sign in before entering the school. The 4th Street entrance is the main entrance to the school and is used throughout the day. On Mondays and on minimum days, the school day ends at 12:40 PM. On other days, classes end at 2:35 PM. Adult education classes are held at Isbell Middle School Mondays through Thursdays between 4:00 PM and 8:00 PM.

The existing pick-up and drop-off maneuvers at the school are generally well organized and the operations take place with minimal impact on the surrounding street system. No school-related congestion was observed on Harvard Boulevard and, except for a period of approximately ten minutes before and after the school day, no substantial traffic backups were noted on 4th Street.

Harvard Boulevard Parking Lot and Frontage

- The campus and surrounding streets were very quiet at 6:50 AM. Only six cars were parked in the Harvard Boulevard parking lot at that time. At 7:40 the parking lot was over three-fourths full. Staff said that because the middle school now has only two grades (7th grade and 8th grade), the parking capacity at the school is generally sufficient except on days when special events occur.
- The exit driveway on Harvard Boulevard is approximately 20 feet wide and is not striped for separate lanes for drivers seeking to turn left and right. At times it was seen to function as a two-lane exit driveway but most often, due to vehicle placement, it functioned as a one-lane exit.
- The westbound aisles in the Harvard Boulevard parking lot are wide enough to allow cars to drive around other cars which are stopped for loading students. Drivers were generally cautious and drove at appropriate speeds.
- No queuing or double parking on Harvard Boulevard was observed on this day.
- Minor queuing was observed within the Harvard Boulevard parking lot and at the exit onto Harvard Boulevard.
- In the morning a few students were dropped off by parents on westbound Harvard Boulevard at the bus stop in front of the school and just to the west of the bus stop. In the afternoon, before the end of the school day, four cars were parked on the north side of Harvard Boulevard whose drivers appeared to be waiting to pick up their children.

- No student drop-offs or pick-ups were observed on the south side of Harvard Boulevard, either in the morning or in the afternoon.
- No students or other pedestrians were seen crossing Harvard Boulevard at the marked crosswalk during the drop-off and pick-up periods.
- No more than three eastbound vehicles were seen in the center two-way left-turn lane on Harvard Boulevard where drivers wait to enter the eastern driveway to the school. This occurred at 7:42 AM and the queue dissipated almost immediately.
- There are no dedicated pedestrian pathways within the Harvard Boulevard parking lot and pedestrians using the entry gate there must walk through the parking lot. There is a sidewalk adjacent to the western driveway, but the school's perimeter fence is located at the edge of the sidewalk, preventing its use by people who are not already on campus. Students coming from and going to the west were seen entering campus at the western driveway and students coming from and going to the east were seen using the eastern driveway. This behavior reduced the potential for conflicts and delay between school-related pedestrians and cars at the Harvard Boulevard parking lot driveways.
- By 2:32, shortly before the final bell, 11 waiting drivers had formed two lines of cars in each of the two aisles within the Harvard Boulevard parking lot, and two waiting drivers were seen parked in that lot.
- At 2:33 about a dozen children were attended by staff while waiting behind the gate near the western driveway from the Harvard Boulevard parking lot. When a school bus pulled into the bus stop, most of the students were escorted to the bus stop. Soon afterwards, another school bus arrived and the remaining students were escorted to the stop.
- By 2:50, 15 minutes after the final bell, nearly all of the pick-up activity was over.
- In the morning, it appeared that more drop-offs occurred in the Harvard Boulevard parking lot than in the 4th Street parking lot. In the afternoon pick-up period, much more activity occurred on the 4th Street side of the school. There were more students who left the school on foot than who arrived that way, likely because parents dropped their children off on their way to work.

4th Street Parking Lot and Frontage

- The campus and surrounding streets were very quiet at 6:50 AM. Only three cars were parked in the 4th Street parking lot at that time. At 7:40 the parking lot was over three-fourths full. At 7:52 AM the 4th Street parking lot was full, and three cars were parked in the overflow area.
- The semi-circular drive aisle through the 4th Street parking lot is not wide enough to allow cars to drive around other cars which are stopped to drop off or pick up students. Minor queuing was observed within the parking lot and at the exit onto 4th Street. Drivers were generally cautious and drove at appropriate speeds.
- No double parking on 4th Street was observed on this day.

