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DAVID Y. IGE
GOVERNOR OF HAWAII



ELIZABETH A. CHAR, M.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 3378
HONOLULU, HI 96801-3378

In reply, please refer to:
File:

February 23, 2022

TO: Community Noise Permit Applicant
FROM: Shawn Haruno
Acting Noise Section Supervisor
Indoor and Radiological Health Branch
SUBJECT: Community Noise Permit #O 22-087 Approval

DIRECTOR'S OFFICE
DEPT. OF
TRANSPORTATION
2022 MAR - 2 P 2: 18

Please be advised that your Community Noise Permit is hereby granted.

If additional time is necessary for the completion of the project, the applicant shall submit a request for extension, along with an updated work schedule, prior to the **expiration date**. Extensions to Community Noise Permits may be subject to additional annual fees.

Extensions or modifications of a permit shall be submitted in writing to the following address:

State of Hawaii
Department of Health
Indoor and Radiological Health Branch
Attn: Noise Section
99-945 Halawa Valley Street
Aiea, Hawaii 96701

Should you have any questions, please contact our office at (808) 586-4700.

Thank you for your cooperation.

DAVID Y. IGE
GOVERNOR



JADE T. BUTAY
DIRECTOR

Deputy Directors
ROSS M. HIGASHI
EDUARDO P. MANGLALLAN
PATRICK H. MCCAIN
EDWIN H. SNIFFEN

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097


2022 FEB 15 A 9:47 IN REPLY REFER TO:
HWY-DB 2.3498

February 9, 2022

HAND DELIVERED

TO: ELIZABETH A. CHAR, M.D.
DIRECTOR OF HEALTH

ATTN: SHAWN HARUNO
NOISE SECTION SUPERVISOR
INDOOR AND RADIOLOGICAL HEALTH BRANCH

FROM: JADE T. BUTAY 
DIRECTOR OF TRANSPORTATION

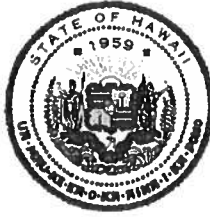
SUBJECT: COMMUNITY NOISE PERMIT APPLICATION
INTERSTATE ROUTE H-1 AND H-201 DESTINATION SIGN
UPGRADE/REPLACEMENT, PHASE 3
HONOULIULI, WAIAWA, HALAWA, MOANALUA, KAPALAMA
KALIHI AHUPUAA, EWA AND KONA MOKU, ISLAND OF OAHU
TAX MAP KEY NO. 1-ROADWAY RIGHT-OF-WAY
FEDERAL-AID PROJECT NO. NH-0300(144)

Enclosed is our Community Noise Permit application for the subject project in triplicate and a check for \$100.00 to request a two-year permit. Please note that this current application is a request to obtain a new permit for the project described in Community Noise Permit #O 18-464, which was approved in February, 2019 for the period from October 1, 2019 to September 30, 2020.

Should you have any questions, please contact our Project Manager, Mr. James Fu at (808) 692-7611, Bridge Design Section, Design Branch, Highways Division or by email at james.fu@hawaii.gov. If submitting a written reply, please reference HWY-DB 2.3498 as shown above.

Enclosures

c: Nami Ohtomo, WSP
Calvin Miyahara, KSF



INCORPORATED
FEBRUARY 1898
2022 FEB 16 A 9:47

**State of Hawaii
Department of Health**

Application for Community Noise Permit

Permit is required by Title 11, Administrative Rules, Department of Health, Chapter 46, Community Noise Control.

Part I. Applicant Information

| | | |
|--|----------------|-------------------------------------|
| Name of Company Department of Transportation, Highways Division | | Authorized Individual Jade Butay |
| Mailing Address 869 Punchbowl Street | | Title Director of Transportation |
| City Honolulu, HI | State 96813 | Zipcode 96813 |
| | | Phone (808) 587-2150 |

Part II. Community Noise Permit Fee Schedule (Annual) *Check one box

- Activities involving demolition, construction, extension, additions, or renovation of a single family dwelling \$25
- All other construction activities \$50
- Operation of stationary noise sources \$50
- Equipment related to agricultural activities \$50
- Equipment related to industrial activities \$50

Part III. Description of Activity

Interstate Route H-1 and H-201 Destination Sign Upgrade/Replacement, Phase 3. See attachments.

Part IV. Location of Activity *Attach map if necessary

Please see attachments.

Part V. Equipment to be utilized *Attach list if necessary

Please see attachments.

