Targeted Hazardous Material Survey Report
for
Hawaii Department of Transportation Airports Division
Daniel K. Inouye International Airport
1st, 2nd, and 3rd Level Roadway Rehabilitation
300 Rodgers Blvd.
Honolulu, Island of Oahu 96819

MNA Project 2866_2

August 23, 2021

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TARGETED HAZARDOUS MATERIAL SURVEY REPORT
FOR
HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS DIVISION
DANIEL K. INOUYE INTERNATIONAL AIRPORT
1ST, 2ND, AND 3RD LEVEL ROADWAY REHABILITATION
300 RODGERS BLVD.
HONOLULU, ISLAND OF OAHU 96819

MNA Project 2866_2

August 23, 2021

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EXECUTIVE SUMMARY

In June 2021, Myounghee Noh & Associates, L.L.C. (MNA), was retained by KAI Hawaii, Inc., to conduct a targeted hazardous material survey at the 1st, 2nd, and 3rd level roadways at the Daniel K. Inouye International Airport, Honolulu, Oahu. Targeted were those areas anticipated to be disturbed or demolished during the planned roadway rehabilitation project.

The objective of the survey was to identify the presence, extent, and conditions of hazardous materials within the roadway corridor in the areas anticipated to be disturbed, so that the information can be incorporated in the design.

In June and August 2021, MNA conducted this hazardous material survey and identified 49 suspect building materials. Based on sampling and analysis of 69 asbestos/bulk and 52 lead/paint chip samples, and a visual inspection of roadway lighting, MNA provides the following summary:

Summary of Hazardous Material Findings

Terminal 2	ACM	LCP	LBP	Arsenic
First Level Roadway Corridor				
Ewa Concourse				
Diamond Head Concourse	◙	◙		
Second Level Roadway Corridor				
Ewa Concourse	◙*	◙	◙	
Diamond Head Concourse	◙*	◙	◙	
Third Level Roadway Corridor				
Ewa Concourse	◙*	◙	◙	
Diamond Head Concourse	◙*	◙	◙	

◙ indicates presence of hazardous material
* Includes materials where one or more asbestos fibers were identified using the required point count method. While the less than 0.1% asbestos is not a regulated material, trace amounts can be a health hazard.
All roadway lighting was identified as light-emitting diode (LED). LED lighting is not suspected of containing hazardous materials, and therefore no inspections were conducted.
ACM – Asbestos-Containing Material, 1% or higher
LBP – Lead-Based Paint, ≥5,000 mg/kg
LCP – Lead-Containing Paint, <5,000 mg/kg

Based on the visual survey and sampling and analysis of suspect bulk materials and paints, special hazard control measures are warranted for work involving asbestos and lead paint. These control measures are briefly described in Section 8 Recommendations for Renovation and Construction Work. General dust, silica, and runoff controls and environmental protection are also warranted.

Paint samples were analyzed for lead content only and bulk samples were analyzed for asbestos only. There is a potential for the presence of other hazardous chemicals in the paint coatings and non-ACM materials. Contractor must anticipate hazards and take all appropriate measures to prevent exposure of site workers, the public, and the environment.

Contractors must verify, prior to bidding, the location and volumes of potentially hazardous materials and determine the appropriate dust and hazard control measures based on the area and material to be disturbed. Quantities of materials provided in this report are based on visual approximations only during the survey and should not be used for bidding purposes.

Analytical results provided in this report do not meet the requirements for waste characterizations. Contractor must coordinate with permitted landfills for waste characterization requirements.

Any ACM disturbance is considered a regulated activity. Contractors are required to comply with 29 CFR 1926.1101(k)(3)(i) to identify the presence, location, and quantity of ACM before any work is begun.

Worker protection from silica exposures is also enforced by the Occupational Safety and Health Administration. All appropriate engineering controls must be implemented, and personal protective equipment may be considered as added protection.

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1.0 INTRODUCTION

Myounghee Noh & Associates, L.L.C. (MNA), under an agreement with KAI Hawaii, Inc., conducted a targeted hazardous material survey for the 1st, 2nd, and 3rd level roadway rehabilitation project, located within the Daniel K. Inouye International Airport, Honolulu, Oahu.

MNA's survey was conducted in support of the planned roadway rehabilitation project. Targeted were those areas anticipated to be disturbed by the rehabilitation and construction work including hazardous building materials due to the suspected presence of asbestos, lead, or arsenic (Table 1)

Daniel K. Inouye International Airport Roadway Corridor
June 2021

Table 1. Anticipated Design Scope of Work

Work Anticipated
Terminal 2 Roadway - Diamond Head and Ewa Concourse
• Repaint and recoat guardrails, roadway markings, handrails, and light poles. • Repair damaged roadway corridor attributes, including concrete light poles, ceilings, walls, eaves, roadways, and roadways draining systems. • Remove and replace damage ceramic wall tiles and ceramic floor tiles within the roadway corridor. • Repair and recoat the interior of the roadside planters. • Remove and replace LED light fixtures on the roadways.

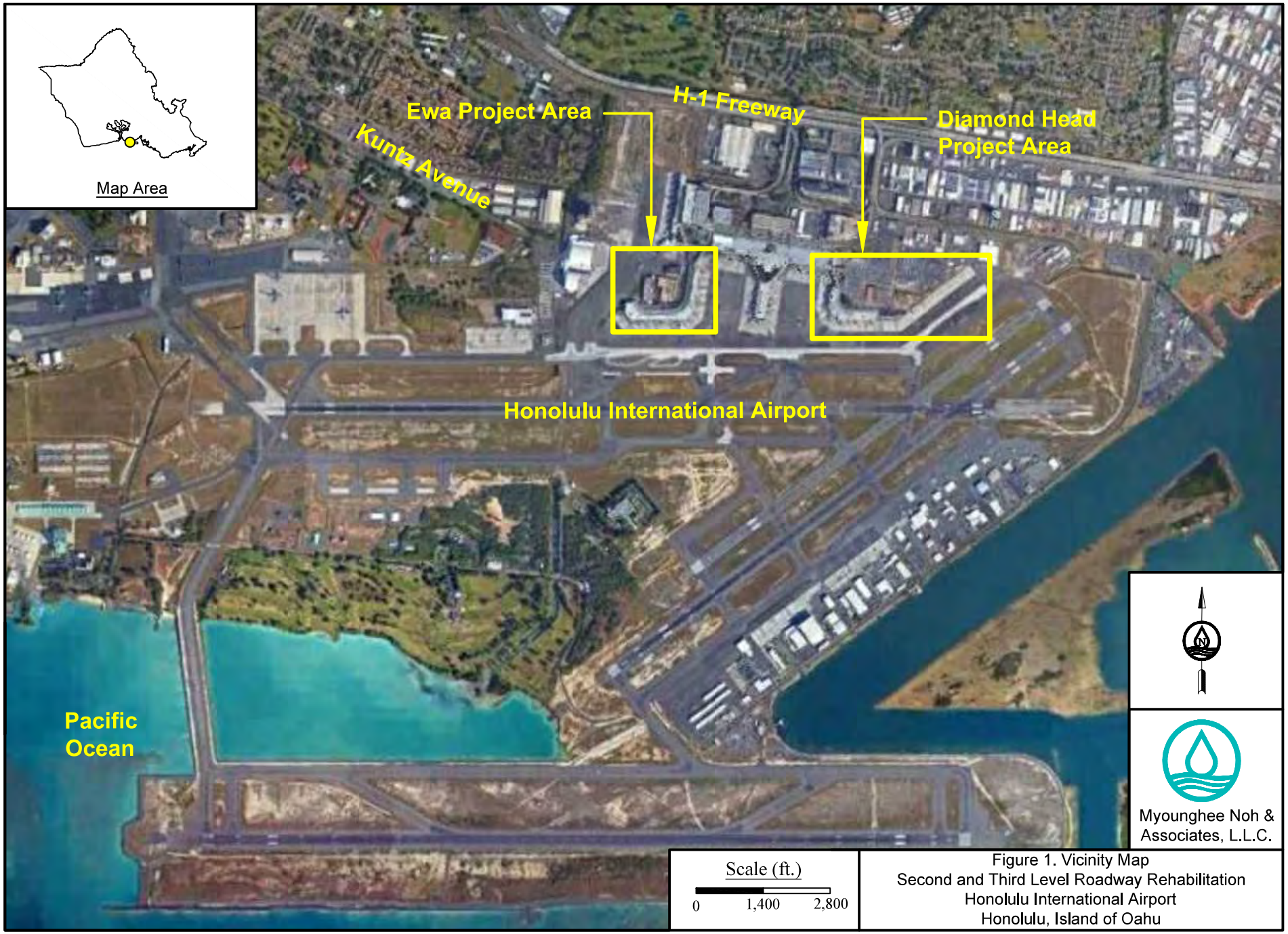


Figure 1. Vicinity Map
Second and Third Level Roadway Rehabilitation
Honolulu International Airport
Honolulu, Island of Oahu

2.0 SAMPLING AND SURVEY METHODS

In June and August 2021, State of Hawaii-certified building inspectors, Danny Falanug and Kealohilani Serrao, conducted the building material survey at Diamond Head and Ewa Concourse at Terminal 2, International Terminal. The inspectors performed a visual assessment of the project site, identified materials suspected of containing asbestos, lead, or arsenic, and collected samples of these materials. Inspector certifications are presented in Appendix A.

2.1 Identifying Homogeneous Materials

The inspectors identified building materials with the same appearance, color, and substrate as homogeneous materials. The concourse building materials are considered unique per floor/level. Building materials with the same characteristics (appearance, color, and substrate), as an identified homogeneous material, should be considered to possess the same hazard characteristics, unless specifically identified as otherwise in the report. As an example, if silver paint on metal is found to be lead-based paint (LBP), then all identical silver paint on metal in the survey area should be treated as LBP. Table 2 provides an overview of sampling and a summary of hazardous materials identified.

Table 2. Summary of Sampling and Results

Materials Sampled	Samples Submitted/ Inspected	Suspect Material Locations	Identified Hazardous Materials
First Level Roadway			
Asbestos in bulk material or paint	9	Ceiling, columns, eaves, walls	1 ACM (2% Chrysotile)
Lead in paint	8	Ceiling, columns, conduit, eaves, electrical boxes, pipes, walls	3 LCP (46 mg/kg – 250 mg/kg)
Second Level Roadway			
Asbestos in bulk material or paint	30	Ceilings, columns, eaves, floors, roadway, walls	2 ACM (5% and 20% Chrysotile) 1 material containing trace asbestos*
Lead in paint	24	Brackets, ceilings, columns, conduit, curbs, eaves, guardrails, roadway, trim, walls	7 LCP (40 mg/kg – 130,000 mg/kg) including 2 LBP (27,000 mg/kg – 130,000 mg/kg)
Third Level Roadway			
Asbestos in bulk material or paint	30	Columns, eaves, floors, roadway, walls	2 ACM (2% and 10% Chrysotile) 3 materials containing trace asbestos*
Lead in paint	20	Columns, curbs, eaves, guardrails, handrails, roadway, walls	5 LCP (56 mg/kg – 9,500 mg/kg) including 1 LBP (9,500 mg/kg)

All roadway lighting was identified as light-emitting diode (LED). LED lighting is not suspected of containing hazardous materials, and therefore no inspections were conducted.
No suspect arsenic-containing materials were identified during the survey at 1st, 2nd, or 3rd level roadway.
*Includes materials where one or more asbestos fibers were identified using the point count method. While the less than 0.1% asbestos is not a regulated material, trace amounts can be a health hazard.
ACM – Asbestos-Containing Material
LBP – Lead-Based Paint, ≥5,000 mg/kg
LCP – Lead-Containing Paint, <5,000 mg/kg
mg/kg – milligrams per kilogram (equivalent to parts per million)

2.2 Building Material Sampling

Bulk and paint samples were collected using a decontaminated chisel, razor, or hammer in a manner that minimized airborne dust. The inspectors collected triplicate samples for asbestos and duplicate samples for lead. No suspected arsenic-containing building materials were identified. Samples were placed in sealable plastic bags, labeled with a unique identification number, and recorded on a chain-of-custody. For each sample, the date, sample appearance, analyte, and sample location were recorded on a field data form. Asbestos samples were transported under chain-of-custody to LA Testing in South Pasadena, California. Lead samples were delivered under chain-of-custody to Hawaii Analytical Laboratory in Honolulu, Hawaii.

3.0 LABORATORY INFORMATION

LA Testing analyzed the asbestos samples by polarized light microscopy using the Environmental Protection Agency (EPA) Method 600/R-93/116. LA Testing, South Pasadena, is certified by:

- National Voluntary Laboratory Accreditation Program (NVLAP), certification 200232-0
- State of Hawaii Department of Health (HDOH), certification L-01-034
- American Industrial Hygienist Association (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP), certification 102814

Hawaii Analytical Laboratory analyzed the lead samples by flame atomic absorption spectroscopy using the NIOSH Method 7082m. Hawaii Analytical Laboratory, Honolulu, is certified by:

- NVLAP, certification 200655-0
- HDOH, certification L-14-002
- AIHA ELLAP, certification 101812

4.0 ASBESTOS RESULTS

Materials determined to contain greater than, or equal to, 1% asbestos are considered regulated asbestos-containing material (ACM) under the National Emission Standards for Hazardous Air Pollutants (NESHAP) as specified in 40 Code of Federal Regulations (CFR) Part 61 Subpart M. The U.S. Occupational Safety and Health Administration (OSHA) Asbestos General Industry and Construction Standards also define ACM as 1% asbestos or more by volume under 29 CFR 1910.1001 and 29 CFR 1926.1101, respectively. However, any measurable levels of asbestos fibers are considered to be a health concern, in an uncontrolled work environment.

Twenty-three homogeneous materials suspected of containing asbestos were identified and sampled, generating 69 samples for analysis. Five ACM were confirmed in the survey area, with results ranging from 2% to 20% chrysotile asbestos. Four other materials were found to contain one or more asbestos fibers using the required point counting method. While the less than 1% asbestos is not a regulated material, trace amounts can be a health hazard (Table 3).

First Level: Three homogeneous materials suspected of containing asbestos were identified and sampled, generating nine samples for analysis. One ACM, beige textured paint and skim coat on

concrete, was confirmed on the ceiling, columns, and eaves in the survey area, with a result of 2% chrysotile asbestos.

Second Level: Ten homogeneous materials suspected of containing asbestos were identified and sampled, generating 30 samples for analysis. Two ACM, black coating on concrete inside the planters and black waterproofing under concrete roadway pavement, were confirmed in the survey area, with a results of 3% and 20% chrysotile asbestos, respectively. One material, light pink textured paint and skim coat on concrete ceilings, eaves, and walls, was found to contain one or more asbestos fibers using the point count method.

Third Level: Ten homogeneous materials suspected of containing asbestos were identified and sampled, generating 30 samples for analysis. Two ACM, black mastic on concrete interior of planters and light gray mastic on concrete floors, were confirmed in the survey area, with results of 10% and 2% chrysotile asbestos, respectively. Three other materials, beige paint on concrete walls and light pink paint and skim coat on concrete ceilings, eaves, and walls, and beige paint and skim coat on concrete masonry unit (CMU), contained trace amounts of asbestos. Materials containing less than 1% asbestos can be a health hazard.

The suspected ACM descriptions and identifiers are provided in Appendix B. Sample and hazardous material location drawings are provided in Appendix C. Photographs of suspected materials are presented in Appendix D. Laboratory analytical reports, chain-of-custody, and field data forms are provided in Appendix E.

Table 3. Asbestos-Containing Material Determination

Concourse	Locations	HM ID	Material Color	Material	Substrate	Result	Condition	Estimated Quantity	Unit
First Level									
Diamond Head (DH)	Ceiling, columns, eaves	44	Beige	Paint/skim coat	Concrete	**ACM 2%**	Good	3,000	sq. ft.
DH	Walls	46	Beige	Paint/skim coat	CMU	ND	Good	2,000	sq. ft.
DH	Columns, walls	48	Lt. pink	Paint/skim coat	Concrete	ND	Good	1,000	sq. ft.
Second Level									
DH, Ewa	Ceilings, eaves, walls	2	Lt. pink	Paint/skim coat	Concrete	<0.1%*	Fair	6,000	sq. ft.
DH, Ewa	Columns, walls	4	Beige	Paint/skim coat	Concrete	ND	Good	10,000	sq. ft.
DH, Ewa	Inside Planters	12	**Black** Silver	**Coating** Paint	Concrete	**3%** ND	Poor	8,000	sq. ft.
DH, Ewa	Eaves	14	Beige	Textured paint/skim coat	Concrete	ND	Good	5,000	sq. ft.
DH, Ewa	Floors	16	Gray	Grout	3" x 9" Ceramic tile	ND	Good	1,000	sq. ft.
DH, Ewa	Walls	18	Beige	Paint/skim coat	CMU	ND	Good	1,000	sq. ft.
DH, Ewa	Roadway	19	Black	Expansion joint	Concrete	ND	Good	2,000	ln. ft.

Concourse	Locations	HM ID	Material Color	Material	Substrate	Result	Condition	Estimated Quantity	Unit
DH, Ewa	Walls	20	Gray	Grout	12" x 12" Ceramic tile	ND	Good	200	sq. ft.
Ewa	Floor	21	Lt. gray	Caulking	Concrete	ND	Good	500	ln. ft.
DH, Ewa	Roadway (under concrete pavement)	49	Black	Waterproofing	Concrete	**20%**	Fair	92,000	sq. ft.
Third Level									
DH, Ewa	Walls	23	Lt. pink	Paint/skim coat	Concrete	<0.1%*	Fair	6,000	sq. ft.
DH, Ewa	Columns, eaves, walls	25	Beige	Paint/skim coat	Concrete	<0.1%*	Good	8,000	sq. ft.
DH, Ewa	Walls	27	Beige	Paint/skim coat	CMU	<0.1%*	Good	1,000	sq. ft.
DH, Ewa	Inside Planters	29	Black	Coating/Wrap **Mastic**	Concrete	ND **10%**	Fair	3,000	sq. ft.
DH, Ewa	Floors	30	Lt. gray	Caulking **Mastic**	Concrete	ND **2%**	Fair	1,000	ln. ft.
DH, Ewa	Eaves	32	White	Textured paint/skim coat	Concrete	ND	Good	3,000	sq. ft.
DH, Ewa	Roadway	37	White and black	Expansion joint	Concrete	ND	Good	2,000	ln. ft.
DH	Walls	38	Gray	Grout	12" x 12" Ceramic tile	ND	Good	200	sq. ft.
Ewa	Roadway	40	White	Coating	Concrete	ND	Fair	20	ln. ft.
Ewa	Roadway	42	Gray	Skim coat	Concrete	ND	Fair	100	sq. ft.

* Indicates that one or more asbestos fibers were identified using the point count method. While the less than 0.1% asbestos is not a regulated material, trace amounts can be a health hazard.
Bold values indicate results above the reporting limit.
The asbestos found to be chrysotile.
Good – Material is in an "as installed" condition. It is usable as is and may show cosmetic wear and tear or fading.
Fair – Material is functional for its installed purpose but shows initial signs of deterioration beyond the cosmetic.
Poor – Material shows significant deterioration and may not be functional for its installed purpose. The binding of the material has decreased integrity as indicated by peeling, cracking, or crumbling of the material.

Abbreviations and Acronyms
ACM – Asbestos-Containing Material
HM ID – Homogeneous Material Identifier
ln. ft. – Linear Feet
ND – Not Detected
sq. ft. – Square Feet

5.0 LEAD RESULTS

The U.S. Department of Housing and Urban Development (HUD) and the EPA define paint containing 5,000 milligrams per kilogram (mg/kg), or 0.5% by weight, or more of lead to be LBP. Paint containing any measurable concentration of lead is considered to be lead-containing paint (LCP) and a health concern. When lead is detected in a multi-layer sample, it is assumed that all layers represented by the sample contain lead at the same concentration.

Twenty-six suspected lead paints were identified and sampled, generating 52 paint chip samples. Fifteen lead paint were identified in the survey area, with results ranging from 40 mg/kg to 130,000

mg/kg. Three of those paints were identified as LBP, at or above 5,000 mg/kg, the threshold for LBP (Table 4).