- One midblock multi-point U-turn was observed on 4th Street in the morning.
- On southbound 4th Street, the southbound queue was seen to extend back from Harvard Boulevard to the entry driveway on 4th Street for less than two minutes in the morning and afternoon periods.
- Approximately 20 students arrived after 8:05 and had to sign-in at the 4th Street entrance.
- In the morning a few students were observed being dropped off curbside on 4th Street close to the school but almost all of the arriving cars entered the parking lot and children got out close to the school entry. In the afternoon, prior to the end of the school day, cars were parked on both sides of 4th Street with drivers waiting to pick up their children.
- In the morning, more students were seen walking toward the school on 4th Street from the north than from the south. Because they entered the school grounds using the lawn and sidewalk just north of the exit driveway on 4th Street, they did not conflict with or delay autos exiting the 4th Street parking lot.
- By 2:32, shortly before the final bell, there were four cars waiting in the 4th Street parking lot and several cars waiting at the curb on both sides of 4th Street.
- By 2:50, 15 minutes after the final bell, nearly all of the pick-up activity was over.

Summary of Collision History

A traffic collision is considered to be any event where a vehicle strikes an object while moving. That object could be another car, a pedestrian, or something fixed in place like a light post. When collisions cause damage or injury, the details are recorded by the local law enforcement agency and loaded into the California Highway Patrol Statewide Integrated Traffic Records System (SWITRS). The Transportation Injury Mapping System (TIMS) is a map-based interface for SWITRS data. Data is available from January 1, 2012 through March 31, 2024, a period of over 13 years.

A collision analysis using data collected from SWITRS was conducted for the streets fronting Isbell Middle School:

- Harvard Boulevard between 4th Street and 7th Street
- 4th Street between Harvard Boulevard and Ventura Street

Collision data was reviewed for the entire length of each block. There were 12 documented collisions that occurred in the shaded area in Figure 3, including people driving, walking, and biking. None of the collisions resulted in serious injuries or fatalities.

Figure 3: Documented Collisions around Isbell Middle School

Source: Statewide Integrated Traffic Records System showing reported collisions between 01/01/2012 and 03/31/2024.

Table 1 shows the statistical breakdown of the party types involved in each collision. More than half of the collisions were of the vehicle-vehicle type, one third were vehicle-bicycle and one was vehicle-pedestrian. None resulted in severe injuries or fatalities.

Table 1: Parties Involved - Collisions in Project Vicinity

Collision Type	Total	Number of Severe Injuries or Fatalities
Vehicle-Vehicle	7	0
Vehicle-Pedestrian	1	0
Vehicle-Bicycle	4	0
Total	**12**	**0**

Source: Statewide Integrated Traffic Records System

Table 2 provides a breakdown of the type of collisions among the 12 collisions recorded. Two-thirds of these collisions were either "Rear End" or "Broadside".

Table 2: Type of Collision

Type of Collision	Quantity	% of Total
Head-On	1	8%
Sideswipe	1	8%
Rear End	4	33%
Broadside	5	42%
Vehicle-Pedestrian	1	8%

Source: Statewide Integrated Traffic Records System

Table 3 shows a breakdown of the Primary Collision Factor (PCF) for all 12 collisions. As shown, most collisions were due to Automobile Right of Way, followed by Unsafe Speed and Wrong Side of Road.

Table 3: Primary Collision Factor (PCF) Breakdown

PCF	Quantity	% of Total
Unsafe Speed	3	25%
Following Too Closely	1	8%
Wrong Side of Road	2	17%
Automobile Right of Way	4	33%
Pedestrian Right of Way	1	8%
Pedestrian Violation	1	8%

Source: Statewide Integrated Traffic Records System

Table 4 provides a breakdown of the day of the week when the collisions occurred. All but one of the collisions occurred during months when school is normally in session. As shown, two-thirds of the collisions occurred on a weekday.