Part VI. Estimated duration of construction activity

*Attach activity schedule for construction activities or attenuation of stationary sources.

| | |
|-----------------------|---------------------|
| From November 2022 | To December 2023 |
|-----------------------|---------------------|

Certification of Individual Authorized to Act for Applicant

I certify that I have knowledge of the facts herein set forth and that the same are true and correct to the best of my knowledge and belief. Acceptance of this permit constitutes an acknowledgement and agreement that the permittee will comply with all rules, regulations and orders of the department and the conditions precedent to the granting of this permit.

| | |
|---------------|----------------------|
| Signature | Date Feb 10, 2022 |
|---------------|----------------------|

Please make checks payable to: **STATE DEPARTMENT OF HEALTH**

Return this application with the appropriate attachments to: Indoor and Radiological Health Branch
Noise Section
99-945 Halawa Valley Street
Aiea, Hawaii 96701

All fees are non-refundable.

There will be a service fee of \$25.00 for any check dishonored by the bank.

If you have any questions call our office at (808) 586-4700.

| | | | |
|---------------|-------------|-----------------|------------|
| Date Received | FEB 16 2022 | Permit Number | 0 22-087 |
| Fee Paid | \$100.00 | Receipt No. | 2022-63416 |
| Date Approved | 2/23/22 | Expiration Date | 12/31/23 |
| Date Issued | 11/1/22 | | |

Interstate Route H-1 and H-201 Destination Sign Upgrade/Replacement, Phase 3

FAP No. NH-0300(144)

NOISE PERMIT ATTACHMENTS

Part III. Description of Activity

This application is a request to obtain a new permit for the project described in Community Noise Permit #O 18-464 which was approved in February 2019 for the period from October 1, 2019 to September 30, 2020.

The Hawaii State Department of Transportation (HDOT) is proposing to upgrade/replace destination signs, support structures and foundations at 11 discrete locations along Interstate Route H-1 and H-201 (Moanalua Freeway) between Kunia and Kalihi on the Island of Oahu. The proposed construction will be within the highway right-of-way (ROW). The individual project locations are shown in Figure 1, and photos of all signs are provided in Figure 2.

The purpose of this project is to improve safety and traffic operations on Oahu's Freeway system by replacing aging overhead signs with new, highly retroreflective signs and upgrading sign structures to meet current standards. This project is a Capital Improvements Program (CIP) project utilizing Federal funds. This report addresses the third phase of sign upgrades/replacement along the H-1, H-2 and H-201 corridors.

For most of the sign posts, the construction work will consist of drilled shafts, 4 to 5 feet in diameter and up to 60 feet deep depending on subsurface conditions. Rebar will be placed in the shaft and concrete poured. Around the top of the drilled shaft will be a 5- to 6- foot square pedestal. A post or posts will be erected to support the sign. Most of the signs span one direction of the freeway and have supports on both the shoulder and median of the freeway; other signs may be cantilevered with a single support post. The existing sign supports will be removed, and underground foundations will be abandoned in place.

Construction will take place during both daytime and night-time hours for safety reasons and to minimize project duration, construction costs, and hardship on motorists. Therefore, HDOT is separately also applying for a Community Noise Variance, in addition to the Community Noise Permit, to allow certain construction activities which will require full freeway/roadway closures or the closure of multiple lanes for safety reasons.

The following activities, which can be conducted without full freeway closure, will be conducted during the daytime hours covered by the Community Noise Permit:

- Installation of drilled shafts
- Removal of sign posts and above-ground foundation elements
- Underground utility relocations
- Removal and installation of metal guardrails and end treatments
- Demolition and reconstruction of concrete barriers (median and shoulder)

A job-site representative will be designated to whom immediate complaints can be forwarded for prompt response. That representative will have the general responsibility of monitoring quiet work procedures. Contact information for that job-site representative will be provided after Contractor selection. In addition, HDOT's Resident Engineers will be available to handle any noise complaints that may arise during construction. HDOT will provide the names and contact information of its Resident Engineers to DOH and to the public when this information becomes available prior to start of construction.

Part IV. Location of Activity

The proposed construction activity will occur at 11 discrete locations along Interstate Route H-1 and H-201 (Moanalua Freeway) between Kunia and Kalihi on the Island of Oahu. The individual project locations are shown in Figure 1 and Figure 2.