First Level: Four suspected lead paints were identified and sampled, generating eight paint chip samples. Three lead paints, light pink on metal conduit, electrical boxes, and pipes, and beige on concrete ceiling, columns, and eaves, and CMU walls, were identified in the survey area, with results ranging from 46 mg/kg to 250 mg/kg. None of the three lead paints were identified as LBP.

Second Level: Twelve suspected lead paints were identified and sampled, generating 24 paint chip samples. Seven lead paints were identified in the survey area, with results ranging from 40 mg/kg to 130,000 mg/kg. Two of those paints, yellow on concrete curbs and silver on metal guardrail, were identified as LBP.

Third Level: Ten suspected lead paints were identified and sampled, generating 20 paint chip samples. Five lead paints were identified in the survey area, with results ranging from 56 mg/kg to 9,500 mg/kg. One of those paints, beige on CMU walls, was identified as LBP.

Suspected LCP descriptions and identifiers are provided in Appendix B. Sample and hazardous material location drawings are in Appendix C. Photographs of suspected LCP are presented in Appendix D. Laboratory analytical reports, chain-of-custody, and field data forms are provided in Appendix E.

Table 4. Lead-Containing Paint Determination

Wings	Locations	HM ID	Material Color	Material	Substrate	Result (mg/kg)	Condition	Estimated Quantity	Unit
First Level									
Diamond Head (DH)	Conduit, electrical boxes, pipes	41	Lt. pink	Paint	Metal	**LCP 46 - 78**	Poor	1,000	ln. ft.
DH	Ceiling, columns, eaves	43	Beige	Paint	Concrete	**82 - 250**	Good	3,000	sq. ft.
DH	Walls	45	Beige	Paint	CMU	**94 - 120**	Good	2,000	sq. ft.
DH	Columns, walls	47	Lt. pink	Paint	Concrete	<40	Good	1,000	sq. ft.
Second Level									
DH, Ewa	Ceilings, eaves, walls	1	Lt. pink	Paint	Concrete	**49 - 59**	**Fair**	**6,000**	**sq. ft.**
DH, Ewa	Columns, walls	3	Beige	Paint	Concrete	**40 - 550**	Good	10,000	sq. ft.
DH, Ewa	Ceilings	5	Black	Paint	Concrete	<40	Fair	2,000	sq. ft.
DH, Ewa	Brackets, conduit, trim	6	Black	Paint	Metal	<40	Fair	1,000	sq. ft.
DH, Ewa	Conduit	7	Lt. pink	Paint	Metal	**79 - 190**	Good	40	ln. ft.
DH, Ewa	Roadway	8	White	Paint	Asphalt	<40	Fair	200	ln. ft.

Wings	Locations	HM ID	Material Color	Material	Substrate	Result (mg/kg)	Condition	Estimated Quantity	Unit
DH, Ewa	Curbs	9	Red	Paint	Concrete	<40 - **4,200**	Fair	1,000	sq. ft.
DH, Ewa	Roadway	10	Yellow	Paint	Asphalt	<40 - **550**	Fair	200	ln. ft.
DH, Ewa	Curbs	11	Yellow	Paint	Concrete	**LBP 27,000 - 38,000**	Fair	1,500	sq. ft.
DH, Ewa	Eaves	13	Beige	Textured paint	Concrete	<40	Good	5,000	sq. ft.
DH	Guardrail	15	Silver	Paint	Metal	**110,000 - 130,000**	Poor	80	sq. ft.
DH	Walls	17	Beige	Paint	CMU	<40	Good	1,000	sq. ft.
Third Level									
DH, Ewa	Walls	22	Lt. pink	Paint	Concrete	<40 - **56**	Fair	6,000	sq. ft.
DH, Ewa	Columns, eaves, walls	24	Beige	Paint	Concrete	<40 - **170**	Good	8,000	sq. ft.
DH, Ewa	Walls	26	Beige	Paint	CMU	**220 - 9,500**	Good	1,000	sq. ft.
DH, Ewa	Guardrails, handrails	28	Beige	Paint	Metal	<40 - **130**	Poor	1,000	sq. ft.
DH	Eaves	31	White	Textured paint	Concrete	<40	Good	3,000	sq. ft.
DH, Ewa	Roadway	33	White	Paint	Concrete	<40	Good	100	ln. ft.
DH	Curbs	34	Yellow	Paint	Concrete	<40	Good	600	sq. ft.
Ewa	Handrails	35	Brown	Paint	Metal	<40	Good	500	sq. ft.
Ewa	Guardrails	36	Yellow	Paint	Metal	**330 - 420**	Fair	80	sq. ft.
Ewa	Roadway	39	White	Coating	Concrete	<40	Fair	20	ln. ft.

Bold values indicate results above the reporting limit.
Good – Material is in an "as installed" condition. It is usable as is and may show cosmetic wear and tear or fading.
Fair – Material is functional for its installed purpose but shows initial signs of deterioration beyond the cosmetic.
Poor – Material shows significant deterioration and may not be functional for its installed purpose. Paint is bubbling or peeling over 20% or more of surface area and no longer protects the substrate.

Abbreviations and Acronyms
HM ID – Hazardous Material Identifier
LBP – Lead-Based Paint, ≥5,000 mg/kg
LCP – Lead-Containing Paint, <5,000 mg/kg
ln. ft. – Linear Feet
mg/kg– milligrams per kilogram or parts per million
sq. ft. – Square Feet

6.0 ARSENIC RESULTS

The disturbance of arsenic-containing materials is regulated by the OSHA Inorganic Arsenic General Industry Standard under 29 CFR 1910.1018. No suspected arsenic-containing materials were observed; therefore, no samples were collected during this survey.

7.0 SUMMARY OF SURVEY RESULTS

MNA conducted a targeted hazardous material survey at the 1st, 2nd, and 3rd level roadway corridor of Diamond Head and Ewa Concourse at the Daniel K. Inouye International Airport, Honolulu, Island of Oahu. MNA's survey was conducted in support of the planned roadway rehabilitation project (design scope in Table 1).

Based on the analysis of 23 asbestos-suspected materials and 26 lead-suspected paint coatings, MNA provides the following summary:

Summary of Hazardous Material Findings

Terminal 2	ACM	LCP	LBP	Arsenic
First Level				
Ewa Concourse				
Diamond Head Concourse	◙	◙		
Second Level				
Ewa Concourse	◙	◙	◙	
Diamond Head Concourse	◙	◙	◙	
Third Level				
Ewa Concourse	◙	◙	◙	
Diamond Head Concourse	◙	◙	◙	

◙ indicates presence of hazardous material
All roadway lighting was identified as LED, which is not suspected of containing hazardous materials, and therefore no inspections were conducted.
ACM – Asbestos-Containing Material, 1% or higher
LBP – Lead-Based Paint, ≥5,000 mg/kg
LCP – Lead-Containing Paint, <5,000 mg/kg

8.0 RECOMMENDATIONS FOR RENOVATION AND CONSTRUCTION WORK

It is required that properly trained employees perform demolition and construction work that disturbs hazardous materials, in a manner protective of the site workers, the public, facility users, and the environment. The following recommendations address OSHA and other applicable federal requirements. These recommendations provide guidance for the management of hazardous building materials and control of occupational and environmental hazards associated with operations, maintenance, renovation, and demolition. These recommendations are based on information gathered during the hazardous materials survey. These recommendations are not intended to constitute a formal work plan but are intended to provide a starting point for the development of a work plan.

8.1 Asbestos-Containing Materials

Employees involved in demolition and construction activities that disturb asbestos must conduct work in accordance with 29 CFR 1926.1101, the OSHA Asbestos Construction Standard. Work practices that would trigger these requirements include, but are not limited to, repair, maintenance, or renovation of structures containing asbestos, as well as removal or encapsulation of materials containing asbestos. For each project, the contractor must determine the appropriate safety measures based on the area to be disturbed, the type, volume, and condition of asbestos materials.

Applicable work practice guidelines involving the disturbance of asbestos materials are summarized, but are not limited to:

- Contractors must anticipate hazards and utilize appropriate engineering controls and personal protective equipment (PPE).
- Employers must provide and require the use of appropriate PPE for any employee exposed to airborne concentrations of asbestos that exceed OSHA regulatory limits, or for which a required negative exposure assessment is not produced (29 CFR 1926.1101[i][1]).
- Employees must utilize respiratory protection until the initial exposure monitoring assessment documents safe working levels of airborne asbestos (29 CFR 1926.1101[f] and [h]). Additional periodic exposure monitoring may be required.
- An initial exposure monitoring assessment should be carried out when workers are disturbing asbestos to ensure that they are not exposed to airborne asbestos concentrations greater than the Permissible Exposure Limit (PEL) of 0.1 fibers per cubic centimeter (f/cc) of air as an 8-hour time-weighted average (TWA), and the Excursion Limit of 1.0 f/cc over a 30-minute sampling period.
- The work site must be maintained as a controlled regulated area and supervised by a competent person at all times.
- Employees must implement stringent dust control procedures to prevent asbestos in any airborne or settled dust.
- Employees must clean the work area thoroughly using wet methods and a high-efficiency particulate air (HEPA) vacuum. Dry sweeping or air blowing of asbestos-containing debris and dust must be avoided.
- Waste and dust containing asbestos must be collected separately from other construction debris. Workers must conduct prompt and controlled clean up and disposal of asbestos wastes and debris in leak-tight containers.
- Asbestos-containing waste must be wet, packaged, labeled, stored, and disposed of in accordance with applicable regulations.
- Visually inspect the work area to ensure that all asbestos-containing debris and dust has been properly removed.
- Conduct clearance in accordance with contract specifications.

8.2 Lead-Containing Paints

Employees involved in renovation or demolition activities that disturb lead paints must conduct work in general accordance with 29 CFR 1926.62 OSHA Lead in Construction Standard. Work practices that would trigger these requirements include, but are not limited to, sanding, blasting, welding, cutting, scraping, and spot/whole paint removals. For each project, the contractor must determine the appropriate safety measures based on the area to be disturbed, the lead concentration, and the paint condition. Applicable work practice guidelines involving the disturbance of lead paints are summarized, but are not limited to:

- Contractors must anticipate hazards and utilize appropriate engineering controls and PPE.

- Employees must utilize respiratory protection until the initial air monitoring assessment documents safe working levels of airborne lead (29 CFR 1926.62[d][1] and [2][i][A]).
- An exposure assessment should be carried out when employees are disturbing LCP or LBP to ensure that they are not exposed to airborne lead concentrations greater than the PEL of 50 micrograms per cubic meter ($\mu g/m^3$) averaged over an 8-hour period. Additional periodic exposure monitoring may be required if the Action Level, 30 $\mu g/m^3$, averaged over an 8-hour period is exceeded.
- Employees must implement stringent dust control procedures to prevent airborne lead dust.
- Employees must clean the work area thoroughly using wet methods and a HEPA vacuum. Dry sweeping or air blowing of lead debris and dust must be avoided.
- Lead-containing debris must be segregated from other wastes, collected, and containerized. Wastes must be characterized per State of Hawaii requirements, including a determination of the waste as hazardous or non-hazardous. Lead-containing waste must be handled and disposed of in accordance with applicable requirements.
- Visually inspect and verify the work area to ensure all lead-containing debris and dust has been properly removed and the project site is free of lead hazard.
- Conduct clearance in accordance with contract specifications.

8.3 Arsenic-Containing Materials

No suspected arsenic-containing materials were identified in the project areas during this survey. Therefore, no special arsenic control measures are provided.

9.0 LIMITATIONS

Industry standard effort was made to identify suspected hazardous building materials during the survey at the project area. However, this does not imply a guarantee that all suspected building materials and hazardous materials were identified by this assessment because certain building materials and/or surfaces may be hidden by walls, flooring/concrete slab, or other roadway components. If any previously unforeseen suspected materials become known, such as any hazardous chemicals in the paint coatings, additional assessment may be required prior to the planned rehabilitation project.

Paint samples were analyzed for lead content only and bulk materials were analyzed for asbestos content only. There is a potential for the presence of other hazardous chemicals in the paint coatings and non-ACM materials. Contractor must anticipate hazards and take all appropriate measures to prevent exposure of workers and environment.

Material quantities provided in this report are based on visual approximations taken at the time of the survey only and should not be used for bidding purpose. It is the Contractor's responsibility to verify the material quantities and volume of waste prior to bidding.

Analytical results provided in this report do not meet the requirements for waste characterizations. Contractor must coordinate with permitted landfills for waste characterization requirements.

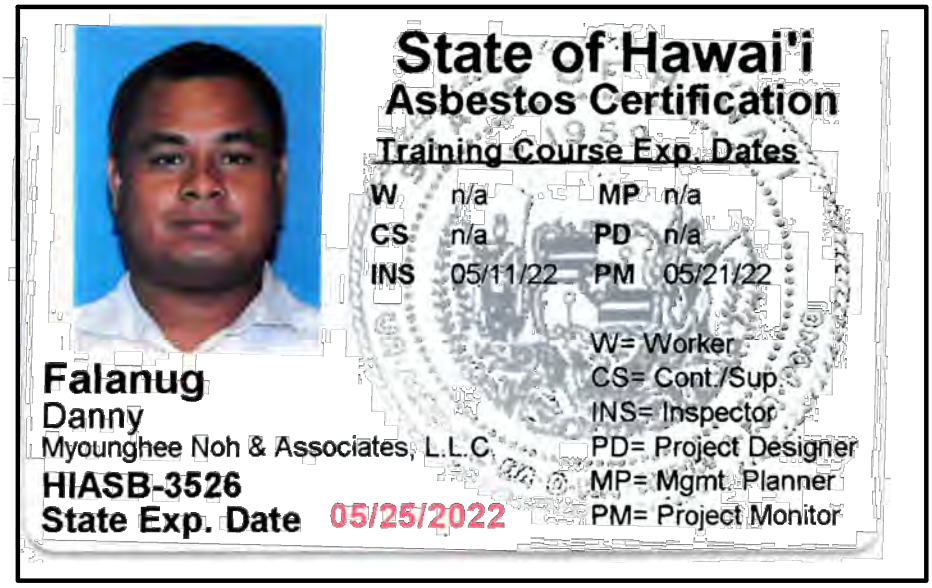
Any ACM disturbance is considered a regulated activity. Contractors are required to comply with 29 CFR 1926.1101(k)(3)(i) to identify the presence, location, and quantity of ACM before any work is begun.

Worker protection from silica exposures is also enforced by the OSHA. All appropriate engineering controls must be implemented and PPE may be considered as added protection.

APPENDIX A: INSPECTOR CERTIFICATIONS

Danny Falanug

Kealohilani Serrao



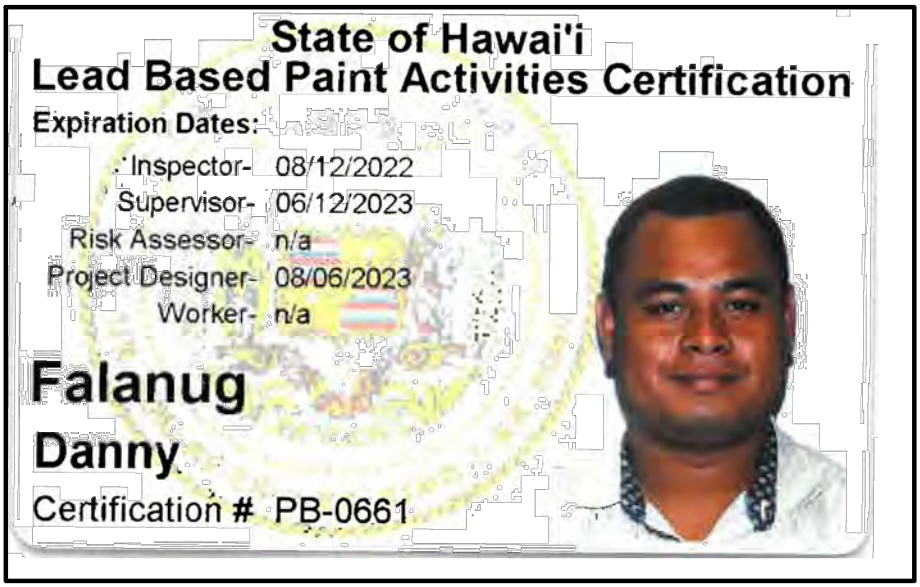
State of Hawai'i
Asbestos Certification

Training Course Exp. Dates

W	n/a	MP	n/a
CS	n/a	PD	n/a
INS	05/11/22	PM	05/21/22

W= Worker
CS= Cont./Sup.
INS= Inspector
PD= Project Designer
MP= Mgmt. Planner
PM= Project Monitor

Falanug
Danny
Myounghee Noh & Associates, L.L.C.
HIASB-3526
State Exp. Date 05/25/2022

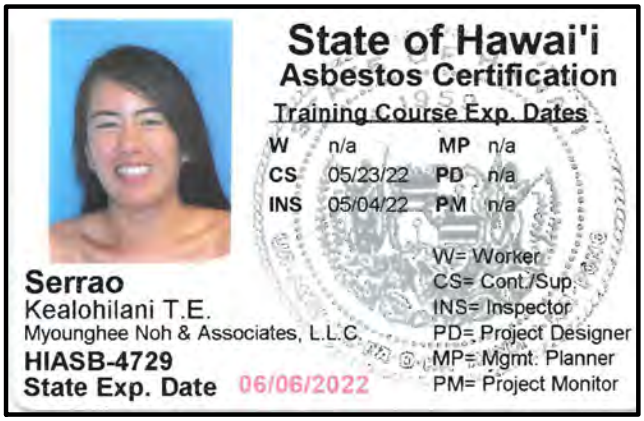


State of Hawai'i
Lead Based Paint Activities Certification

Expiration Dates:

Inspector- 08/12/2022
Supervisor- 06/12/2023
Risk Assessor- n/a
Project Designer- 08/06/2023
Worker- n/a

Falanug
Danny
Certification # PB-0661



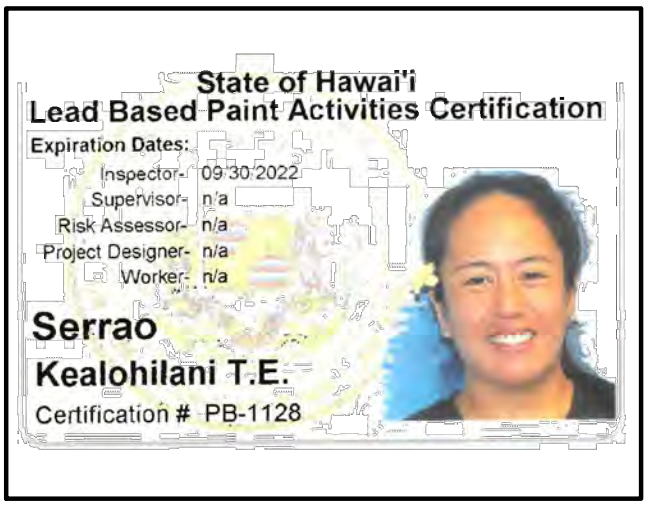
State of Hawai'i
Asbestos Certification

Training Course Exp. Dates

W	n/a	MP	n/a
CS	05/23/22	PD	n/a
INS	05/04/22	PM	n/a

W= Worker
CS= Cont./Sup.
INS= Inspector
PD= Project Designer
MP= Mgmt. Planner
PM= Project Monitor

Serrao
Kealohilani T.E.
Myounghee Noh & Associates, L.L.C.
HIASB-4729
State Exp. Date 06/06/2022



State of Hawai'i
Lead Based Paint Activities Certification

Expiration Dates:

Inspector-	09/30/2022
Supervisor-	n/a
Risk Assessor-	n/a
Project Designer-	n/a
Worker-	n/a