Table 4: Collision Day of Week (Excluding Summer Months)

Day of Week	Quantity	% of Total
Monday	5	42%
Tuesday	1	8%
Wednesday	0	0%
Thursday	0	0%
Friday	2	17%
Saturday	3	25%
Sunday	1	8%

Source: Statewide Integrated Traffic Records System

Of the eight collisions that occurred on weekdays, four occurred in the periods before and after school (two collisions occurred between 7:00 and 8:00 AM and two others occurred between 2:00 and 3:00 PM).

No collisions occurred in the immediate vicinity of the 4th Street driveways while five collisions occurred in the immediate vicinity of the Harvard Boulevard driveways. Therefore, an analysis of collisions which occurred immediately adjacent to the school on Harvard Boulevard was conducted, shown in Figure 4. Five documented collisions occurred in this area over the period from January 1, 2012 to March 31, 2024.

All five of these collisions were vehicle-vehicle. Three of them were rear-end collisions and two were broadside collisions. The primary collision factors noted in these five crashes were Unsafe Speed (2), Automobile Right-of-Way (2) and Following too Closely (1). Three of the collisions occurred on weekdays, while two occurred on weekend days. One of the three weekday collisions occurred during the periods before and after school.

Figure 4: Documented Collisions on Harvard Boulevard School Frontage

Source: Statewide Integrated Traffic Records System showing reported collisions between 01/01/2012 and 03/31/2024.

Impact Analysis

Under the proposed modernization project, the western driveway serving outbound trips from the Harvard Boulevard parking lot would be relocated approximately 100 feet west of its current location. The inbound driveway to that parking lot and the two driveways serving the 4th Street parking lot would remain unchanged. Educational facilities at the school would be replaced or upgraded and the main entrance would move from 4th Street to Harvard Boulevard. The existing 27-space 4th Street parking lot would be restriped and landscaped, and its use would be limited to school staff. The existing 67-space Harvard Boulevard parking lot would be expanded to 110 spaces to serve staff and visitors. A formal student loading zone would be created within the parking lot adjacent to the school entrance.

The proposed changes would not alter the existing circulation pattern of traffic on or around the school. The relocated driveway would be designed to comply with City of Santa Paula standards. Santa Paula Municipal Code (SPMC) Section 16.46.080 (B) requires that two-way driveways for commercial and similar uses be 25 feet wide and that one-way driveways for commercial and industrial uses be 20 feet wide, unless the City Engineer or the Fire Chief determine otherwise. SPMC Section 16.46.070 (F) requires that a triangular area of 10 feet on each side of a driveway be

kept clear as a clear sight triangle. The relocated driveway, shown conceptually in Figure 1, can satisfy these requirements. The driveway would intersect Harvard Boulevard at a right angle, as it currently does, and the adjacent segment of Harvard Boulevard is level and straight.

The existing bus stop is located immediately west of the western Harvard Boulevard parking lot driveway and does not present a visual obstruction for drivers exiting the parking lot. The no-parking zone east of the existing driveway allows drivers to clearly see oncoming traffic from that direction. If the bus stop were maintained at its current location, however, the bus stop would be located just east of the new driveway and the line of sight for drivers exiting the parking lot would be obstructed when it is in use. Because the bus stop is used by public transit buses as well as school buses, creating a place for school buses to load within the school grounds would not completely eliminate the potential for stopped buses to create a visual obstruction at that location.

The conceptual improvements to the Harvard Boulevard parking lot shown in Figure 1 will be further refined as the design process continues. As stated in the project description, the bus stop adjacent to the school is proposed be moved to the west of the relocated school driveway. The precise location will be identified in coordination with VCTC. A licensed civil engineer will be engaged to ensure that the relocated western driveway to the Harvard Boulevard parking lot provides adequate sight distance and complies with other applicable roadway design requirements. As with all improvements in the public right-of-way, the specific design and location of the relocated driveway and bus stop will be determined in consultation with the City of Santa Paula and will comply with City standards. Therefore, the proposed changes to site access would not substantially increase hazards due to a design feature and the impact would be less than significant.