Part V. Equipment to be Utilized

The following provides a list of equipment that is likely to be used along with the associated operational noise level of that equipment.

| Equipment Description | Impact Device? | Spec. 721.560 Lmax @ 50 feet (dBA, slow) | Actual Measured Lmax @ 50 feet (dBA, slow) (Samples Averaged) |
|-------------------------------|-----------------------|---|--|
| Auger Drill Rig | No | 85 | 84 |
| Backhoe | No | 80 | 78 |
| Compactor (ground) | No | 80 | 83 |
| Compressor (air) | No | 80 | 78 |
| Concrete Mixer Truck | No | 85 | 79 |
| Concrete Pump Truck | No | 82 | 81 |
| Concrete Saw | No | 90 | 90 |
| Crane | No | 85 | 81 |
| Drill Rig Truck | No | 84 | 79 |
| Dump Truck | No | 84 | 76 |
| Excavator | No | 85 | 81 |
| Flat Bed Truck | No | 84 | 74 |
| Forklift* | No | n.a. | n.a. |
| Front End Loader | No | 80 | 79 |
| Generator | No | 82 | 81 |
| Generator (<25KVA, VMS Signs) | No | 70 | 73 |
| Jackhammer | Yes | 85 | 89 |
| Man Lift | No | 85 | 75 |

| | | | |
|---|-----|------|------|
| Mounted Impact Hammer (hoe ram) | Yes | 90 | 90 |
| Pavement Scarifier | No | 85 | 90 |
| Paver | No | 85 | 77 |
| Pickup Truck | No | 55 | 75 |
| Pneumatic Hand Tools (e.g. impact drivers, impact wrenches)** | Yes | n.a. | n.a. |
| Pumps | No | 77 | 81 |
| Rivit Buster/Chipping Gun | Yes | 85 | 79 |
| Rock Drill | No | 85 | 81 |
| Roller | No | 85 | 80 |
| Scraper | No | 85 | 84 |
| Vacuum Street Sweeper | No | 80 | 82 |
| Welder/Torch | No | 73 | 74 |

Source: Table 9.1, U.S. Department of Transportation, Construction Noise Handbook, FHWA-HEP-06-015, Final Report: August 2006.

*Not included in Construction Noise Handbook.

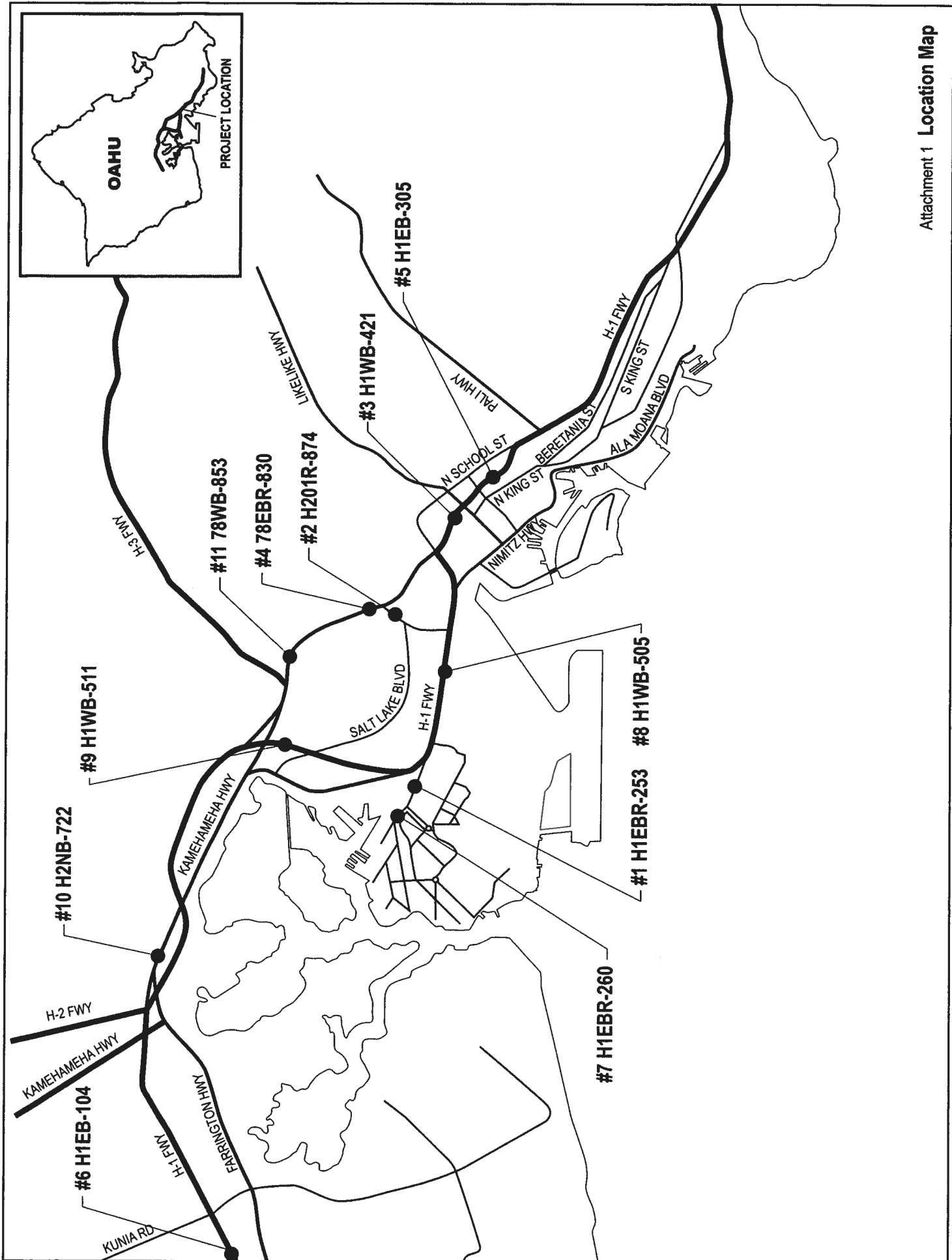
**Text modified from Construction Noise Handbook.