Serrao
Kealohilani T.E.
Certification # PB-1128

APPENDIX B: HOMOGENEOUS MATERIALS IDENTIFIED AND SAMPLE TYPES COLLECTED

Homogeneous Materials Identified and Sample Types Collected

HM ID	Floor	Wings	Locations	Material Color	Material	Substrate	Asb	Pb	Result
1	**2**	**Diamond Head, Ewa**	**Ceilings, eaves, walls**	**Lt. pink**	**Paint**	**Concrete**		**X**	**LCP 49 - 59 mg/kg**
2	2	Diamond Head, Ewa	Ceilings, eaves, walls	Lt. pink Gray	Textured paint Skim coat	Concrete	X		<0.1%*
3	**2**	**Diamond Head, Ewa**	**Columns, eaves, walls**	**Beige**	**Paint**	**Concrete**		**X**	**LCP 40 - 550 mg/kg**
4	2	Diamond Head, Ewa	Columns, eaves, walls	Beige Gray	Textured paint Skim coat	Concrete	X		ND
5	2	Diamond Head, Ewa	Ceilings	Black	Paint	Concrete		X	<40 mg/kg
6	2	Diamond Head, Ewa	Brackets, conduit, trims	Black	Paint	Metal		X	<40 mg/kg
7	**2**	**Diamond Head, Ewa**	**Conduit**	**Lt. pink**	**Paint**	**Metal**		**X**	**LCP 79 - 190 mg/kg**
8	2	Diamond Head, Ewa	Roadway	White	Paint	Asphalt		X	<40 mg/kg
9	**2**	**Diamond Head, Ewa**	**Curbs**	**Red**	**Paint**	**Concrete**		**X**	**LCP** <40 **- 4,200 mg/kg**
10	**2**	**Diamond Head, Ewa**	**Roadway**	**Yellow**	**Paint**	**Asphalt**		**X**	**LCP** <40 **- 550 mg/kg**
11	**2**	**Diamond Head, Ewa**	**Curbs**	**Yellow**	**Paint**	**Concrete**		**X**	**LBP 27,000 - 38,000 mg/kg**
12	**2**	**Diamond Head, Ewa**	**Inside planters**	**Black** Silver	**Coating** Paint	**Concrete**	**X**		**ACM 5%** ND
13	2	Diamond Head, Ewa	Eaves	Beige	Textured paint	Concrete		X	<40 mg/kg
14	2	Diamond Head, Ewa	Eaves	Beige	Textured paint Skim coat Plaster	Concrete	X		ND

Homogeneous Materials Identified and Sample Types Collected

HM ID	Floor	Wings	Locations	Material Color	Material	Substrate	Asb	Pb	Result
15	**2**	**Diamond Head**	**Guardrail**	**Silver**	**Paint**	**Metal**		**X**	**LBP 110,000 - 130,000 mg/kg**
16	2	Diamond Head, Ewa	Floors	Tan Gray	Ceramic tile Grout	3" x 9" Ceramic tile	X		ND
17	2	Diamond Head	Walls	Beige	Paint	CMU		X	<40 mg/kg
18	2	Diamond Head	Walls	Beige Gray Black	Textured paint Skim coat Tar	CMU	X		ND
19	2	Diamond Head, Ewa	Roadway	Black	Expansion joint	Concrete	X		ND
20	2	Diamond Head, Ewa	Walls	Red Gray	Ceramic tile Grout	12" x 12" Ceramic tile	X		ND
21	2	Ewa	Floor	Lt. gray Black	Caulking Mastic	Concrete	X		ND
22	**3**	**Diamond Head, Ewa**	**Walls**	**Lt. pink**	**Paint**	**Concrete**		**X**	**LCP** <40 **- 56 mg/kg**
23	3	Diamond Head, Ewa	Walls	Lt. pink	Paint/skim coat	Concrete	X		<0.1%*
24	**3**	**Diamond Head, Ewa**	**Columns, eaves, walls**	**Beige**	**Paint**	**Concrete**		**X**	**LCP** <40 **- 170 mg/kg**
25	3	Diamond Head, Ewa	Columns, eaves, walls	Beige Black	Paint/skim coat Mastic	Concrete	X		<0.1%*
26	**3**	**Diamond Head, Ewa**	**Walls**	**Beige**	**Paint**	**CMU**		**X**	**LBP 220 - 9,500 mg/kg**
27	3	Diamond Head, Ewa	Walls	Beige	Paint/skim coat	CMU	X		<0.1%*
28	**3**	**Diamond Head, Ewa**	**Guardrails, handrails**	**Beige**	**Paint**	**Metal**		**X**	**LCP** <40 **- 130 mg/kg**

Homogeneous Materials Identified and Sample Types Collected

HM ID	Floor	Wings	Locations	Material Color	Material	Substrate	Asb	Pb	Result
29	**3**	**Diamond Head, Ewa**	**Inside planters**	**Black**	Coating Wrap **Mastic**	**Concrete**	**X**		ND ND **ACM 10%**
30	**3**	**Diamond Head, Ewa**	**Floors**	**Lt. gray**	Caulking **Mastic**	**Concrete**	**X**		ND **ACM 2%**
31	3	Diamond Head	Eaves	White	Textured paint	Concrete		X	<40 mg/kg
32	3	Diamond Head	Eaves	White	Textured paint/skim coat	Concrete	X		ND
33	3	Diamond Head, Ewa	Roadway	White	Paint	Concrete		X	<40 mg/kg
34	3	Diamond Head	Curbs	Yellow	Paint	Concrete		X	<40 mg/kg
35	3	Ewa	Handrails	Brown	Paint	Metal		X	<40 mg/kg
36	**3**	**Ewa**	**Guardrails**	**Yellow**	**Paint**	**Metal**		**X**	**LCP 330 - 420 mg/kg**
37	3	Diamond Head, Ewa	Roadway	Gray Black	Expansion joint Fibrous Material	Concrete	X		ND
38	3	Diamond Head	Walls	Red Gray	Ceramic tile Grout	12" x 12" Ceramic tile	X		ND
39	3	Ewa	Roadway	White	Coating	Concrete		X	<40 mg/kg
40	3	Ewa	Roadway	White	Coating	Concrete	X		ND
41	**1**	**Diamond Head**	**Conduit, electrical boxes, pipes**	**Lt. pink**	**Paint**	**Metal**		**X**	**LCP 46 - 78 mg/kg**
42	3	Ewa	Roadway	Gray	Skim coat	Concrete	X		ND
43	**1**	**Diamond Head**	**Ceiling, columns, eaves**	**Beige**	**Paint**	**Concrete**		**X**	**LCP 82 - 250 mg/kg**
44	**1**	**Diamond Head**	**Ceiling, columns, eaves**	**Beige**	**Textured paint Skim coat**	**Concrete**	**X**		**ACM 2%**
45	**1**	**Diamond Head**	**Walls**	**Beige**	**Paint**	**CMU**		**X**	**LCP 94 - 120 mg/kg**

Homogeneous Materials Identified and Sample Types Collected

HM ID	Floor	Wings	Locations	Material Color	Material	Substrate	Asb	Pb	Result
46	1	Diamond Head	Walls	Beige	Textured paint Skim coat	CMU	X		ND
47	1	Diamond Head	Columns, walls	Lt. pink	Paint	Concrete		X	<40 mg/kg
48	1	Diamond Head	Columns, walls	Lt. pink	Textured paint Skim coat	Concrete	X		ND
49	**2**	**Diamond Head, Ewa**	**Roadway (under concrete pavement)**	**Black**	**Waterproofing**	**Concrete**	**X**		**ACM 20%**

* Indicates one or more asbestos fibers was identified using the point count method. While the less than 1% asbestos is not a

Bold values indicate results above the reporting limit.

All asbestos found to be chrysotile.

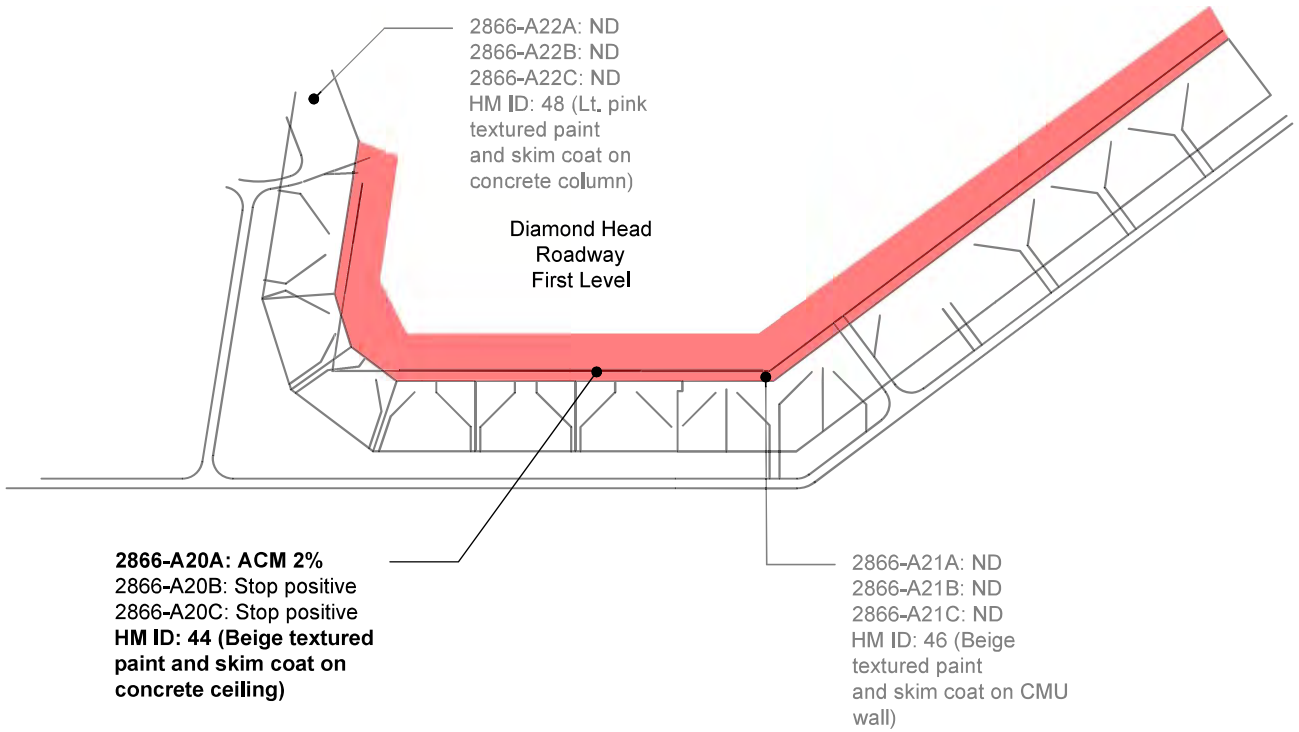
Abbreviations and Acronyms

Asb - Asbestos
ACM - Asbestos-Containing Material
CMU - Concrete Masonry Unit
HM ID - Homogeneous Material Identifier
LBP - Lead-Based Paint ≥5,000 mg/kg
LCP - Lead-Containing Paint <5,000 mg/kg
mg/kg - milligrams per kilogram, equivalent to parts per million
ND - Not Detected
Pb - Lead

APPENDIX C: SAMPLE AND HAZARDOUS MATERIAL LOCATION DRAWINGS

List of Drawings	
Asbestos and Lead Sample and Hazardous Material Locations – First Level	C-1 and C-2
Asbestos and Lead Sample and Hazardous Material Locations – Second Level	C-3 – C-6
Asbestos and Lead Sample and Hazardous Material Locations – Third Level	C-7 – C-10

HM ID	Locations	Color	Material	Substrate	Results
44	Ceiling, columns, eaves	Beige	Textured paint Skim coat	Concrete	**ACM 2%**



Legend and Notes

Visual Extent of Asbestos-Containing Material

Bold values indicate results above the detection limit.

All asbestos found to be chrysotile.

ACM - Asbestos-Containing Material

HM ID - Homogeneous Material Identifier

ND - None Detected

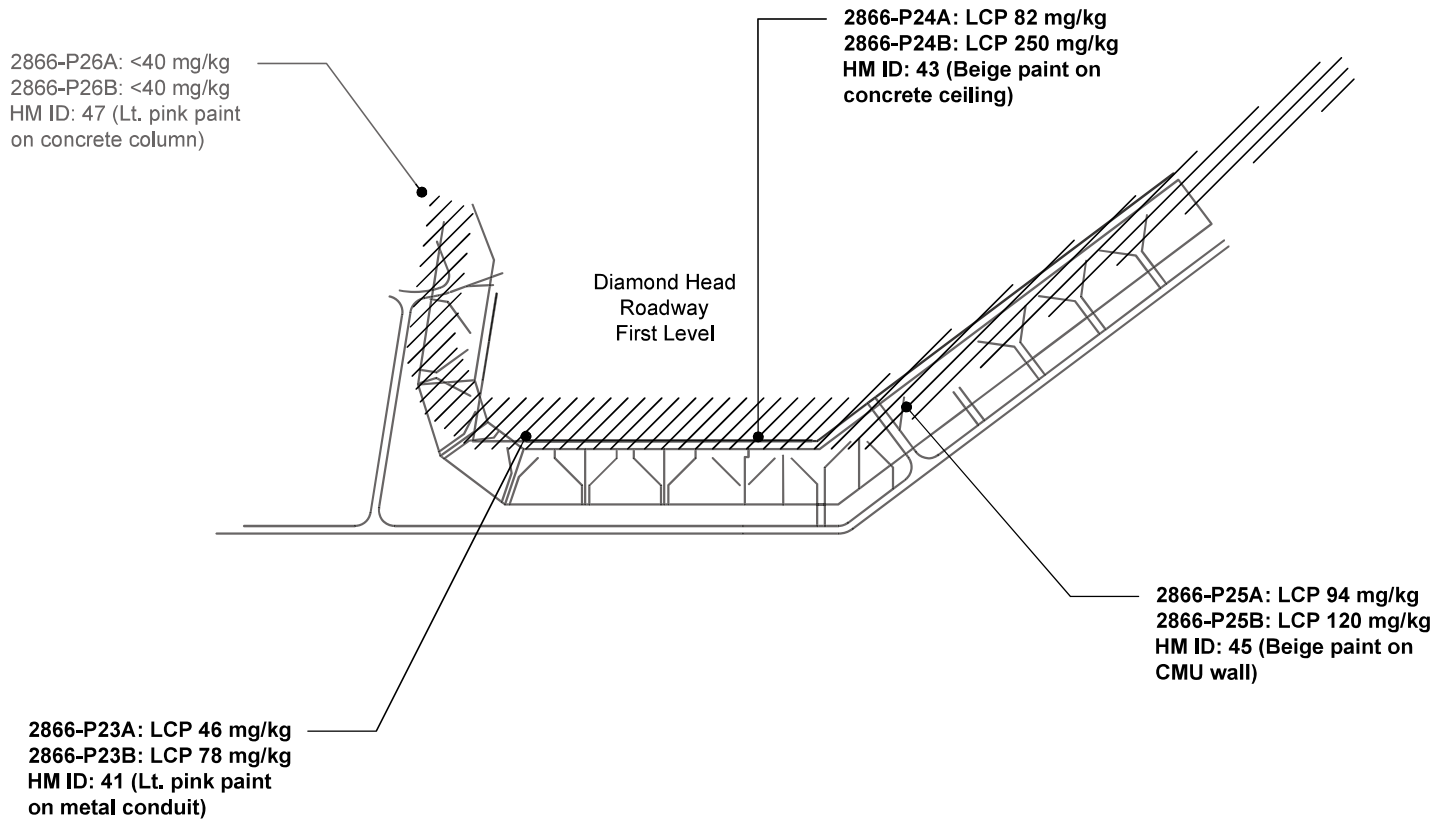
Myounghee Noh & Associates, L.L.C.

Asbestos Sample and Hazardous Material Locations
Daniel K. Inouye International Airport
Diamond Head Roadway First Level

Sheet Number

C - 1

HM ID	Locations	Color	Substrate	Results (mg/kg)
41	Conduit, electrical boxes, pipes	Lt. pink	Metal	**LCP 46 - 78**
43	Ceiling, columns, eaves	Beige	Concrete	**LCP 82 - 250**
45	Walls	Beige	CMU	**LCP 94 - 120**



Legend and Notes

Visual Extent of Lead-Containing Paint

Bold values indicate results above the detection limit.

HM ID - Hazardous Material Identifier

LCP - Lead-Containing Paint < 5,000 mg/kg

mg/kg - milligrams per kilogram (equivalent to ppm)

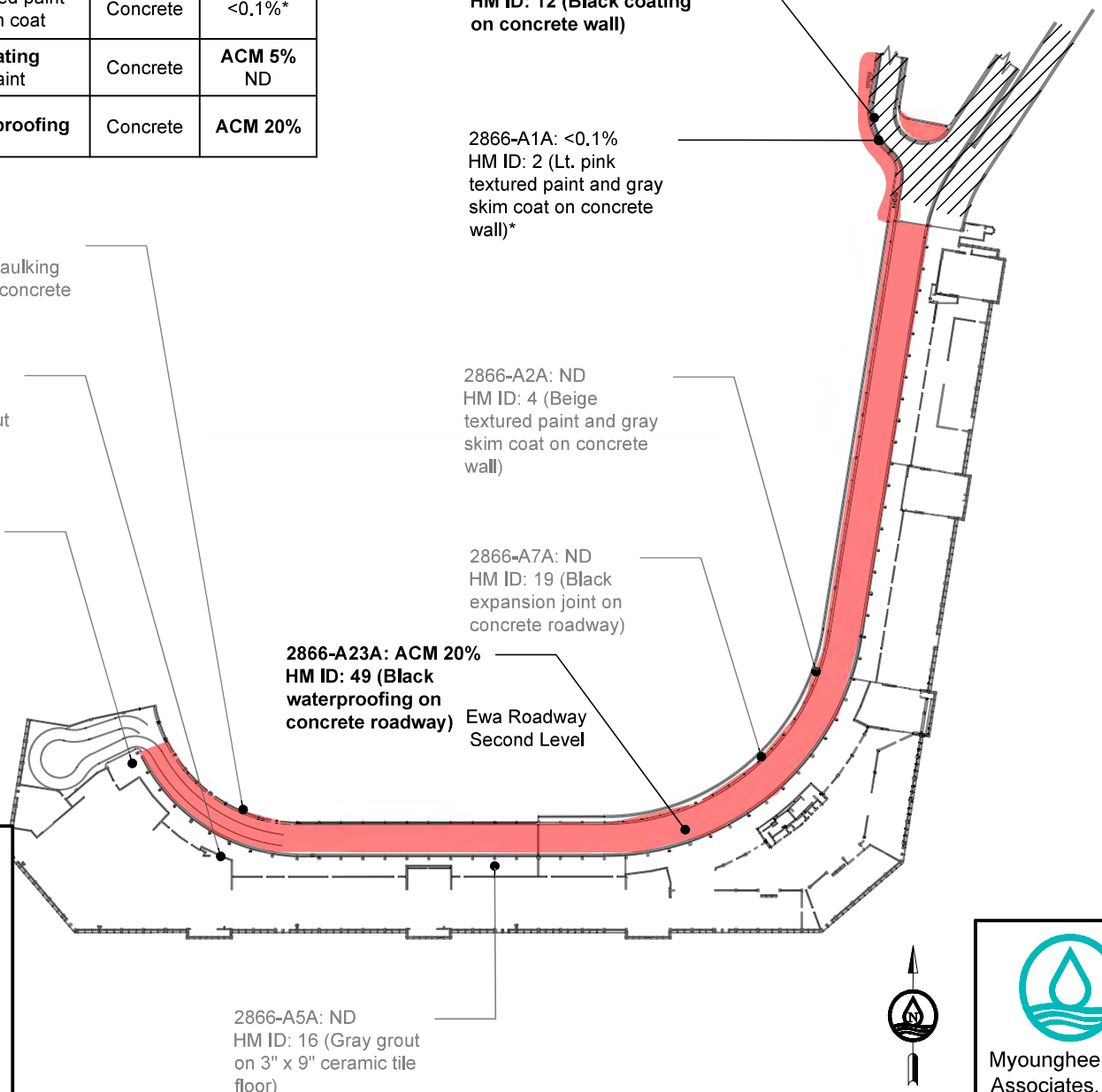
Myounghee Noh & Associates, L.L.C.

Lead Paint Sample and Hazardous Material Locations
Daniel K. Inouye International Airport
Diamond Head Roadway First Level

Sheet Number

C - 2

HM ID	Locations	Color	Material	Substrate	Results
2	Ceilings, eaves, walls	Lt. pink Gray	Textured paint Skim coat	Concrete	<0.1%*
12	Floors, walls	**Black** Silver	**Coating** Paint	Concrete	**ACM 5%** ND
49	Roadway (under concrete pavement)	**Black**	**Waterproofing**	Concrete	**ACM 20%**



Legend and Notes

Visual Extent of Trace Asbestos

Visual Extent of Asbestos-Containing Material

Bold values indicate results above the detection limit.

* Indicates one or more asbestos fibers were identified using the point count method. While the less than 1% asbestos is not a regulated material, trace amounts can be a health hazard.

All asbestos found to be chrysotile.

ACM - Asbestos-Containing Material

HM ID - Homogeneous Material Identifier

ND - None Detected

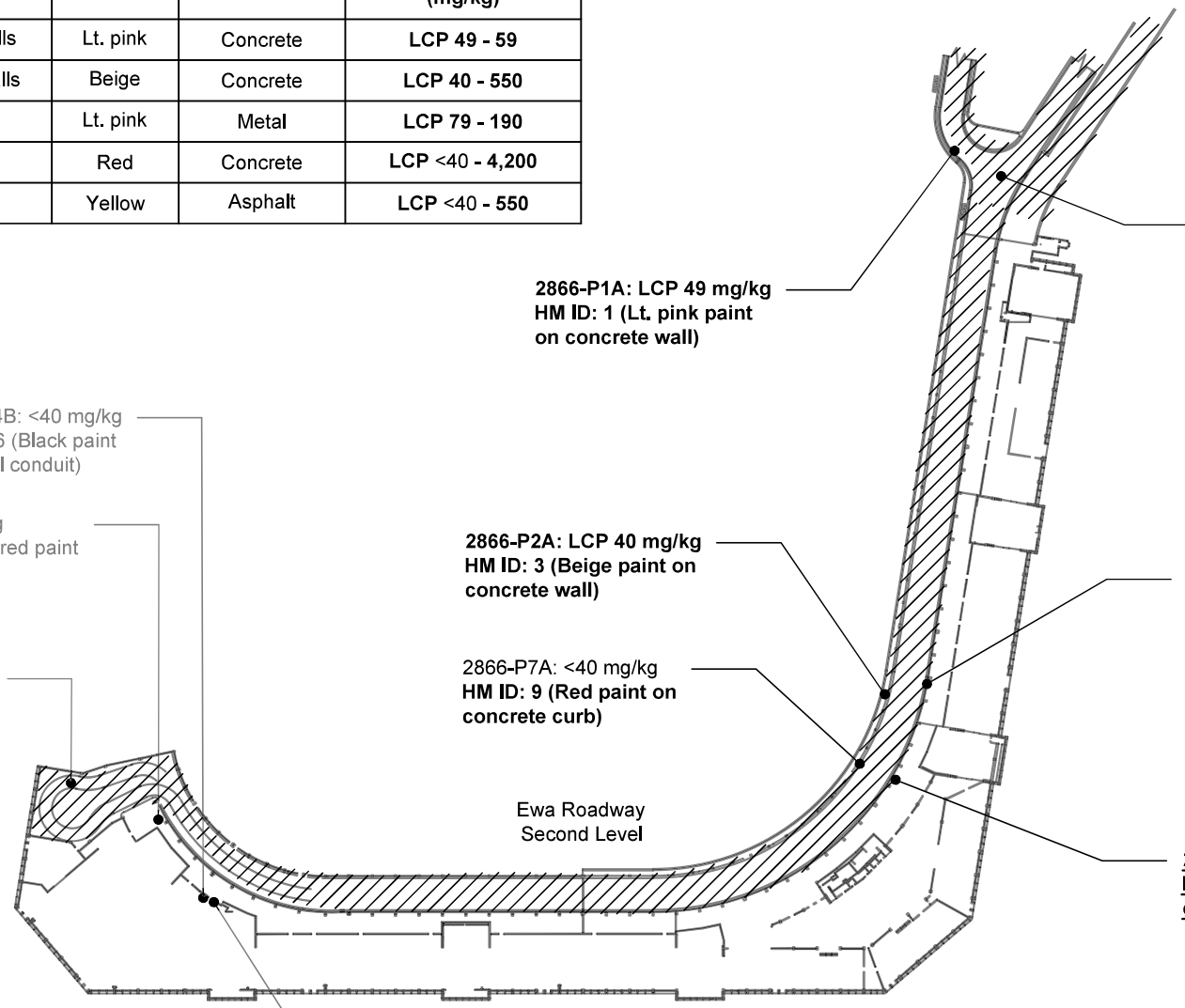
Myounghee Noh & Associates, L.L.C.

Asbestos Sample and Hazardous Material Locations
Daniel K. Inouye International Airport
Ewa Roadway Second Level

Sheet Number

C - 3

HM ID	Locations	Color	Substrate	Results (mg/kg)
1	Ceilings, eaves, walls	Lt. pink	Concrete	**LCP 49 - 59**
3	Columns, eaves, walls	Beige	Concrete	**LCP 40 - 550**
7	Conduit	Lt. pink	Metal	**LCP 79 - 190**
9	Curbs	Red	Concrete	**LCP <40 - 4,200**
10	Roadway	Yellow	Asphalt	**LCP <40 - 550**



Legend and Notes

Visual Extent of Lead-Containing Paint

Bold values indicate results above the detection limit.

HM ID - Hazardous Material Identifier

LCP - Lead-Containing Paint < 5,000 mg/kg

mg/kg - milligrams per kilogram (equivalent to ppm)

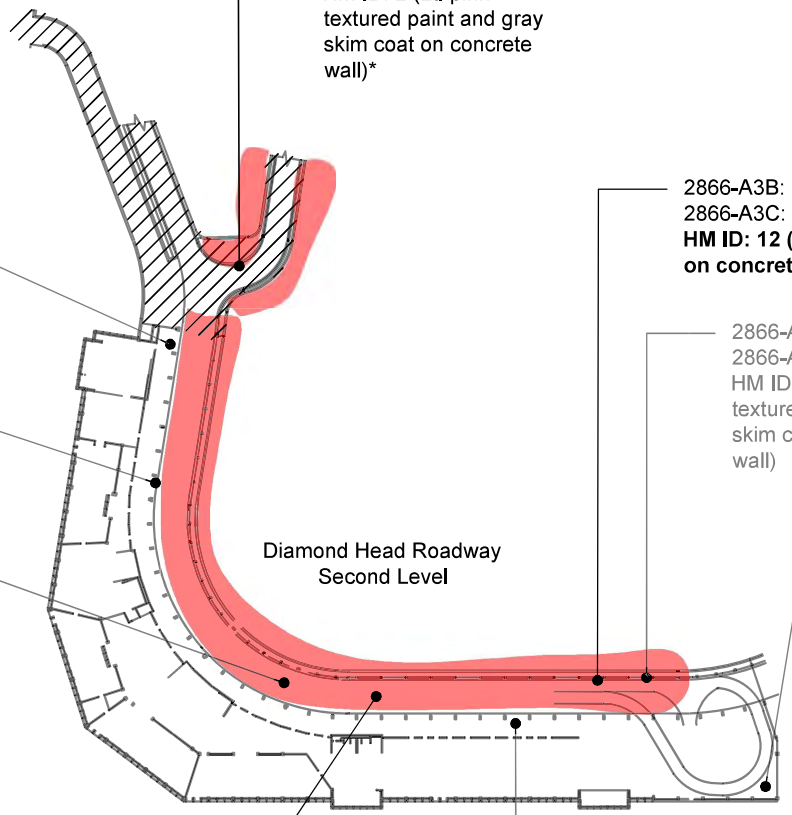
Myounghee Noh & Associates, L.L.C.

Lead Paint Sample and Hazardous Material Locations
Daniel K. Inouye International Airport
Ewa Roadway Second Level

Sheet Number

C - 4

HM ID	Locations	Color	Material	Substrate	Results
2	Ceilings, eaves, walls	Lt. pink Gray	Textured paint Skim coat	Concrete	<0.1%*
12	Floors, walls	**Black** Silver	**Coating** Paint	Concrete	**ACM 5%** ND
49	Roadway (under concrete pavement)	**Black**	**Waterproofing**	Concrete	**ACM 20%**



Legend and Notes

Visual Extent of Trace Asbestos

Visual Extent of Asbestos-Containing Material

Bold values indicate results above the detection limit.

* Indicates one or more asbestos fibers were identified using the point count method. While the less than 1% asbestos is not a regulated material, trace amounts can be a health hazard.

All asbestos found to be chrysotile.

ACM - Asbestos-Containing Material

HM ID - Homogeneous Material Identifier

ND - None Detected

Myounghee Noh & Associates, L.L.C.

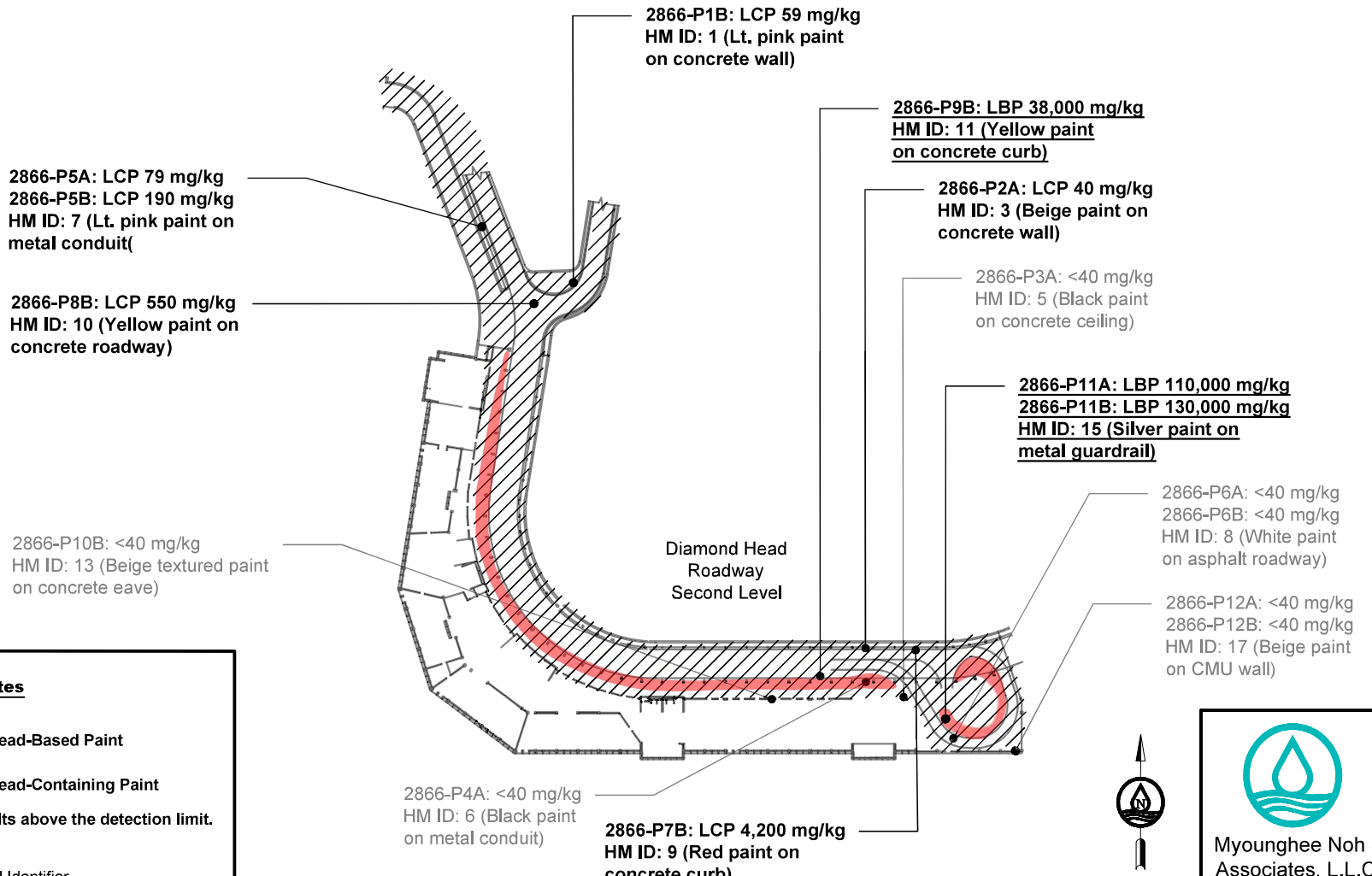
Asbestos Sample and Hazardous Material Locations
Daniel K. Inouye International Airport
Diamond Head Roadway Second Level

Sheet Number

C - 5

HM ID	Locations	Color	Substrate	Results (mg/kg)
1	Ceilings, eaves, walls	Lt. pink	Concrete	**LCP 49 - 59**
3	Columns, eaves, walls	Beige	Concrete	**LCP 40 - 550**
7	Conduit	Lt. pink	Metal	**LCP 79 - 190**

HM ID	Locations	Color	Substrate	Results (mg/kg)
9	Curbs	Red	Concrete	**LCP <40 - 4,200**
10	Roadway	Yellow	Asphalt	**LCP <40 - 550**
11	Curbs	Yellow	Concrete	**LBP 27,000 - 38,000**
15	Guardrail	Silver	Metal	**LBP 110,000 - 130,000**



Legend and Notes

Visual Extent of Lead-Based Paint

Visual Extent of Lead-Containing Paint

Bold values indicate results above the detection limit.

Cd - Cadmium

HM ID - Hazardous Material Identifier

LBP - Lead-Based Paint > 5,000 mg/kg

LCP - Lead-Containing Paint < 5,000 mg/kg

mg/kg - milligrams per kilogram (equivalent to ppm)

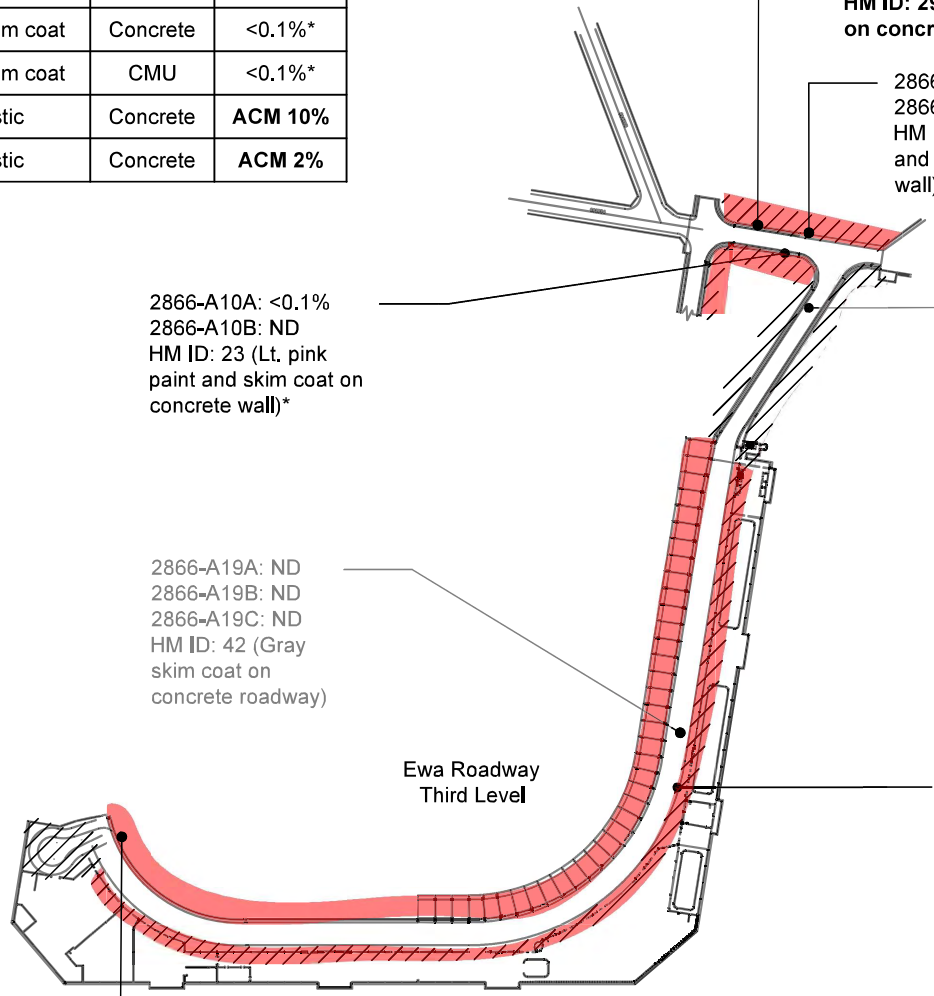
Myounghee Noh & Associates, L.L.C.

Lead Paint Sample and Hazardous Material Locations
Daniel K. Inouye International Airport
Diamond Head Roadway Second Level

Sheet Number

C - 6

HM ID	Locations	Color	Material	Substrate	Results
23	Walls	Lt. pink	Paint/skim coat	Concrete	<0.1%*
25	Columns, eaves, walls	Beige	Paint/skim coat	Concrete	<0.1%*
27	Walls	Beige	Paint/skim coat	CMU	<0.1%*
29	Floor, walls	Black	Mastic	Concrete	**ACM 10%**
30	Floors	Lt. gray	Mastic	Concrete	**ACM 2%**



Legend and Notes

Visual Extent of Trace Asbestos

Visual Extent of Asbestos-Containing Material

Bold values indicate results above the detection limit.

* Indicates one or more asbestos fibers were identified using the point count method. While the less than 1% asbestos is not a regulated material, trace amounts can be a health hazard.

All asbestos found to be chrysotile.

ACM - Asbestos-Containing Material

HM ID - Homogeneous Material Identifier

ND - None Detected

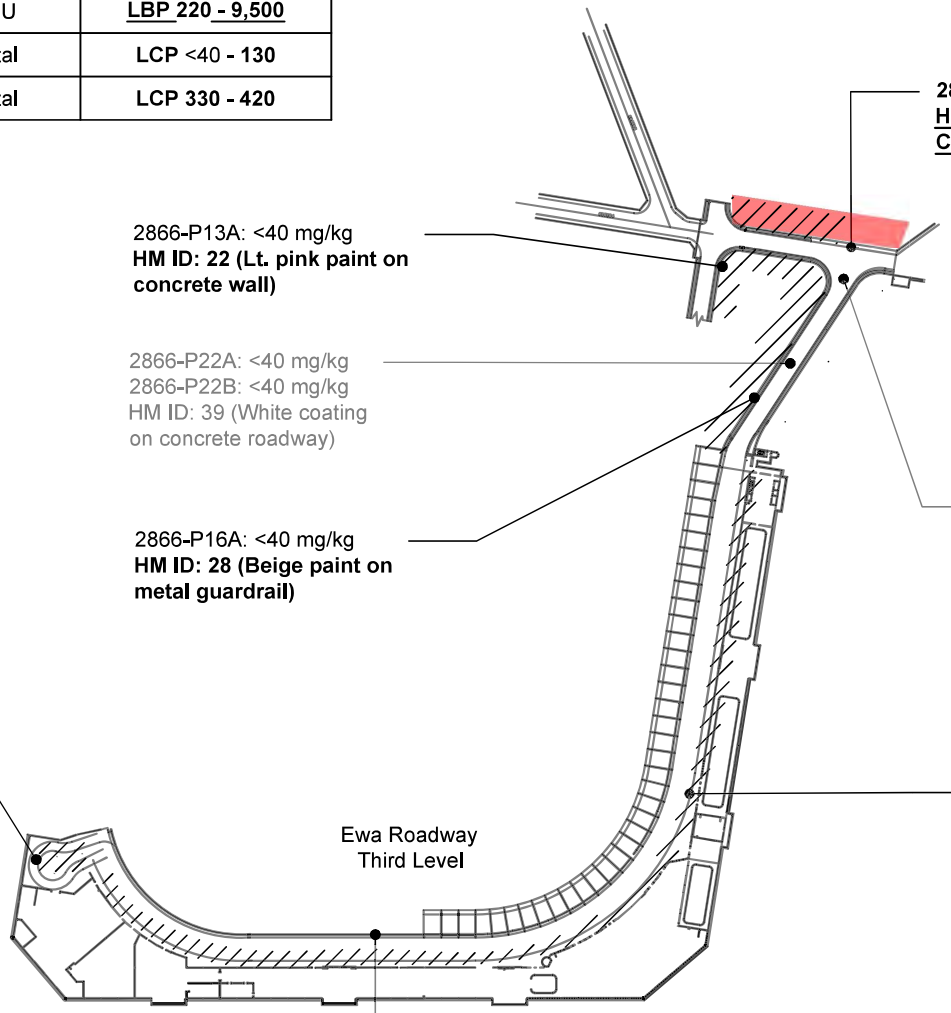
Myounghee Noh & Associates, L.L.C.