n.a. = not available

Part VI. Estimated duration of construction activity

The proposed project schedule is shown in Figure 3. The Project is estimated to begin in November 2022 and is expected to be completed in December 2023. In order to accommodate possible contracting and construction delays, this request is for a two-year Community Noise Permit from November 1, 2022 to October 31, 2024.

Figure 1
Location Map



Attachment 1 Location Map

Figure 2
Sign Location Photographs

INTERSTATE ROUTE H-1 AND H-201 DESTINATION SIGN UPGRADE/REPLACEMENT, PHASE 3
FAP NO. NH-0300(144)

Priority 1 – H1EBR-253



Priority 2 – H201R-874



Priority 3 – H1WB-421



Priority 4 – 78EBR-830



Priority 5 – H1EB-305



Priority 6 – H1EB-104



INTERSTATE ROUTE H-1 AND H-201 DESTINATION SIGN UPGRADE/REPLACEMENT, PHASE 3
FAP NO. NH-0300(144)

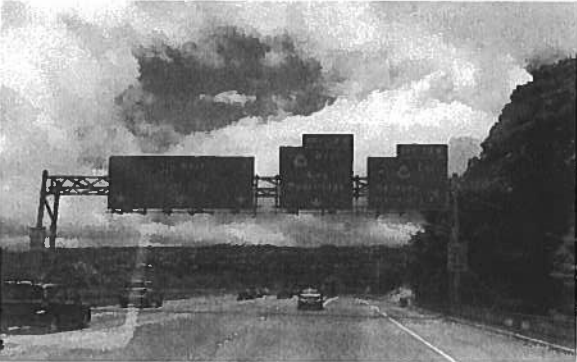
Priority 7 – H1ER-260



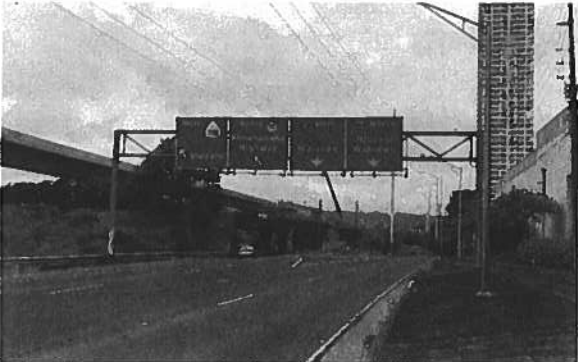
Priority 8 – H1WB-505



Priority 9 – H1WB-511



Priority 10 – H2NBR-722



Priority 11 – 78WB-853



Figure 3
Schedule

PERMIT No. O 22 - 087

STATE OF HAWAII
DEPARTMENT OF HEALTH
INDOOR AND RADIOLOGICAL HEALTH BRANCH

COMMUNITY NOISE PERMIT FOR CONSTRUCTION ACTIVITIES

PURSUANT TO THE PROVISIONS OF CHAPTER 342F, HAWAII REVISED STATUTES, AND CHAPTER 11-46, HAWAII ADMINISTRATIVE RULES,
THIS PERMIT IS HEREBY GRANTED TO:

DEPT. OF TRANSPORTATION, HIGHWAYS DIVISION

COMPANY OR INDIVIDUAL

JADE BUTAY - DIRECTOR OF TRANSPORTATION

NAME OF AUTHORIZED INDIVIDUAL

AT INTERSTATE ROUTE H-1 AND H-2

(LOCATION OF ACTIVITY)

DURING THE HOURS OF 7:00 A.M. TO 6:00 P.M., MONDAY THROUGH FRIDAY AND 9:00 A.M. TO 6:00 P.M., SATURDAY
(EXCEPT SUNDAYS AND HOLIDAYS)

NOVEMBER 1, 2022

DATE ISSUED

DECEMBER 31, 2023

EXPIRATION DATE

THIS PERMIT IS GRANTED UPON THE EXPRESSED PROVISION THAT THE HOLDER WILL COMPLY WITH ALL RULES, REGULATIONS AND
ORDERS OF THE DEPARTMENT AND THE CONDITIONS PRECEDENT TO THE GRANTING OF THIS PERMIT.

DIRECTOR OF HEALTH

By Shawn Haruno

ACTING NOISE SECTION SUPERVISOR

TITLE

SPECIAL RESTRICTIONS AND CONDITIONS: USE OF THE CONCRETE SAW, JACKHAMMER, HOERAM, PAVEMENT
SCARIFIER, IMPACT DRIVERS, IMPACT WRENCHES, RIVETBUSTERS, & CHIPPING GUNS SHALL
BE LIMITED TO 9:00 A.M. TO 5:30 P.M., MONDAY THROUGH FRIDAY. THE CONTRACTOR SHALL
NOTIFY THE SURROUNDING PROPERTIES PRIOR TO HOERAM ACTIVITIES.

*SEE GENERAL RESTRICTIONS AND CONDITIONS ON BACK.

THIS PERMIT IS GRANTED IN ACCORDANCE WITH THE FOLLOWING RESTRICTIONS AND CONDITIONS:

1. NO PERMIT SHALL ALLOW ANY CONSTRUCTION ACTIVITIES WHICH EMIT NOISE IN EXCESS OF THE MAXIMUM PERMISSIBLE SOUND LEVELS FOR THE HOURS BEFORE 7:00 A.M. AND AFTER 6:00 P.M. OF THE SAME DAY, MONDAY THROUGH FRIDAY.
2. NO PERMIT SHALL ALLOW ANY CONSTRUCTION ACTIVITIES WHICH EMIT NOISE IN EXCESS OF THE MAXIMUM PERMISSIBLE SOUND LEVELS FOR THE HOURS BEFORE 9:00 A.M. AND AFTER 6:00 P.M. ON SATURDAY.
3. NO PERMIT SHALL ALLOW ANY CONSTRUCTION ACTIVITIES WHICH EMIT NOISE IN EXCESS OF THE MAXIMUM PERMISSIBLE SOUND LEVELS ON SUNDAYS AND ON HOLIDAYS.
4. NO PERSON SHALL OPERATE NOR SHALL ITS OWNER PERMIT THE OPERATION OF AN ON-SITE VEHICLE, CONSTRUCTION EQUIPMENT, OR DEVICE, WITH A MOTOR OR EXHAUST SYSTEM OR BOTH, WITHOUT A MUFFLER. THIS SUBPARAGRAPH SHALL NOT APPLY TO PILE HAMMERS AND PNEUMATIC HAND TOOLS WEIGHING LESS THAN FIFTEEN POUNDS.
5. NO PERSON SHALL OPERATE NOR SHALL ITS OWNER PERMIT THE OPERATION OF AN ON-SITE VEHICLE, CONSTRUCTION EQUIPMENT, TOOL OR DEVICE ON ANY PREMISES OR A CONSTRUCTION SITE, WITH A MOTOR OR EXHAUST SYSTEM OR BOTH, WHICH HAS BEEN ALTERED, MODIFIED, OR REPAIRED; PROVIDED THIS SUBPARAGRAPH SHALL NOT APPLY IF THE OPERATOR OR OWNER CAN SHOW THAT THE ALTERED, MODIFIED OR REPAIRED COMPONENT IS EQUALLY OR MORE EFFECTIVE THAN THE ORIGINAL COMPONENT IN REDUCING NOISE.
6. SHOULD COMPLAINTS OCCUR AS A RESULT OF THE CONSTRUCTION ACTIVITY, THE HOLDER OF THIS PERMIT SHALL IMPLEMENT ABATEMENT PROCEDURES TO REDUCE NOISE EMISSIONS FROM THE ACTIVITY.
7. SHOULD NOISE EMISSIONS INTERFERE WITH ACTIVITIES WITHIN SCHOOL CLASSROOMS, LIBRARIES OR MULTIPURPOSE FACILITIES; OR DISTURBS PATIENTS IN HOSPITALS OR REST HOMES, THE HOLDER OF THIS PERMIT SHALL COORDINATE WITH FACILITY ADMINISTRATION TOWARD MINIMIZING POTENTIAL ADVERSE NOISE IMPACTS.
8. EACH PERMIT IS NONTRANSFERABLE EITHER FROM ONE LOCATION TO ANOTHER, FROM ONE ACTIVITY TO ANOTHER, OR FROM ONE PERSON TO ANOTHER WITHOUT THE WRITTEN APPROVAL OF THE DIRECTOR.
9. ANY MODIFICATION TO THE PERMIT SHALL BE SUBMITTED IN WRITING.
10. THIS PERMIT SHALL BE POSTED AT THE LOCATION OF THE ACTIVITY AT ALL TIMES.
11. THIS PERMIT DOES NOT RELEASE THE PERMITTEE FROM ANY LIABILITY FOR ANY LOSS DUE TO DAMAGE TO PERSONS OR PROPERTIES CAUSED BY, RESULTING FROM, OR ARISING OUT OF ANY NOISE ABATEMENT PROCEDURES.
12. THIS PERMIT IN NO MANNER IMPLIES OR SUGGESTS THAT THE DEPARTMENT OF HEALTH, OR ITS OFFICERS, AGENTS OR EMPLOYEES ASSUMES ANY LIABILITY, DIRECTLY OR INDIRECTLY, FOR ANY LOSS DUE TO DAMAGE TO PERSONS OR PROPERTIES CAUSED BY OR RESULTING FROM OR ARISING OUT OF ANY NOISE ABATEMENT PROCEDURES.
13. THE DIRECTOR IS AUTHORIZED TO ENTER AND INSPECT THE LOCATION OF ACTIVITY FOR ASCERTAINING COMPLIANCE OR NONCOMPLIANCE WITH ANY RULES, REGULATIONS OR STANDARDS PROMULGATED BY THE DEPARTMENT, TO MAKE REASONABLE NOISE TESTS IN CONNECTION THEREWITH, AND TO RECOMMEND REQUIREMENTS OF ANY NOISE ATTENUATION MEASURES.
14. THE DIRECTOR SHALL BE NOTIFIED, IN WRITING, OF THE PERMANENT TERMINATION OF THE ACTIVITY FOR WHICH THE PERMIT HAS BEEN GRANTED. IF SUCH NOTICE IS NOT RECEIVED BY THE EXPIRATION DATE SPECIFIED IN THE PERMIT, THE PERMIT SHALL AUTOMATICALLY TERMINATE AND THE PERMITTEE SHALL BE DIVESTED OF ALL RIGHTS THEREIN.
15. THIS PERMIT MAY BE SUSPENDED OR REVOKED FOR CAUSE.

Receipt



State of Hawaii - Dept. of Health

Indoor & Rad Health Branch

99-945 Halawa Valley Street

Aiea, HI 96701

Phone: (808) 586-4700 Fax: (808) 586-5838

Receipt Date Receipt Number

| | | | |
|----------------|--|----------------|----------------|
| Name | Dept. of Transportation, Highways Division | Country | USA |
| Address | 869 Punchbowl Street | Phone | (808) 587-2150 |
| | Honolulu HI | | 96813 |

Check Number Delivery method

This is not proof of licensure or permit

Comments Community noise permit fee for Interstate Route H-1 and H-201 Destination Sign Upgrade/Replacement, Phase 3 located at Honouliuli, Waiawa, Halawa, Moanalua, Kapalama, Kalihi Ahupuaa, Ewa and Kona Moku, Oahu.

Check writer:
WSP USA Administration Inc.
4139 Oregon Pike
Ephrata, PA 17522-9550

| Source Code | Source Code ID | Fee Amount |
|-------------|--------------------------------|-----------------|
| 1117 | Noise Permit and Variance Fees | \$100.00 |
| Sum | | \$100.00 |