Asbestos Sample and Hazardous Material Locations
Daniel K. Inouye International Airport
Ewa Roadway Third Level

Sheet Number

C - 7

HM ID	Locations	Color	Substrate	Results (mg/kg)
22	Walls	Lt. pink	Concrete	**LCP <40 - 56**
24	Columns, eaves, walls	Beige	Concrete	**LCP <40 - 170**
26	Walls	Beige	CMU	**LBP 220 - 9,500**
28	Guardrails, handrails	Beige	Metal	**LCP <40 - 130**
36	Guardrails	Yellow	Metal	**LCP 330 - 420**



Legend and Notes

Visual Extent of Lead-Based Paint

Visual Extent of Lead-Containing Paint

Bold values indicate results above the detection limit.

Cd - Cadmium

HM ID - Hazardous Material Identifier

LBP - Lead-Based Paint > 5,000 mg/kg

LCP - Lead-Containing Paint < 5,000 mg/kg

mg/kg - milligrams per kilogram (equivalent to ppm)

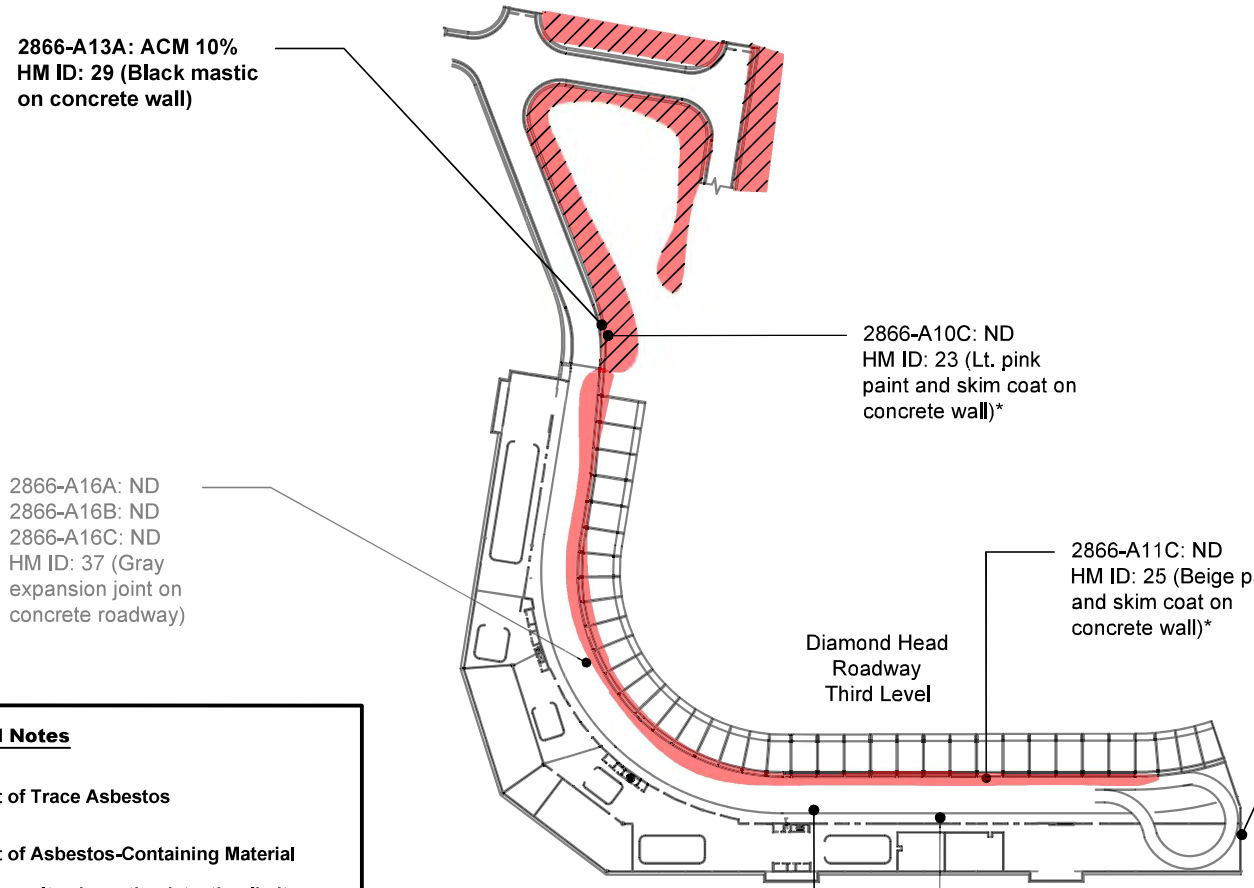
Myounghee Noh & Associates, L.L.C.

Lead Paint Sample and Hazardous Material Locations
Daniel K. Inouye International Airport
Ewa Roadway Third Level

Sheet Number

C - 8

HM ID	Locations	Color	Material	Substrate	Results
23	Walls	Lt. pink	Paint/skim coat	Concrete	<0.1%*
25	Columns, eaves, walls	Beige	Paint/skim coat	Concrete	<0.1%*
27	Walls	Beige	Paint/skim coat	CMU	<0.1%*
29	Floor, walls	Black	Mastic	Concrete	**ACM 10%**
30	Floors	Lt. gray	Mastic	Concrete	**ACM 2%**



Legend and Notes

Visual Extent of Trace Asbestos

Visual Extent of Asbestos-Containing Material

Bold values indicate results above the detection limit.

* Indicates one or more asbestos fibers were identified using the point count method. While the less than 1% asbestos is not a regulated material, trace amounts can be a health hazard.

All asbestos found to be chrysotile.

ACM - Asbestos-Containing Material

HM ID - Homogeneous Material Identifier

ND - None Detected

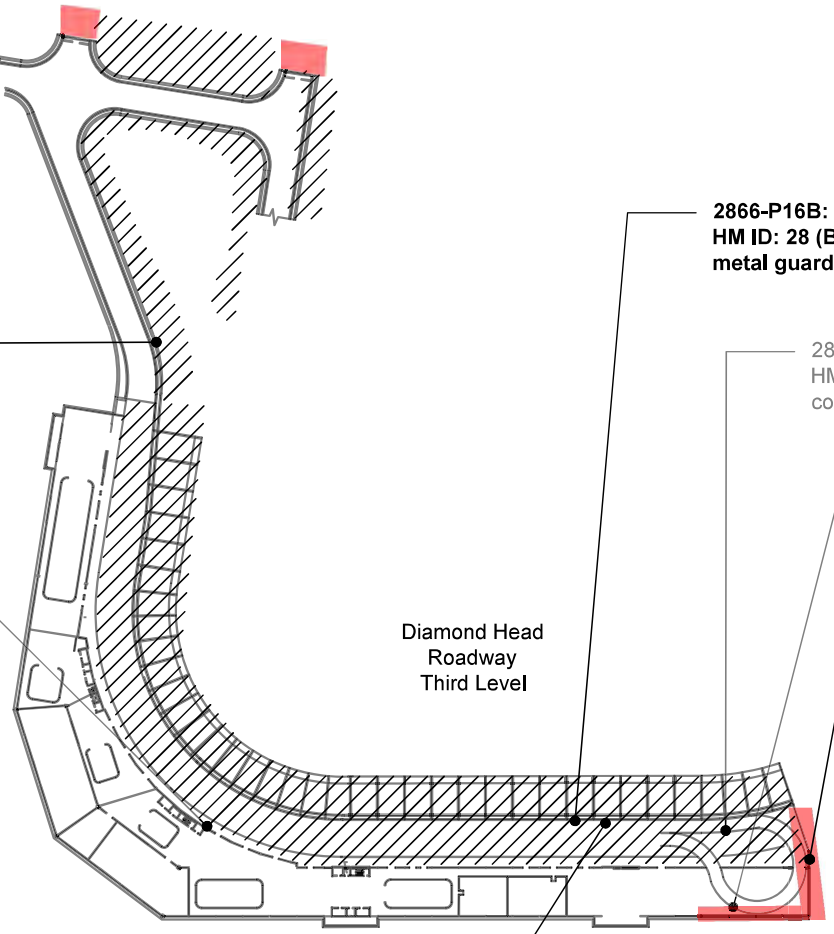
Myounghee Noh & Associates, L.L.C.

Asbestos Sample and Hazardous Material Locations
Daniel K. Inouye International Airport
Diamond Head Roadway Third Level

Sheet Number

C - 9

HM ID	Locations	Color	Substrate	Results (mg/kg)
22	Walls	Lt. pink	Concrete	**LCP** <40 - **56**
24	Columns, eaves, walls	Beige	Concrete	**LCP** <40 - **170**
26	Walls	Beige	CMU	**LBP 220 - 9,500**
28	Guardrails, handrails	Beige	Metal	**LCP** <40 - **130**



Legend and Notes

Visual Extent of Lead-Based Paint

Visual Extent of Metal-Containing Paint

Bold values indicate results above the detection limit.

Cd - Cadmium

HM ID - Hazardous Material Identifier

LBP - Lead-Based Paint > 5,000 mg/kg

LCP - Lead-Containing Paint < 5,000 mg/kg

mg/kg - milligrams per kilogram (equivalent to ppm)

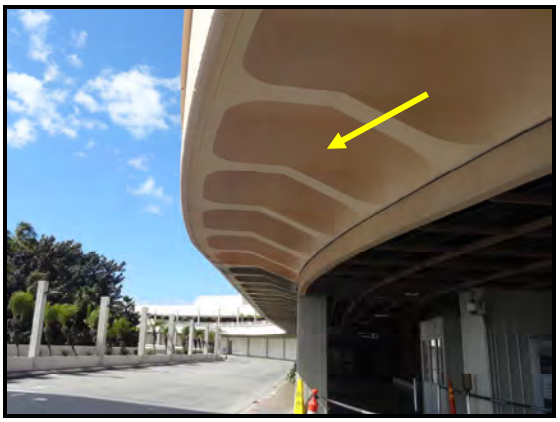
Myounghee Noh & Associates, L.L.C.

Lead Paint Sample and Hazardous Material Locations
Daniel K. Inouye International Airport
Diamond Head Roadway Third Level

Sheet Number

C - 10

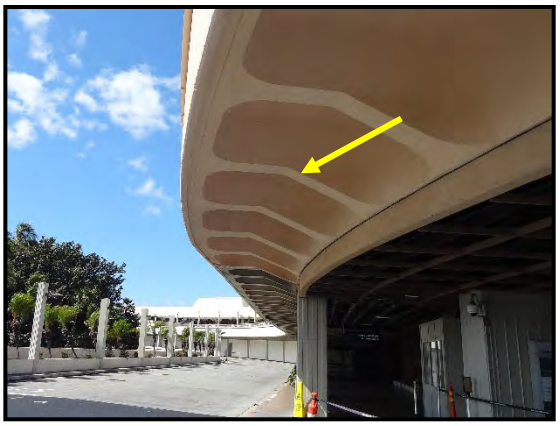
APPENDIX D: PHOTOGRAPHS



HM ID: 1
Floor 2

Light pink paint on concrete eave.

LCP
2866-P1A: 56 mg/kg
2866-P1B: 49 mg/kg



HM ID: 2
Floor 2

Light pink textured paint with gray skim coat on concrete eave.

Trace Asbestos
2866-A1A-Texture paint: ND
2866-A1A-Skim coat: <0.1% Chrysotile
2866-A1B-Texture paint: ND
2866-A1B-Skim coat: <0.1% Chrysotile
2866-A1C-Texture paint: ND
2866-A1C-Skim coat: <0.1% Chrysotile

HM ID: 3
Floor 2

Beige paint on concrete wall.

LCP
2866-P2A: 40 mg/kg
2866-P2B: 550 mg/kg

HM ID: 4
Floor 2

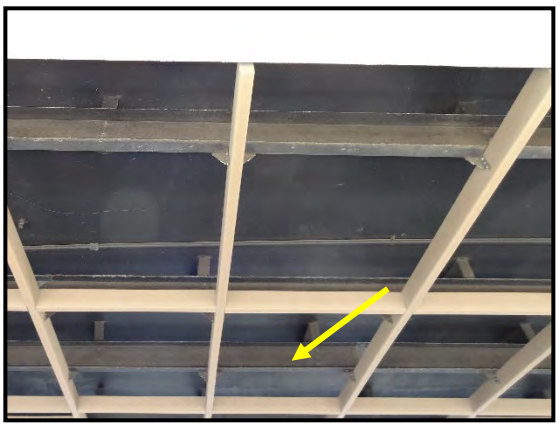
Beige textured paint with gray skim coat on concrete wall.

Non-ACM
2866-A2A-Texture paint: ND
2866-A2A-Skim coat: ND
2866-A2B-Texture paint: ND
2866-A2B-Skim coat: ND
2866-A2C-Texture paint: ND
2866-A2C-Skim coat: ND

HM ID: 5
Floor 2

Black paint on concrete ceiling.

Non-LCP
2866-P3A: <40 mg/kg
2866-P3B: <40 mg/kg



HM ID: 6
Floor 2

Black paint on metal trim.

Non-LCP
2866-P4A: <40 mg/kg
2866-P4B: <40 mg/kg

HM ID: 7
Floor 2

Light pink paint on metal conduit.

LCP
2866-P5A: 79 mg/kg
2866-P5B: 190 mg/kg

HM ID: 8
Floor 2

White paint on asphalt roadway.

Non-LCP
2866-P6A: <40 mg/kg
2866-P6B: <40 mg/kg

HM ID: 9
Floor 2

Red paint on concrete curb.

LCP
2866-P7A: <40 mg/kg
2866-P7B: 4,200 mg/kg

HM ID: 10
Floor 2

Yellow paint on asphalt roadway.

LCP
2866-P8A: 550 mg/kg
2866-P8B: <40 mg/kg

HM ID: 11
Floor 2

Yellow paint on concrete curb.

LBP
2866-P9A: 27,000 mg/kg
2866-P9B: 38,000 mg/kg

HM ID: 12
Floor 2

Black coating and silver paint on concrete wall.

ACM
2866-A3A: ND
2866-A3B-Silver paint: ND
2866-A3B-Coating: 5% Chrysotile
2866-A3C: Stop positive

HM ID: 13
Floor 2

Beige textured paint on concrete eave.

Non-LCP
2866-P10A: <40 mg/kg
2866-P10B: <40 mg/kg

HM ID: 14
Floor 2

Beige textured paint with skim coat and plaster on concrete eave.

Non-ACM
2866-A4A-Texture paint: ND
2866-A4A-Skim coat: ND
2866-A4B-Texture paint: ND
2866-A4B-Skim coat: ND
2866-A4C-Texture paint: ND
2866-A4C-Skim coat: ND
2866-A4C-Plaster: ND

HM ID: 15
Floor 2

Silver paint on metal guardrail.

LBP
2866-P11A: 130,000 mg/kg
2866-P11B: 110,000 mg/kg

HM ID: 16
Floor 2

Gray grout on 3” x 9” tan ceramic tile floor.

Non-ACM
2866-A5A-Ceramic tile: ND
2866-A5A-Grout: ND
2866-A5B-Ceramic tile: ND
2866-A5B-Grout: ND
2866-A5C-Ceramic tile 1: ND
2866-A5C-Ceramic tile 2: ND
2866-A5C-Grout: ND

HM ID: 17
Floor 2

Beige paint on concrete masonry unit wall.

Non-LCP
2866-P12A: <40 mg/kg
2866-P12B: <40 mg/kg

HMI D: 18
Floor 2

Beige textured paint with gray skim coat and black tar on concrete masonry unit wall.

Non-ACM
2866-A6A-Texture paint/skim coat: ND
2866-A6A-Tar: ND
2866-A6B-Texture paint: ND
2866-A6B-Skim coat: ND
2866-A6C-Texture paint: ND
2866-A6C-Tar: ND

HM ID: 19
Floor 2

Black expansion joint on concrete roadway.

Non-ACM
2866-A7A: ND
2866-A7B: ND
2866-A7C: ND

HM ID: 20
Floor 2

Gray grout on 12” x 12” red ceramic tile wall.

Non-ACM
2866-A8A-Ceramic tile: ND
2866-A8A-Grout: ND
2866-A8A-Mortar: ND
2866-A8A-Mastic: ND
2866-A8B-Ceramic tile: ND
2866-A8B-Grout: ND
2866-A8B-Mortar: ND
2866-A8B-Mastic: ND
2866-A8C-Ceramic tile: ND
2866-A8C-Grout: ND
2866-A8C-Mortar: ND
2866-A8C-Mastic: ND

HM ID: 21
Floor 2

Light gray caulking on concrete floor.

Non-ACM
2866-A9A: ND
2866-A9B: ND
2866-A9C-Caulking: ND
2866-A9C-Mastic: ND

HM ID: 22
Floor 3

Light pink paint on concrete wall.

LCP
2866-P13A: <40 mg/kg
2866-P13B: 56 mg/kg

HM ID: 23
Floor 3

Light pink paint and skim coat on concrete wall.

Trace Asbestos
2866-A10A-Comp texture paint/skim coat:
<0.1% Chrysotile
2866-A10B-Comp texture paint/skim coat:
<0.1% Chrysotile
2866-A10C-Comp texture paint/skim coat:
<0.1% Chrysotile

HM ID: 24
Floor 3

Beige paint on concrete wall.

LCP
2866-P14A: <40 mg/kg
2866-P14B: 170 mg/kg

HM ID: 25
Floor 3

Beige paint and skim coat with black mastic on concrete wall.

Trace Asbestos
2866-A11A-Comp Texture paint/skim coat: ND
2866-A11A-Mastic: ND
2866-A11B-Comp Texture paint/skim coat: <0.1% Chrysotile
2866-A11B-Concrete: ND
2866-A11C-Texture paint: ND
2866-A11C-Concrete: ND

HM ID: 26
Floor 3

Beige paint on concrete masonry unit wall.

LBP
2866-P15A: 220 mg/kg
2866-P15B: 9,500 mg/kg

HM ID: 27
Floor 3

Beige paint and skim coat on concrete masonry unit wall.

Trace Asbestos
2866-A12A-Comp texture paint/skim coat: <0.1% Chrysotile
2866-A12B-Comp texture paint/skim coat: <0.1% Chrysotile
2866-A12C-Comp texture paint/skim coat: <0.1% Chrysotile

HM ID: 28
Floor 3

Beige paint on metal handrail.

LCP
2866-P16A: <40 mg/kg
2866-P16B: 130 mg/kg

HM ID: 29
Floor 3

Black coating and vinyl wrap with mastic on concrete wall.

ACM
2866-A13A-Coating 1: ND
2866-A13A-Coating 2/texture like: ND
2866-A13A-Vinyl wrap: ND
2866-A13A-Mesh: ND
2866-A13B-Coating 1: ND
2866-A13B-Penetration mastic: 10% Chrysotile
2866-A13B-Paint/coating 2: ND
2866-A13B-Texture like: ND
2866-A13C-Coating: ND
2866-A13C-Concrete: ND
2866-A13C-Mastic: ND

HM ID: 30
Floor 3

Light gray caulking with mastic on concrete floor.

ACM
2866-A14A-Mastic: 2% Chrysotile
2866-A14A-Caulking: ND
2866-A14B-Mastic: Stop positive
2866-A14B-Caulking: ND
2866-A14C: ND

HM ID: 31
Floor 3

White textured paint on concrete eave.

Non-LCP
2866-P17A: <40 mg/kg
2866-P17B: <40 mg/kg

HM ID: 32
Floor 3

White textured paint and skim coat on concrete eave.

Non-ACM
2866-A15A-Texture paint: ND
2866-A15B-Comp texture paint/skim coat: ND
2866-A15C-Comp texture paint/skim coat: ND

HM ID: 33
Floor 3

White paint on concrete roadway.

Non-LCP
2866-P18A: <40 mg/kg
2866-P18B: <40 mg/kg

HM ID: 34
Floor 3

Yellow paint on concrete curb.

Non-LCP
2866-P19A: <40 mg/kg
2866-P19B: <40 mg/kg

HM ID: 35
Floor 3

Brown paint on metal handrail.

Non-LCP
2866-P20A: <40 mg/kg
2866-P20B: <40 mg/kg

HM ID: 36
Floor 3

Yellow paint on metal guardrail.

LCP
2866-P21A: 420 mg/kg
2866-P21B: 330 mg/kg

HM ID: 37
Floor 3

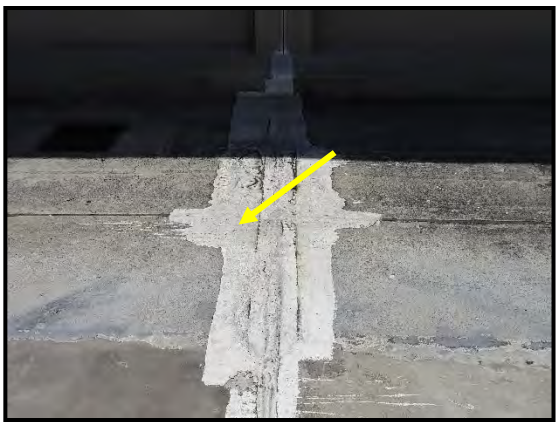
Gray expansion joint with black fibrous material on concrete roadway.

Non-ACM
2866-A16A-Expansion joint: ND
2866-A16A-Cement material: ND
2866-A16A-Fibrous material: ND
2866-A16B-Expansion joint: ND
2866-A16B-Cement material: ND
2866-A16B-Fibrous material: ND
2866-A16C-Expansion joint: ND
2866-A16C-Cement material: ND
2866-A16C-Fibrous material: ND

HM ID: 38
Floor 3

Gray grout on 12” x 12” red ceramic tile wall.

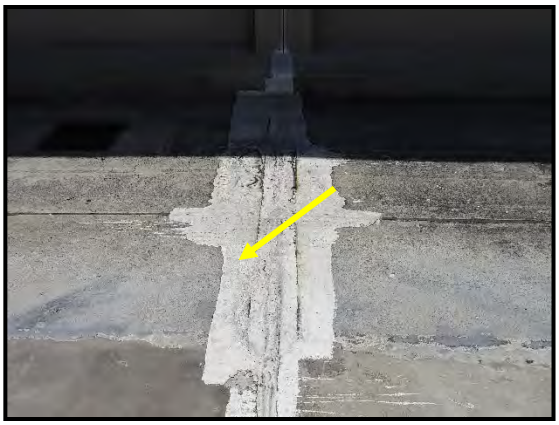
Non-ACM
2866-A17A-Ceramic tile: ND
2866-A17A-Grout: ND
2866-A17B-Ceramic tile: ND
2866-A17B-Grout: ND
2866-A17C-Ceramic tile: ND
2866-A17C-Grout: ND



HM ID: 39
Floor 3

White coating on concrete roadway.

Non-LCP
2866-P22A: <40 mg/kg
2866-P22B: <40 mg/kg



HM ID: 40
Floor 3

White coating on concrete roadway.

<u>Non-ACM</u>
2866-A18A-Caulk 1: ND
2866-A18A-Caulk 2: ND
2866-A18B: ND
2866-A18C: ND

HM ID: 41
Floor 1

Light pink paint on metal conduit.

<u>LCP</u>
2866-P23A: 46 mg/kg
2866-P23B: 78 mg/kg

HM ID: 42
Floor 3

Gray skim coat on concrete roadway.

<u>Non-ACM</u>
2866-A19A: ND
2866-A19B: ND
2866-A19C: ND

HM ID: 43
Floor 1

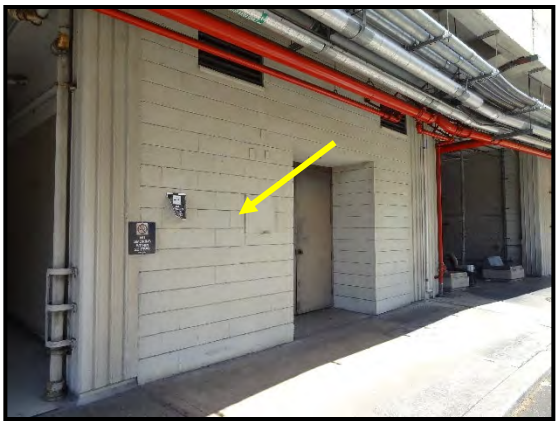
Beige paint on concrete ceiling.

LCP
2866-P24A: 82 mg/kg
2866-P24B: 250 mg/kg

HM ID: 44
Floor 1

Beige textured paint and skim coat on concrete ceiling.

ACM
2866-A20A-Texture paint/mastic: 2% Chrysotile
2866-A20A-Skim coat: <0.1% Chrysotile
2866-A20B-Texture paint/mastic: Stop positive
2866-A20B-Skim coat: <0.1% Chrysotile
2866-A20C-Texture paint/mastic: Stop positive
2866-A20C-Skim coat: <0.1% Chrysotile



HM ID: 45
Floor 1

Beige paint on concrete masonry unit wall.

LCP
2866-P25A: 94 mg/kg
2866-P25B: 120 mg/kg

HM ID: 46
Floor 1

Beige textured paint and skim coat on concrete masonry unit wall.

Non-ACM
2866-A21A-Texture paint: ND
2866-A21A-Skim coat: ND
2866-A21B-Texture paint: ND
2866-A21B-Skim coat: ND
2866-A21C-Comp texture paint/skim coat: ND

HM ID: 47
Floor 1

Light pink paint on concrete column.

Non-LCP
2866-P26A: <40 mg/kg
2866-P26B: <40 mg/kg

HM ID: 48
Floor 1

Light pink textured paint and skim coat on concrete column.

Non-ACM
2866-A22A-Texture paint: ND
2866-A22A-Skim coat: ND
2866-A22B-Texture paint: ND
2866-A22B-Skim coat: ND
2866-A22C-Texture paint: ND
2866-A22C-Skim coat: ND

HM ID: 49
Floor 2

Black waterproofing under concrete pavement on roadway.

ACM
2866-A23A: ACM 20%
2866-A23B: Stop positive
2866-A23C: Stop positive

APPENDIX E: LABORATORY ANALYTICAL REPORTS

LA Testing

520 Mission Street South Pasadena, CA 91030
Tel/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322111650
Customer ID:	32MYOU50
Customer PO:	02866_2
Project ID:	

Attention:	Danny Falanug	**Phone:**	(808) 484-9214
	Myounghee Noh & Associates, LLC	**Fax:**	
	99-1046 Iwaena Street	**Received Date:**	06/24/2021 9:30 AM
	Suite 210A	**Analysis Date:**	06/25/2021 - 06/28/2021
	Aiea, HI 96701	**Collected Date:**	06/08/2021
Project:	2866_2 International Airport		

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A1A-Texture Paint *322111650-0001*	2 - Lt. pink, P/SC, concrete	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A1A-Skim Coat *322111650-0001A*	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A1B-Texture Coat *322111650-0002*	2 - Lt. pink, P/SC, concrete	Pink/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A1B-Skim Coat *322111650-0002A*	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A1C-Texture Paint *322111650-0003*	2 - Lt. pink, P/SC, concrete	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A1C-Skim Coat *322111650-0003A*	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A2A-Texture Paint *322111650-0004*	4 - Beige, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2A-Skim Coat *322111650-0004A*	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2B-Texture Paint *322111650-0005*	4 - Beige, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2B-Skim Coat *322111650-0005A*	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2C-Texture Paint *322111650-0006*	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2C-Skim Coat *322111650-0006A*	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A3A *322111650-0007*	12 - Black, coating, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A3B-Silver Paint *322111650-0008*	12 - Black, coating, concrete	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A3B-Coating *322111650-0008A*	12 - Black, coating, concrete	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
2866-A3C *322111650-0009*	12 - Black, coating, concrete				Positive Stop (Not Analyzed)

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LA Testing

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LA Testing Order:	322111650
Customer ID:	32MYOU50
Customer PO:	02866_2
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A4A-Texture Paint *322111650-0010*	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A4A-Skim Coat *322111650-0010A*	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A4B-Texture Paint *322111650-0011*	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A4B-Skim Coat *322111650-0011A*	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A4C-Texture Paint *322111650-0012*	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A4C-Skim Coat *322111650-0012A*	14 - Beige, textured P/SC, concrete	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A4C-Plaster *322111650-0012B*	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A5A-Ceramic Tile *322111650-0013*	16 - Gray, grout, 3"x9" ceramic tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A5A-Grout *322111650-0013A*	16 - Gray, grout, 3"x9" ceramic tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A5B-Ceramic Tile *322111650-0014*	16 - Gray, grout, 3"x9" ceramic tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A5B-Grout *322111650-0014A*	16 - Gray, grout, 3"x9" ceramic tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A5C-Ceramic Tile 1 *322111650-0015*	16 - Gray, grout, 3"x9" ceramic tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A5C-Ceramic Tile 2 *322111650-0015A*	16 - Gray, grout, 3"x9" ceramic tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A5C-Grout *322111650-0015B*	16 - Gray, grout, 3"x9" ceramic tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A6A-Texture Paint/ Skim Coat *322111650-0016* *Unable to separate*	18 - Beige, P/SC, CMU	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A6A-Tar *322111650-0016A*	18 - Beige, P/SC, CMU	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A6B-Texture Paint *322111650-0017*	18 - Beige, P/SC, CMU	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A6B-Skim Coat *322111650-0017A*	18 - Beige, P/SC, CMU	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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LA Testing Order:	322111650
Customer ID:	32MYOU50
Customer PO:	02866_2
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A6C-Texture Paint *322111650-0018*	18 - Beige, P/SC, CMU	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A6C-Tar *322111650-0018A* *Insufficient skim coat present for analysis.*	18 - Beige, P/SC, CMU	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A7A *322111650-0019*	19 - Black, expension joint, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A7B *322111650-0020*	19 - Black, expension joint, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A7C *322111650-0021*	19 - Black, expension joint, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8A-Ceramic Tile *322111650-0022*	20 - Gray, grout, 12"x12" ceramic tiles	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8A-Grout *322111650-0022A*	20 - Gray, grout, 12"x12" ceramic tiles	Gray/Purple Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8A-Mortar *322111650-0022B*	20 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8A-Mastic *322111650-0022C*	20 - Gray, grout, 12"x12" ceramic tiles	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8B-Ceramic Tile *322111650-0023*	20 - Gray, grout, 12"x12" ceramic tiles	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8B-Grout *322111650-0023A*	20 - Gray, grout, 12"x12" ceramic tiles	Gray/Purple Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8B-Mortar *322111650-0023B*	20 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8B-Mastic *322111650-0023C*	20 - Gray, grout, 12"x12" ceramic tiles	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8C-Ceramic Tile *322111650-0024*	20 - Gray, grout, 12"x12" ceramic tiles	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8C-Grout *322111650-0024A*	20 - Gray, grout, 12"x12" ceramic tiles	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8C-Mortar *322111650-0024B*	20 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8C-Mastic *322111650-0024C*	20 - Gray, grout, 12"x12" ceramic tiles	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A9A *322111650-0025*	21 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322111650
Customer ID:	32MYOU50
Customer PO:	02866_2
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A9B *322111650-0026*	21 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A9C-Caulking *322111650-0027*	21 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A9C-Mastic *322111650-0027A*	21 - Lt. gray, caulking, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A10A-Composite Texture Paint/Skim Coat *322111650-0028* *Unable to separate*	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A10B-CompTextur e Paint/Skim Coat *322111650-0029* *Unable to separate*	23 - Lt. pink, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A10C-Comp Texture Paint/Skim Coat *322111650-0030* *Unable to separate*	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A11A-Comp Texture Paint/Skim Coat *322111650-0031*	25 - Beige, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A11A-Mastic *322111650-0031A*	25 - Beige, P/SC, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A11B-Comp Texture Paint/Skim Coat *322111650-0032*	25 - Beige, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A11B-Concrete *322111650-0032A*	25 - Beige, P/SC, concrete	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A11C-Texture Paint *322111650-0033* *No SC present for analysis.*	25 - Beige, P/SC, concrete	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A11C-Concrete *322111650-0033A*	25 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A12A-Comp Texture Paint/Skim Coat *322111650-0034* *Unable to separate*	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A12B-Comp Texture Paint/Skim Coat *322111650-0035* *Unable to separate*	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile

Initial report from: 06/28/2021 10:11:30

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LA Testing Order:	322111650
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A12C-Texture Paint/Skim Coat *322111650-0036* *Unable to separate*	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A13A-Coating 1 *322111650-0037*	29 - Black, coating, concrete	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13A-Coating 2/Texture Like *322111650-0037A* *Unable to separate*	29 - Black, coating, concrete	Gray/Black Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
2866-A13A-Vinyl Wire Wrap Like *322111650-0037B*	29 - Black, coating, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13A-Mesh *322111650-0037C*	29 - Black, coating, concrete	Black Fibrous Homogeneous	90% Synthetic	10% Non-fibrous (Other)	None Detected
2866-A13B-Coating 1 *322111650-0038*	29 - Black, coating, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13B-Penetration Mastic *322111650-0038A*	29 - Black, coating, concrete	Gray/Black Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
2866-A13B-Paint/Coating 2 *322111650-0038B*	29 - Black, coating, concrete	Black/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
2866-A13B-Texture Like *322111650-0038C*	29 - Black, coating, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13C-Coating *322111650-0039*	29 - Black, coating, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13C-Concrete *322111650-0039A*	29 - Black, coating, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13C-Mastic *322111650-0039B*	29 - Black, coating, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A14A-Mastic *322111650-0040*	30 - Lt. gray, caulking, concrete	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
2866-A14A-Caulk *322111650-0040A*	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A14B-Mastic *322111650-0041*	30 - Lt. gray, caulking, concrete				Positive Stop (Not Analyzed)
2866-A14B-Caulk *322111650-0041A*	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A14C *322111650-0042*	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A15A-Texture Paint *322111650-0043* *Insufficient skim coat present for analysis.*	32 - White, textured P/SC, concrete	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A15B-Comp Texture Paint/Skim Coat *322111650-0044*	32 - White, textured P/SC, concrete	White/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
2866-A15C-Comp Texture Paint/Skim Coat *322111650-0045* *Unable to separate*	32 - White, textured P/SC, concrete	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A16A-Expansion Joint (Caulk Like) *322111650-0046*	37 - White w/ black, expension joint, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A16A-Cementitious Material *322111650-0046A*	37 - White w/ black, expension joint, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A16A-Fibrous Material *322111650-0046B*	37 - White w/ black, expension joint, concrete	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
2866-A16B-Expansion Joint (Caulk Like) *322111650-0047*	37 - White w/ black, expension joint, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A16B-Cementitious Material *322111650-0047A*	37 - White w/ black, expension joint, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A16B-Fibrous Material *322111650-0047B*	37 - White w/ black, expension joint, concrete	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
2866-A16C-Expension Joint(Caulk Like) *322111650-0048*	37 - White w/ black, expension joint, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A16C-Cementitious Material *322111650-0048A*	37 - White w/ black, expension joint, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A16C-Fibrous Material *322111650-0048B*	37 - White w/ black, expension joint, concrete	Black/Beige Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
2866-A17A-Ceramic Tile *322111650-0049*	38 - Gray, grout, 12"x12" ceramic tiles	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A17A-Grout *322111650-0049A*	38 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A17B-Ceramic Tile *322111650-0050*	38 - Gray, grout, 12"x12" ceramic tiles	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A17B-Grout *322111650-0050A*	38 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A17C-Ceramic Tile *322111650-0051*	38 - Gray, grout, 12"x12" ceramic tiles	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A17C-Grout *322111650-0051A*	38 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A18A-Caulk 1 *322111650-0052*	40 - White, coating, concrete	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A18A-Caulk 2 *322111650-0052A*	40 - White, coating, concrete	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A18B *322111650-0053*	40 - White, coating, concrete	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A18C *322111650-0054*	40 - White, coating, concrete	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A19A *322111650-0055*	42 - Gray, skim coat, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A19B *322111650-0056*	42 - Gray, skim coat, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A19C *322111650-0057*	42 - Gray, skim coat, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A20A-Texture Paint/Mastic Like *322111650-0058* *Unable to separate*	44 - Beige, P/SC, concrete	Gray/Black Non-Fibrous Heterogeneous		98% Non-fibrous (Other)	2% Chrysotile
2866-A20A-Skim Coat *322111650-0058A*	44 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A20B-Texture Paint/Mastic Like *322111650-0059* *Unable to separate*	44 - Beige, P/SC, concrete				Positive Stop (Not Analyzed)
2866-A20B-Skim Coat *322111650-0059A*	44 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A20C-Texture Paint *322111650-0060*	44 - Beige, P/SC, concrete				Positive Stop (Not Analyzed)
2866-A20C-Skim Coat *322111650-0060A*	44 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A21A-Texture Paint *322111650-0061*	46 - Beige, P/SC, CMU	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A21A-Skim Coat *322111650-0061A*	46 - Beige, P/SC, CMU	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A21B-Texture Paint *322111650-0062*	46 - Beige, P/SC, CMU	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A21B-Skim Coat *322111650-0062A*	46 - Beige, P/SC, CMU	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A21C-CompTexture Paint/Skim Coat *322111650-0063*	46 - Beige, P/SC, CMU	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A22A-Texture Paint *322111650-0064*	48 - Lt. pink, P/SC, concrete	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A22A-Skim Coat *322111650-0064A*	48 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A22B-Texture Paint *322111650-0065*	48 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A22B-Skim Coat *322111650-0065A*	48 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A22C-Texture Paint *322111650-0066*	48 - Lt. pink, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A22C-Skim Coat *322111650-0066A*	48 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Kieu-anh Pham Duong (65)

Nahid Motamedi (56)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Initial report from: 06/28/2021 10:11:30

Asbestos Chain of Custody

LA Testing Order Number (*Lab Use Only*): #322111650

PHONE: ( )
FAX: ( )

Company: Myounghee Noh & Associates, L.L.C.		**EMSL Customer ID:** 32MYOU50	
Street: 99-1046 Iwaena Street, Suite 201A		**City:** Aiea	**State/Province:** Hawaii
Zip/Postal Code: 96701	**Country:** USA	**Telephone #:** (808) 853-3152	**Fax #:**
Report To (Name): Danny Falanug		**Please Provide Results:** ☐ Fax ■ Email	
Email Address: danny@noh-associates.com		**Purchase Order:** 02866_2	
Project Name/Number: 2866_2 International Airport		**Connecticut Samples:** ■ Commercial ☐ Residential	
U.S. State Samples Taken:		**EMSL Project ID** (*Internal Use Only*):	

LA Testing-Bill to: ■ Same ☐ Different - If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ■ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours through 6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air ☐ Check if samples are from NY
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ■ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NYS 198.8 SOF-V
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group** | **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: Danny Falanug, Kealohi Sarrad **Samplers Signature:** Danny Falanug

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
2866-A1A	Please see field forms	Bulk	6/21/21
-A1B	Positive stop analysis		
-A1C			
2866-A2A			
-A2B			
-A2C			

Client Sample # (s): 2866-A1A ——— 2866-A22C **Total # of Samples:** 66

Relinquished (Client): Danny, Vany **Date:** 6/22/21 **Time:** 21:30

Received (Lab): RP (EFE) **Date:** 6/24/21 **Time:** 9:30am

Comments/Special Instructions: Please see field forms
Positive stop analysis

Asbestos Chain of Custody

LA Testing Order Number (*Lab Use Only*):

#322111650

PHONE: ( )
FAX: ( )

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
2866-A3A	Please see field forms	Bulk	6/21/21
-A3B	positive stop analysis		
-A3C			
2866-A22A			
-A22B			
-A22C			

***Comments/Special Instructions:**

Page 2 of 2 pages

#322111650

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times: 6/8/21

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
2	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Ceiling, eaves, walls	Lt. Pink	P/SC	Concrete	G (F) P	Y (N) / TSI S (M)	6,000	

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 1 A	Ewa wing	wall	51	
2866-A 1 B	Diamond Head wing	wall		
2866-A 1 C	Diamond Head wing	wall		

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
4	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Walls, Columns	Beige	P/SC	Concrete	(G) F P	Y (N) / TSI S (M)	10,000	

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 2 A	Ewa wing	Wall	52	
2866-A 2 B	Diamond Head wing	column		
2866-A 2 C	Diamond Head wing	wall		

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
12	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Walls, Floor	Black	Coating	Concrete	G F (P)	Y (N) / TSI S (M)	8,000	

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 3 A	Ewa wing	wall	00060	
2866-A 3 B	Diamond Head wing	wall		
2866-A 3 C	Diamond Head wing	wall		

#322111650

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times: 6/8/21

HM ID	Building	Flr.	~~Area~~ Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area ~~Sq. ft~~ or L. ft	Hatch Color
14	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa wing	Eave	Beige	Textured P/SC	Concrete	(G) F P	Y (N) / TSI S (M)	5,000	//

Sample ID	~~Area~~ Room Sampled	Sample Location	PIC ID	Notes
2866-A 4 A	Ewa wing	Eave	63	
2866-A 4 B	Ewa wing	Eave		
2866-A 4 C	Diamond Head wing	Eave		

HM ID	Building	Flr.	~~Area~~ Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
16	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa wing	Floor	Gray	Grout	3"x9" ceramic tile	(G) F P	Y (N) / TSI S (M)	1,000	//

Sample ID	~~Area~~ Room Sampled	Sample Location	PIC ID	Notes
2866-A 5 A	Ewa wing	Floor	00062	
2866-A 5 B	Ewa wing	Floor		
2866-A 5 C	Diamondhead wing	Floor		

HM ID	Building	Flr.	~~Area~~ Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
18	Daniel K. Inouye International Airport	2	Diamond Head Wing,	walls	Beige	P/SC	CMU	(G) F P	Y (N) / TSI S (M)	1,000	~

Sample ID	~~Area~~ Room Sampled	Sample Location	PIC ID	Notes
2866-A 6 A	Diamond Head Wing	wall	00065	
2866-A 6 B	↓	↓		
2866-A 6 C				

#322111650

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times: 6/8/21

HM ID	Building	Flr.	Area ~~Rooms~~	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or ~~L. ft~~	Hatch Color
19	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Road way	Black	expansion joint	Concrete	G F P	Y N / TSI S M	2,000	

Sample ID	~~Area Room~~ Sampled	Sample Location	PIC ID	Notes
2866-A 7 A	Ewa wing	Roadway	00066	
2866-A 7 B	Diamond Head Wing	↓		
2866-A 7 C	Diamond Head Wing			

HM ID	Building	Flr.	Area ~~Rooms~~	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area ~~Sq. ft~~ or L. ft	Hatch Color
20	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa Wing	walls	Gray	Grout	12"x12" ceramic tiles	G F P	Y N / TSI S M	200	

Sample ID	~~Area Room~~ Sampled	Sample Location	PIC ID	Notes
2866-A 8 A	Ewa wing	Wall	00081	
2866-A 8 B	Ewa wing	wall		
2866-A 8 C	Diamond Head wing	wall		

HM ID	Building	Flr.	Area ~~Rooms~~	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or ~~L. ft~~	Hatch Color
21	Daniel K. Inouye International Airport	2	Ewa Wing	Floor	Lt. gray	Caulking	Concrete	G F P	Y N / TSI S MR	500	

Sample ID	~~Area Room~~ Sampled	Sample Location	PIC ID	Notes
2866-A 9 A	Ewa wing	Floor	00072	
2866-A 9 B	↓	↓		
2866-A 9 C				

#322111650

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times: 6/8/21

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
23	Daniel K. Inouye International Airport	3	Diamond Head wing Ewa wing	walls	Lt. pink	P/SC	Concrete	G (F) P	Y (N) TSI S (M)	6,000	

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 10 A	Ewa wing	wall	00067	
2866-A 10 B	Ewa wing	wall		
2866-A 10 C	Diamond Head wing	wall		

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
25	Daniel K. Inouye International Airport	3	Diamond Head wing Ewa wing	walls, columns	Beige	P/SC	Concrete	(G) F P	Y (N) TSI S (M)	8,000	

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 11 A	Ewa	wall	00068	
2866-A 11 B	Ewa	column		
2866-A 11 C	Diamond Head Wing	wall		

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
27	Daniel K. Inouye International Airport	3	Diamond Head Wing Ewa wing	wall	Beige	P/SC	Concrete block	(G) F P	Y (N) TSI S (M)	1,000	

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 12 A	Ewa wing	wall	00069	
2866-A 12 B	Ewa wing	wall		
2866-A 12 C	Diamond head wing	wall		

#322111650

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times:

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
29	Daniel K. Inouye International Airport	3	Diamond Head Wing, Ewa Wing	Walls, Floor	Black	Coating	Concrete	G (F) P	Y (N) / TSI S (M)	3,000	X X

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 13 A	Ewa Wing	Wall	00087	
2866-A 13 B	Ewa Wing	wall		
2866-A 13 C	Diamond Head Wing	Wall		

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
30	Daniel K. Inouye International Airport	3	Diamond Head Wing Ewa Wing	Floor	Lt. gray	Caulking	Concrete	G (F) P	Y (N) / TSI S (M)	1,000	—

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 14 A	Ewa Wing	Floor	00096	
2866-A 14 B	Ewa Wing	Floor		
2866-A 14 C	Diamond Head Wing	Floor		

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
32	Daniel K. Inouye International Airport	3	Diamond Head Wing	Eave	White	Textured P/sc	Concrete	G F P	Y (N) / TSI S (M)	3,000	//

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 15 A	Diamond Head Wing	Eave	00075	
2866-A 15 B	Diamond Head Wing	Eave		
2866-A 15 C	Diamond Head Wing	Eave		

#322111650

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times: 6/8/21

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
37	Daniel K. Inouye International Airport	3	Diamond Head Wing, Ewa Wing	Road way	White w/ Black	expension Joint	concrete	G F P	Y (N) / TSI S (M)	21,000	

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 16 A	Diamond Head wing	Roadway	00076	
2866-A 16 B	Diamond Head wing	Roadway		
2866-A 16 C	Diamond Head Wing	Roadway		

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
38	Daniel K. Inouye International Airport	3	Diamond Head wing,	walls	Gray	Grout	12"x 12" ceramic tiles	G F P	Y (N) / TSI S (M)	200	

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 17 A	Diamond Head wing	wall	00099	
2866-A 17 B	Diamond Head wing	wall		
2866-A 17 C	Diamond Head wing	wall		

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
40	Daniel K. Inouye International Airport	3	Ewa Wing	Road Way	white	Coating	Concrete	G (F) P	Y (N) / TSI S (M)	20	

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 18 A	Ewa Wing	Road way	0101	
2866-A 18 B	Ewa Wing	Road way		
2866-A 18 C	Ewa Wing	Road way		

#322111650

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times:

HM ID	Building	Flr.	~~Area~~ Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
42	Daniel K. Inouye International Airport	3	Ewa Wing	Roadway	Gray	Skim Coat	Concrete	G (F) P	Y (N) / TSI S (M)	100	Black Pen

Sample ID	~~Area~~ Room Sampled	Sample Location	PIC ID	Notes
2866-A 19 A	Ewa Wing	Roadway	0102	
2866-A 19 B	Ewa Wing	Roadway		
2866-A 19 C	Ewa Wing	Roadway		

HM ID	Building	Flr.	~~Area~~ Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
44	Daniel K. Inouye International Airport	1	Diamond Head wing	Ceiling, eaves	Beige	P/SC	Concrete	G F P	Y (N) / TSI S (M)	3,000	

Sample ID	~~Area~~ Room Sampled	Sample Location	PIC ID	Notes
2866-A 20 A	Diamond Head wing	Ceiling	00018	
2866-A 20 B	↓	↓		
2866-A 20 C	↓	↓		

HM ID	Building	Flr.	~~Area~~ Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
46	Daniel K. Inouye International Airport	1	Diamond Head Wing	Wall	Beige	P/SC	CMU	G F P	Y (N) / TSI S (M)	2,000	

Sample ID	~~Area~~ Room Sampled	Sample Location	PIC ID	Notes
2866-A 21 A	Diamond Head Wing	Wall	00017	
2866-A 21 B	↓	Wall		
2866-A 21 C	↓	Wall		

#322111650

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, ~~KS~~** Survey Dates and Times: 6/27/21

HM ID	Building	Flr.	~~Rooms~~ Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
48	Daniel K. Inouye International Airport	1	Diamond Head Wing	Columns, Walls	Lt. Pink	P/SC	Concrete	G F P	Y (N) / TSI S (M)	1,000	

Sample ID	~~Room~~ Area Sampled	Sample Location	PIC ID	Notes
2866-A 22A	Diamond Head Wing	Column	0021	
2866-A 22 B	↓	Column		
2866-A 22 C		Wall		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
	Daniel K. Inouye International Airport							G F P	Y N / TSI S M		

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
2866-A A				
2866-A B				
2866-A C				

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
	Daniel K. Inouye International Airport							G F P	Y N / TSI S M		

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
2866-A A				
2866-A B				
2866-A C				

LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322111885
Customer ID: 32MYOU50
Customer PO:
Project ID:

Attention: Danny Falanug
Myounghee Noh & Associates, LLC
99-1046 Iwaena Street
Suite 210A
Aiea, HI 96701
Project: REF PLM REPORT: 322111650 | 2866_2 International Airport

Phone: (808) 484-9214
Fax:
Received: 06/28/2021 5:55 PM
Analysis Date: 06/30/2021
Collected:

Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using the 1,000 Point Count Procedure

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A1A-Skim Coat *322111885-0001*	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.1% Chrysotile**
2866-A1B-Skim Coat *322111885-0002*	2 - Lt. pink, P/SC,	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.1% Chrysotile**
2866-A1C-Skim Coat *322111885-0003*	2 - Lt. pink, P/SC,	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.1% Chrysotile**
2866-A10A-Composite Texture Paint/Skim Coat *322111885-0004*	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.1% Chrysotile**
2866-A10B-Composite Texture Paint/Skim Coat *322111885-0005*	23 - Lt. pink, P/SC, concrete	Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.1% Chrysotile**
2866-A10C-Composite Texture Paint/Skim Coat *322111885-0006*	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.1% Chrysotile**
2866-A11B-Concrete *322111885-0007*	25 - Beige, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.1% Chrysotile**
2866-A12A-Comp Texture Paint/Skim Coat *322111885-0008*	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.1% Chrysotile**

Initial report from: 06/30/2021 11:28:52

LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322111885
Customer ID:	32MYOU50
Customer PO:	
Project ID:	

Attention:	Danny Falanug Myounghee Noh & Associates, LLC 99-1046 Iwaena Street Suite 210A Aiea, HI 96701	**Phone:**	(808) 484-9214
		Fax:	
		Received:	06/28/2021 5:55 PM
		Analysis Date:	06/30/2021
		Collected:	
Project:	REF PLM REPORT: 322111650 | 2866_2 International Airport		

Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using the 1,000 Point Count Procedure

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A12B-Comp Texture Paint/Skim Coat *322111885-0009*	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.1% Chrysotile**
2866-A12C-Comp Texture Paint/Skim Coat *322111885-0010*	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.1% Chrysotile**

Analyst(s)

Guillermo Hernandez (10)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Initial report from: 06/30/2021 11:28:52

McKissack, Annette #322111885

From: Cavadini, Randy
Sent: Monday, June 28, 2021 5:55 PM
To: LA Testing Lab - Pasadena
Subject: FW: Point Count Request

Hello again Pas lab,

Kristin has one more sample that she'd like point counted, in conjunction with her previous request.

Thanks!

Randy Cavadini | *Regional Sales Account Manager*
EMSL Analytical, Inc. | 3356 West Catalina Dr. | Phoenix, AZ 85017
Phone: 602-652-2073 Cell: 213-393-8207 | Fax: 602-276-4053 | Toll Free: 866-798-1089

From: Kristin Cabanila <kristin@noh-associates.com>
Sent: Monday, June 28, 2021 17:32
To: Cavadini, Randy <rjcavadini@EMSL.com>
Cc: Kealohi Serrao <Kealohi@noh-associates.com>; Danny Falanug <danny@noh-associates.com>
Subject: RE: Point Count Request

[EXTERNAL E-MAIL]

Randy,

My apologies. I need to add one more sample to the point count order,

2866-A11B-Comp texture paint/skim coat

Thank you for your help.

Kristin Cabanila
Office Manager

#322111885

From: Cavadini, Randy [mailto:rjcavadini@EMSL.com]
Sent: Monday, June 28, 2021 1:09 PM
To: Kristin Cabanila <kristin@noh-associates.com>
Cc: Kealohi Serrao <Kealohi@noh-associates.com>; Danny Falanug <danny@noh-associates.com>
Subject: RE: Point Count Request

Hi Kristin,

I'll pass this along to the lab, and will let you know if there are any issues. Thanks!

Randy Cavadini | *Regional Sales Account Manager*
EMSL Analytical, Inc. | 3356 West Catalina Dr. | Phoenix, AZ 85017
Phone: 602-652-2073 Cell: 213-393-8207 | Fax: 602-276-4053 | Toll Free: 866-798-1089

COVID-19 Update: *EMSL Analytical, Inc. remains open as an essential business. To view real-time status updates for each of our 46 laboratories in the US and Canada, download EMSL's free smart device application via the iTunes App Store - Apple or Google Play. APP updates are posted under Support / Lab Hours.*

Some of the resources EMSL Analytical, Inc. offers to our clients:
LABConnect | Order Products | Client Corner | Training | Additional Resources | Sampling Videos

From: Kristin Cabanila <kristin@noh-associates.com>
Sent: Monday, June 28, 2021 16:08
To: Cavadini, Randy <rjcavadini@EMSL.com>
Cc: Kealohi Serrao <Kealohi@noh-associates.com>; Danny Falanug <danny@noh-associates.com>
Subject: Point Count Request
Importance: High

[EXTERNAL E-MAIL]

Aloha,

Can I get 1000-point counting for the following samples from the attached lab report:

2866-A1A-Skim coat
2866-A1B-Skim coat
2866-A1C-Skim coat
2866-A10A-Composite
2866-A10B-Composite
2866-A10C-Composite
2866-A12A-Composite
2866-A12B-Composite
2866-A12C-Composite

Please utilize a three day TAT, if feasible.

Thank you,

#322111885

Our business is essential to public safety, and we continue our best efforts to provide you with uninterrupted services. We wish you and your loved ones safety and good health.

Kristin Cabanila
Office Manager
Hilo: (808) 769-4221
Cell: (808) 937-8422

Myounghee Noh & Associates, L.L.C.
Environmental Studies & Consulting Services
99-1046 Iwaena Street, Suite 210A, Aiea, HI 96701; Tel 808-484-9214
16-643 Kipimana Street, Suite 12, Keaau, HI 96749 • +1 808-769-4221
215 Rojas Street, Suite 100, Ixora Industrial Park, Harmon, Guam 96913
www.noh-associates.com

#322111885

LA Testing
520 Mission Street South Pasadena, CA 91030
Tel/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322111650
Customer ID: 32MYOU50
Customer PO: 02866_2
Project ID:

Attention: Danny Falanug
Myounghee Noh & Associates, LLC
99-1046 Iwaena Street
Suite 210A
Aiea, HI 96701
Project: 2866_2 International Airport

Phone: (808) 484-9214
Fax:
Received Date: 06/24/2021 9:30 AM
Analysis Date: 06/25/2021 - 06/28/2021
Collected Date: 06/08/2021

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
2866-A1A-Texture Paint 322111650-0001	2 - Lt. pink, P/SC, concrete	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A1A-Skim Coat 322111650-0001A	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A1B-Texture Coat 322111650-0002	2 - Lt. pink, P/SC, concrete	Pink/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A1B-Skim Coat 322111650-0002A	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A1C-Texture Paint 322111650-0003	2 - Lt. pink, P/SC, concrete	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A1C-Skim Coat 322111650-0003A	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A2A-Texture Paint 322111650-0004	4 - Beige, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2A-Skim Coat 322111650-0004A	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2B-Texture Paint 322111650-0005	4 - Beige, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2B-Skim Coat 322111650-0005A	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2C-Texture Paint 322111650-0006	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2C-Skim Coat 322111650-0006A	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A3A 322111650-0007	12 - Black, coating, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A3B-Silver Paint 322111650-0008	12 - Black, coating, concrete	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A3B-Coating 322111650-0008A	12 - Black, coating, concrete	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
2866-A3C 322111650-0009	12 - Black, coating, concrete				Positive Stop (Not Analyzed)

Initial report from: 06/28/2021 10:11:30

LA Testing #322111885
520 Mission Street South Pasadena, CA 91030
Tel/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322111650
Customer ID:	32MYOU50
Customer PO:	02866_2
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A9B *322111650-0026*	21 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A9C-Caulking *322111650-0027*	21 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A9C-Mastic *322111650-0027A*	21 - Lt. gray, caulking, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A10A-Composite Texture Paint/Skim Coat *322111650-0028* *Unable to separate*	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A10B-CompTexture Paint/Skim Coat *322111650-0029* *Unable to separate*	23 - Lt. pink, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A10C-Comp Texture Paint/Skim Coat *322111650-0030* *Unable to separate*	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A11A-Comp Texture Paint/Skim Coat *322111650-0031*	25 - Beige, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A11A-Mastic *322111650-0031A*	25 - Beige, P/SC, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A11B-Comp Texture Paint/Skim Coat *322111650-0032*	25 - Beige, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A11B-Concrete *322111650-0032A*	25 - Beige, P/SC, concrete	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A11C-Texture Paint *322111650-0033* *No SC present for analysis.*	25 - Beige, P/SC, concrete	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A11C-Concrete *322111650-0033A*	25 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A12A-Comp Texture Paint/Skim Coat *322111650-0034* *Unable to separate*	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A12B-Comp Texture Paint/Skim Coat *322111650-0035* *Unable to separate*	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile

Initial report from: 06/28/2021 10:11:30

LA Testing #322111885
520 Mission Street South Pasadena, CA 91030
Tel/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322111650
Customer ID: 32MYOU50
Customer PO: 02866_2
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
2866-A12C-Texture Paint/Skim Coat 322111650-0036 Unable to separate	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A13A-Coating 1 322111650-0037	29 - Black, coating, concrete	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13A-Coating 2/Texture Like 322111650-0037A Unable to separate	29 - Black, coating, concrete	Gray/Black Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
2866-A13A-Vinyl Wire Wrap Like 322111650-0037B	29 - Black, coating, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13A-Mesh 322111650-0037C	29 - Black, coating, concrete	Black Fibrous Homogeneous	90% Synthetic	10% Non-fibrous (Other)	None Detected
2866-A13B-Coating 1 322111650-0038	29 - Black, coating, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13B-Penetration Mastic 322111650-0038A	29 - Black, coating, concrete	Gray/Black Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
2866-A13B-Paint/Coating 2 322111650-0038B	29 - Black, coating, concrete	Black/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
2866-A13B-Texture Like 322111650-0038C	29 - Black, coating, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13C-Coating 322111650-0039	29 - Black, coating, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13C-Concrete 322111650-0039A	29 - Black, coating, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13C-Mastic 322111650-0039B	29 - Black, coating, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A14A-Mastic 322111650-0040	30 - Lt. gray, caulking, concrete	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
2866-A14A-Caulk 322111650-0040A	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A14B-Mastic 322111650-0041	30 - Lt. gray, caulking, concrete				Positive Stop (Not Analyzed)
2866-A14B-Caulk 322111650-0041A	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A14C 322111650-0042	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 06/28/2021 10:11:30

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322114684
Customer ID:	32MYOU50
Customer PO:	02866_2
Project ID:	

Attention:	Danny Falanug	**Phone:**	(808) 484-9214
	Myounghee Noh & Associates, LLC	**Fax:**	
	99-1046 Iwaena Street	**Received Date:**	08/12/2021 9:30 AM
	Suite 210A	**Analysis Date:**	08/14/2021
	Aiea, HI 96701	**Collected Date:**	08/11/2021
Project:	2866_2 International Airport		

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2866-A23A *322114684-0001*	49	Gray/Black Fibrous Heterogeneous	10% Cellulose	70% Non-fibrous (Other)	20% Chrysotile
2866-A23B *322114684-0002*	49				Positive Stop (Not Analyzed)
2866-A23C *322114684-0003*	49				Positive Stop (Not Analyzed)

Analyst(s)

John Talley (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Initial report from: 08/14/2021 10:58:49

OrderID: 322114684

Asbestos Chain of Custody

LA Testing Order Number (*Lab Use Only*): #322114684

PHONE: ( )
FAX: ( )

Company: Myounghee Noh & Associates, L.L.C.		**EMSL Customer ID:** 32MYOU50	
Street: 99-1046 Iwaena Street, Suite 201A		**City:** Aiea	**State/Province:** Hawaii
Zip/Postal Code: 96701	**Country:** USA	**Telephone #:** (808) 853-3152	**Fax #:**
Report To (Name): Danny Falanug		**Please Provide Results:** ☐ Fax ■ Email	
Email Address:		**Purchase Order:** 02866_2	
Project Name/Number: 2866_2 International Airport		**Connecticut Samples:** ☐ Commercial ☐ Residential	
U.S. State Samples Taken: Hawaii		**EMSL Project ID** (*Internal Use Only*):	

LA Testing-Bill to: ■ Same ☐ Different - If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour | ☐ 6 Hour | ☐ 24 Hour | ■ 48 Hour | ☐ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

**For TEM Air 3 hours through 6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air ☐ Check if samples are from NY
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ■ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NYS 198.8 SOF-V
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (*Semi-Quantitative*)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group** | **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: Danny Falanug | **Samplers Signature:** Danny Falanug

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
2866-A23A	Black waterproofing on Concrete Roadway.	Bulk	8/11/21, 10:30 AM
2866-A23B	↓	↓	↓
2866-A23C	↓	↓	↓

Client Sample # (s): 2866-A23A ——— 2866-A23C **Total # of Samples:** 3

Relinquished (Client): Danny Falanug **Date:** 8/11/21 **Time:** 14:00

Received (Lab): J. Tottle **Date:** 8/12/21 **Time:** 9:30 AM

Comments/Special Instructions:

(FE-E)

Page 1 of _____ pages

Controlled Document – COC-04 Asbestos – R3.1 – 3/30/2017

#322114684

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times: 8/11/21, 10:00

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
49	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa wing	Roadways	Black	waterproofing	CC	G (F) P	Y (N) / TSI S (M)	92,000	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
2866-A 23 A	Diamond Head Wing	Roadway	8265	This material is located ~~under~~ DF beneath approximately 3 1/2" of concrete roadways.
2866-A 23 B	↓	↓		
2866-A 23 C				

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
	Daniel K. Inouye International Airport							G F P	Y N / TSI S M		

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
2866-A A				
2866-A B				
2866-A C				

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM / Type	Area Sq. ft or L. ft	Hatch Color
	Daniel K. Inouye International Airport							G F P	Y N / TSI S M		

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
2866-A A				
2866-A B				
2866-A C				

Hawaii Analytical Laboratory
ANALYTICAL REPORT

Friday, June 25, 2021

Ms. Myounghee Noh
Myounghee Noh & Associates, LLC
99-1046 Iwaena St. Suite 210A
Aiea HI 96701

Phone Number: (808)484-9214
Facsimile:
Email: myounghee@noh-associates.com

Lab Job No: 202105889
Date Submitted: 6/23/2021
Your Project: 2866_2, Daniel K. Inouye International Airport, 6/21/21

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202136629	**2866-P1A**	56	mg/kg	6/24/2021
Comments				
202136630	**2866-P1B**	49	mg/kg	6/24/2021
Comments				
202136631	**2866-P2A**	40	mg/kg	6/24/2021
Comments				
202136632	**2866-P2B**	550	mg/kg	6/24/2021
Comments				
202136633	**2866-P3A**	< 40	mg/kg	6/24/2021
Comments				
202136634	**2866-P3B**	< 40	mg/kg	6/24/2021
Comments				
202136635	**2866-P4A**	< 40	mg/kg	6/24/2021
Comments				
202136636	**2866-P4B**	< 40	mg/kg	6/24/2021
Comments				

Ms. Myounghee Noh
Myounghee Noh & Associates, LLC
99-1046 Iwaena St. Suite 210A
Aiea HI 96701

Phone Number: (808)484-9214
Facsimile:
Email: myounghee@noh-associates.com

Lab Job No: 202105889
Date Submitted: 6/23/2021
Your Project: 2866_2, Daniel K. Inouye International Airport, 6/21/21

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202136637	**2866-P5A**	79	mg/kg	6/24/2021
Comments				
202136638	**2866-P5B**	190	mg/kg	6/24/2021
Comments				
202136639	**2866-P6A**	< 40	mg/kg	6/24/2021
Comments				
202136640	**2866-P6B**	< 40	mg/kg	6/24/2021
Comments				
202136641	**2866-P7A**	< 40	mg/kg	6/24/2021
Comments				
202136642	**2866-P7B**	4200	mg/kg	6/24/2021
Comments				
202136643	**2866-P8A**	550	mg/kg	6/24/2021
Comments				
202136644	**2866-P8B**	< 40	mg/kg	6/24/2021
Comments				
202136645	**2866-P9A**	27000	mg/kg	6/24/2021
Comments				
202136646	**2866-P9B**	38000	mg/kg	6/24/2021
Comments				
202136647	**2866-P10A**	< 40	mg/kg	6/24/2021
Comments				

Ms. Myounghee Noh
Myounghee Noh & Associates, LLC
99-1046 Iwaena St. Suite 210A
Aiea HI 96701

Phone Number: (808)484-9214
Facsimile:
Email: myounghee@noh-associates.com

Lab Job No: 202105889
Date Submitted: 6/23/2021
Your Project: 2866_2, Daniel K. Inouye International Airport, 6/21/21

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202136648	**2866-P10B**	< 40	mg/kg	6/24/2021
Comments				
202136649	**2866-P11A**	130000	mg/kg	6/24/2021
Comments				
202136650	**2866-P11B**	110000	mg/kg	6/24/2021
Comments				
202136651	**2866-P12A**	< 40	mg/kg	6/24/2021
Comments				
202136652	**2866-P12B**	< 40	mg/kg	6/24/2021
Comments				
202136653	**2866-P13A**	< 40	mg/kg	6/24/2021
Comments				
202136654	**2866-P13B**	56	mg/kg	6/24/2021
Comments				
202136655	**2866-P14A**	< 40	mg/kg	6/24/2021
Comments				
202136656	**2866-P14B**	170	mg/kg	6/24/2021
Comments				
202136657	**2866-P15A**	220	mg/kg	6/24/2021
Comments				
202136658	**2866-P15B**	9500	mg/kg	6/24/2021
Comments				

Ms. Myounghee Noh
Myounghee Noh & Associates, LLC
99-1046 Iwaena St. Suite 210A
Aiea HI 96701

Phone Number: (808)484-9214
Facsimile:
Email: myounghee@noh-associates.com

Lab Job No: 202105889
Date Submitted: 6/23/2021
Your Project: 2866_2, Daniel K. Inouye International Airport, 6/21/21

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202136659	**2866-P16A**	< 40	mg/kg	6/24/2021
Comments				
202136660	**2866-P16B**	130	mg/kg	6/24/2021
Comments				
202136661	**2866-P17A**	< 40	mg/kg	6/24/2021
Comments				
202136662	**2866-P17B**	< 40	mg/kg	6/24/2021
Comments				
202136663	**2866-P18A**	< 40	mg/kg	6/24/2021
Comments				
202136664	**2866-P18B**	< 40	mg/kg	6/24/2021
Comments				
202136665	**2866-P19A**	< 40	mg/kg	6/24/2021
Comments				
202136666	**2866-P19B**	< 40	mg/kg	6/24/2021
Comments				
202136667	**2866-P20A**	< 40	mg/kg	6/24/2021
Comments				
202136668	**2866-P20B**	< 40	mg/kg	6/24/2021
Comments				
202136669	**2866-P21A**	420	mg/kg	6/24/2021
Comments				

Ms. Myounghee Noh
Myounghee Noh & Associates, LLC
99-1046 Iwaena St. Suite 210A
Aiea HI 96701

Phone Number: (808)484-9214
Facsimile:
Email: myounghee@noh-associates.com

Lab Job No: 202105889
Date Submitted: 6/23/2021
Your Project: 2866_2, Daniel K. Inouye International Airport, 6/21/21

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202136670	**2866-P21B**	330	mg/kg	6/24/2021
Comments				
202136671	**2866-P22A**	< 40	mg/kg	6/24/2021
Comments				
202136672	**2866-P22B**	< 40	mg/kg	6/24/2021
Comments				
202136673	**2866-P23A**	46	mg/kg	6/24/2021
Comments				
202136674	**2866-P23B**	78	mg/kg	6/24/2021
Comments				
202136675	**2866-P24A**	82	mg/kg	6/24/2021
Comments				
202136676	**2866-P24B**	250	mg/kg	6/24/2021
Comments				
202136677	**2866-P25A**	94	mg/kg	6/24/2021
Comments				
202136678	**2866-P25B**	120	mg/kg	6/24/2021
Comments				
202136679	**2866-P26A**	< 40	mg/kg	6/24/2021
Comments				
202136680	**2866-P26B**	< 40	mg/kg	6/24/2021
Comments				

Ms. Myounghee Noh
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99-1046 Iwaena St. Suite 210A
Aiea HI 96701

Phone Number: (808)484-9214
Facsimile:
Email: myounghee@noh-associates.com

Lab Job No: 202105889
Date Submitted: 6/23/2021
Your Project: 2866_2, Daniel K. Inouye International Airport, 6/21/21

All Quality Control data are acceptable unless otherwise noted.
MRL for lead air is 5ug.
MRL for lead wipe is 10ug.
MRL for lead paint or soil is 40 mg/kg for a 0.25g sample.

General Comments
The sample[s] analysis subject of this analytical report were conducted in general accordance with the procedures associated with the "analytical method" referenced above. Modifications to this methodology may have been made based upon the analyst's professional judgment and / or sample matrix effects encountered. The analysis of sample relates only to the sample analyzed, and may or may not be representative of the original source of the material submitted for our analysis. All analysts participate in interlaboratory quality control testing to continuously document profiency. This report is not to be duplicated except in full without the expressed written permission of Hawaii Analytical Laboratory. This report should not be construed as an endorsement for a product or a service by the AIHA LAP, LLC or any affiliated organizations. Sample and associated sampling / collection data is reported as provided by client. TWA values have been calculated based on information supplied by the client that the laboratory has not independently verified. Results have not been corrected for blank determinations unless noted in remarks. Unless otherwise indicated the sample condition at the time of receipt was acceptable.

Results and Symbols Definitions
> This testing result is greater than the numerical value listed.
< This testing result is less than the numerical value listed.
# = Analytical methods marked with an "#" are not within our AIHA LAP, LLC Scope of Accreditation.
MRL = Method Reporting Limit.

Jennifer Hsu Liao
Laboratory Manager

HAWAII ANALYTICAL LABORATORY, LLC
3615 Harding Avenue, Suite 308
Honolulu, HI 96816
Ph: 808-735-0422 - Fax: 808-735-0047
https://analyzehawaii.com

☐ New Client?

Report To*	:	Danny Falanug & Kristin Cabanila
Company	:	Myounghee Noh & Associates, L.L.C.
Address*	:	99-1046 Iwaena Street, Suite 210A
		Aiea, Hawaii 96701
Phone / Cell No.*	:	Cell: 808-227-7730, Cell: 808-391-2202
Report results to	:	Danny Falanug & Kristin Cabanila
Email / Fax	:	danny@noh-associates.com, kristin@noh-associates.com

Invoice To*	:	Myounghee Noh & Associates, L.L.C.
Company	:	Myounghee Noh & Associates, L.L.C.
Address*	:	99-1046 Iwaena Street, Suite 210A
		Aiea, Hawaii 96701
Phone / Cell No.*	:	Office: 808-484-9214
Purchase Order No.	:	02866_2
Email Invoice To	:	kealohi@noh-associates.com

Need Results By*:
- ☐ 5 Working Days (WD)
- ☐ 4 WD
- ☒ 3 WD
- ☐ 2 WD
- ☐ 24 hours
- ☐ 6 hours or less
- ☐ 4 hours or less
- ☐ 1-2 hours

Site/Project Name: ~~Camp Smith B6~~ Daniel K. Inouye International airport

Client Project No.: 2866_2

Verbal results? ☐

Sampled By & Certif. # : Danny Falanug (Pb-0661)

Special Instructions: Please see field forms results down to 40 mg/kg

PLM POSITIVE STOP Instructions:
- ☐ + stop / SAMPLE
- ☐ + stop / LAYER

Lab Report No.: 202105889

	Sample ID	Sample Description*	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Area / Air Volume	Analysis Requested*	Method Reference	***Lab Sample(s) No.:***
1	2866-P1A	Please see field forms	6/21/2021	Paint Chips	—	Pb Lead	NIOSH 7082m	
2	-P1B							
3								
4								
5								
6								
7								
8								
9								
10								
11	2866-P26A							
12	-P26B							

Relinquished By (Print and Sign)	Date/Time	Received By (Print and Sign)	Date/Time
Danny Falanug, Danny Falanug	~~6/10/2021~~ DF 6/22/21, 21:30	Corin Forrest	06-23-21 A10:17 IN

*Sample description can be paint chips, concrete, specific sample collection location, etc...
If matrix is 'soil', please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the comment section.
All samples submitted are subject to Hawaii Analytical Laboratory terms and conditions.
*Required fields, failure to complete these fields may result in a delay in your samples being processed.

☐ via HAC ☐ via USPS ☑ via drop box ☐ via FedEx ☐ via pick up
awb#: 173-.....

Page: _____ of _____

Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times: 6/8/21/6/11, 6/21

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
1	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa wing	Ceiling, eaves, walls.	Lt. Pink	Paint	Concrete	G (F) P	6,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 1 A	Ewa wing	wall	51	202136629
2866-P 1 B	Diamond Head Wing	wall		202136630

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
3	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa Wing	wall, columns, eaves	Beige	Paint	concrete	(G) F P	10,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 2 A	Ewa wing	wall	52	202136631
2866-P 2 B	Diamond Head wing	column		202136632

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
5	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Ceiling	Black	Paint	concrete	G (F) P	2,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 3 A	Diamond Head Wing	ceiling	53	202136633
2866-P 3 B	Ewa Wing	ceiling		202136634

05889

Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times:

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
6	Daniel K. Inouye International Airport	2	Diamond Head wing Ewa wing	Brackets, trims, Conduits	Black	Paint	Metal	G (F) P	1,000	//

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 4 A	Diamond Head wing	conduit	54	202136635
2866-P 4 B	Ewa wing	bracket		202136636

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
7	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa wing	Conduits	Lt. Pink	Paint	Metal	G F P	40	4

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 5 A	Diamond Head wing ↓	conduit ↓	56	202136637
2866-P 5 B				202136638

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
8	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa wing	Road way	white	Paint	Asphalt	G (F) P	200	++

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 6 A	Ewa wing	Road way	57	202136639
2866-P 6 B	Diamond Head wing	Road way		202136640

05889

Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times:

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
9	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Curb side	Red	Paint	Concrete	G (F) P	1,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 7 A	Ewa Wing	curb	58	202136641
2866-P 7 B	Diamond Head Wing	curb		202136642

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	DF Area Sq. ft or L. ft	Hatch Color
10	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa Wing	Road way	Yellow	Paint	Asphalt	G (F) P	200	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 8 A	Ewa Wing	Roadway	59	202136643
2866-P 8 B	Diamond Head Wing	Roadway		202136644

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
11	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Curb side	Yellow	Paint	Concrete	G (F) P	1,500	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 9 A	Ewa Wing	curb	8257	202136645
2866-P 9 B	Diamond Head Wing	curb		202136646

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Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times: 6/8/21

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
13	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Eaves	Beige	Textured Paint	Concrete	G F P	5,000	//

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 10 A	Ewa wing	Eave	63	202136647
2866-P 10 B	Diamond Head wing	Eave		202136648

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
15	Daniel K. Inouye International Airport	2	Diamond Head Wing	Guardrail	Silver	Paint	Metal	G F P	80	~~~

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 11 A	Diamond Head wing	Guardrail	8274	202136649
2866-P 11 B	Diamond Head Wing	Guardrail		202136650

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
17 ~~16~~	Daniel K. Inouye International Airport	2	Diamond Head Wing	walls	Beige	Paint	CMU	G F P	1,000	~~~

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 12 A	Diamond Head Wing	wall	00065	202136651
2866-P 12 B	↓	↓		202136652

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Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times:

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
22	Daniel K. Inouye International Airport	3	Diamond Head Wing, Ewa Wing	Walls	Lt. Pink	Paint	Concrete	G (F) P	6,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 13 A	Ewa Wing	Wall	00067	202136653
2866-P 13 B	Diamond Head Wing	wall		202136654

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
24	Daniel K. Inouye International Airport	3	Diamond Head Wing, Ewa Wing	Walls, columns, eaves	Beige	Paint	Concrete	(G) F P	8,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 14 A	Ewa Wing	Wall	00068	202136655
2866-P 14 B	Diamond Head Wing	Wall		202136656

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
26	Daniel K. Inouye International Airport	3	Diamond Head Wing, Ewa Wing	Wall	Beige	Paint	CMU	(G) F P	1,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 15 A	Ewa Wing	Wall	00069	202136657
2866-P 15 B	Diamondhedd wing	Wall		202136658

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Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times:

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
28	Daniel K. Inouye International Airport	3	Diamond Head wing Ewa wing	Handrails, guardrail	Beige	Paint	Metal	G F (P)	1,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P16A	Ewa wing	rail	00074	202136659
2866-P16B	Diamond Head Wing	rail		202136660

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
31	Daniel K. Inouye International Airport	3	Diamond Head wing -	Eaves	~~Beige~~ DF White	Textured Paint	Concrete	(G) F P	3,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P17A	Diamonthead wing	Eave	00075	202136661
2866-P17B	Diamondhead wing	Eave		202136662

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
33	Daniel K. Inouye International Airport	3	Diamond Head wing Ewa wing	Road way	White	Paint	Concrete	(G) F P	100	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P18A	Ewa wing	Roadway	00078	202136663
2866-P18B	Diamond Head Wing	Roadway		202136664

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Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times:

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
34	Daniel K. Inouye International Airport	3	Diamond Head wing	Curb side	Yellow	paint	concrete	(G) F P	600	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 19 A	Diamond Head wing	curb	00079	202136665
2866-P 19 B	Diamond Head wing	curb		202136666

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
35	Daniel K. Inouye International Airport	3	Ewa wing	Handrail	Brown	Paint	Metal	(G) F P	500	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 20 A	Ewa Wing	handrail	0091	202136667
2866-P 20 B	Ewa Wing	handrail		202136668

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
36	Daniel K. Inouye International Airport	3	Ewa wing	Guardrail	Yellow	Paint	Metal	G (F) P	80	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P 21 A	Ewa Wing	Guardrail	8329	202136669
2866-P 21 B	Ewa Wing	Guardrail		202136670

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Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times:

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
39	Daniel K. Inouye International Airport	3	Ewa Wing	Road way	white	Coating	Concrete	G (F) P	20	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P22 A	Ewa Wing	Road Way	0101	202136671
2866-P22 B	Ewa Wing	Road Way		202136672

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
41	Daniel K. Inouye International Airport	1	Diamond Head Wing	Conduits, electrical boxes, Pipes	Lt. Pink	Paint	Metal	G F (P)	1,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P23 A	Diamond Head wing	Conduit	00018	202136673
2866-P23 B	↓	Pipes		202136674

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
43	Daniel K. Inouye International Airport	1	Diamond Head Wing	Ceiling, eaves, Columns	Beige	Paint	Concrete	(G) F P	3,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P24 A	Diamond Head Wing	Ceiling	00018	202136675
2866-P24 B	↓	Column		202136676

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Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: **2866_2** Location: **Daniel K. Inouye International Airport** Inspector Initials: **DF, KS** Survey Dates and Times:

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
45	Daniel K. Inouye International Airport	1	Diamond Head Wing	Wall	Beige	Paint	CMU	(G) F P	2,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P25A	Diamond Head Wing	Wall	00017	202136677
2866-P25B	↓	Wall		202136678

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
47	Daniel K. Inouye International Airport	1	Diamond Head Wing	Columns, Walls	Lt. Pink	Paint	Concrete	(G) F P	1,000	

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P26A	Diamond Head Wing	Column	00021	202136679
2866-P26B	↓	Wall		202136680

HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
	Daniel K. Inouye International Airport							G F P		

Sample ID	Area Sampled	Sample Location	PIC ID	Notes
2866-P A				
2866-P B				

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