State of Hawaii, Department of Health, Clean Water Branch
NOI Form C
NOI for HAR, Chapter 11-55, Appendix C - NPDES General Permit Authorizing Discharges of Storm Water Associated With Construction Activities (as defined in 40 CFR §§122.26(b)(14)(x) and 122.26(b)(15)(i))

All sections of this form MUST be completed for National Pollutant Discharge Elimination System (NPDES) General Permit compliance.

C.1 – General Information

You are required to fulfill all requirements and check the box below. If you do not check the box, your NOI will be considered incomplete, and the CWB may deny your request for NPDES permit coverage with prejudice.

☒ *I certify that:*

- *I prepared a Storm Water Pollution Prevention Plan (SWPPP) in accordance with HAR, Chapter 11-55, Appendix C, Section 7 prior to submitting this NOI.*
- *I will comply with all terms, conditions, and requirements in HAR Chapter 11-55, Appendix C.*
- *I will implement, operate, and maintain my SWPPP to ensure that storm water discharges associated with construction activities will not violate HAR, Chapter 11-54; HAR, Chapter 11-55; and HAR, Chapter 11-55, Appendix C.*

C.2 - Existing Pollution Sources/ History of Land Use

Describe the history of land use at the existing Facility/Project site: The State of Hawaii Department of Transportation (HDOT) will be installing upgrades and improvements to the guardrails and shoulders along the Interstate Route H-1 (H-1) between the Kapiolani Interchange and Ainakoa Avenue, Milepost no. 25 and no. 27. The project area is comprised of 25 discontiguous sites along the road right-of-way (ROW) of varying sizes that total approximately 5.3 acres. Historically the area where the H-1 is located was arid and dry until the late 1880s when the land was used to raise cattle and ostriches. In the late 1890s, residential development increased when a water main was installed along Kaimuki Avenue that allowed more residential homes to be built. See **Attachment A-1, Figure 1 - Project Location**.

Determine if the existing Facility/Project site may contain any existing pollution source(s) by using the following references. Place a check next to all references you utilized to determine existing pollution source(s). You are required to check at least one reference.

☒ *a. DOH, Solid and Hazardous Waste Branch-Hawaii Underground Storage Tank- Leaking Underground Storage Tank database*

☒ *b. DOH, Hazard Evaluation and Emergency Response Office records*

☐ c. *Phase I and/or Phase II Environmental Site Assessments, as applicable*
☐ d. *Recent site inspections*
☒ e. *Past land use history*
☐ f. *Soil sampling data, if available*
☐ g. *Other (specify):* N/A

Describe any existing pollution source(s) identified in the references you checked above: There are no known existing pollution sources due to the history of land use on the Project Site.

Describe any corrective measures that have been undertaken for any existing pollution source(s): N/A

C.3 - Construction Site Estimates

Please provide the following estimates for the construction site.

Total project area including areas to be left undisturbed: 51.1 *acres*

Construction site area to be disturbed including storage and staging areas: 5.4 *acres*

Impervious area before construction: 5.3 *acres*

Impervious area after construction: 5.3 *acres*

C.4 - Quantity of Storm Water Runoff

Estimate the quantity of storm water runoff during construction when the greatest and/or maximum area of disturbance occurs. Provide the supporting calculations in an attachment or insert in this section.

See Attachment A-2, Storm Water Runoff Calculations.

Millions of Gallons per Day (MGD)

or

152.2 Cubic Feet per Second (CFS)

C.5 - Soil Characterization

Describe the nature of the soil on the project site (including the potential to encounter contaminated soil) and the nature of the fill material to be used: Soil types within the proposed project site boundary primarily consist of Molokai Silty Clay Loam (MuB) with smaller portions of Ewa Stony Silty Clay (EwC), Kawaihapai Clay Loam (KIA), Kawaihapai Stony Clay Loam (KIaB), Molokai Silty Clay Loam (MuC), and Waialua Silty Clay (WkA). According to the *Soil Survey of Islands of Kauai, Oahu, Maui, Molokai and Lanai, State of Hawaii*, prepared by the United States Department of Agriculture, MuB has 3-7% slopes with slow to medium runoff and a slight to medium erosion hazard. MuB is used in crop agriculture and pasture. EwC has 6-12% slopes with slow to medium runoff and slight to moderate erosion hazard. EwC is used for crops and pasture. KIA has 0-2 % slopes with slow runoff and no more than slight erosion hazard. It is

also a poorly drained soil with moderate permeability and is used for crops and pasture. KIaB has 2-6% slopes with slow runoff and slight erosion hazards. KIaB is used for crops and pasture. MuC has 7-15% slopes with medium runoff and moderate erosion hazards. MuC is used for crops and pasture. WkA has 0-3% slopes with slow runoff and no more than slight erosion hazard. WkA has a moderate permeability and is used for crops and pasture (USDA, 1972). See **Attachment A-1, Figure 3 – Soil Classification**.

C.6 - Nature and Sequence of Construction Activity

What is the function of the construction activity (Please check all applicable activity(ies))?

☐ *Residential* ☐ *Commercial* ☐ *Industrial* ☐ *Road Construction* ☐ *Linear Utility*

☒ *Other (please specify): Guardrail and Shoulder Improvements along H-1*

What is being constructed? HDOT will be upgrading and improving guardrails and shoulders along the H-1 between the Kapiolani Interchange and Ainakoa Avenue Intersection, Milepost no. 25 and no. 27 in order to meet current roadway design requirements to satisfy the FHWA mandate to comply with requirements set forth by the National Cooperative Highway Research Program's Report 350. Improvements to the guardrails and shoulders include the following:

1. Guardrail replacements and improvements;
2. Replacement of thrie beams over select catch basins;
3. Connection of new thrie beams to existing guardrails and end posts;
4. Relocation of existing light poles from the shoulder to the median and repair of associated retaining walls;
5. Associated electrical connections to the new street lights and traffic signal;
6. Addition of a crash attenuator to the gore area at Waialae Avenue Off-ramp;
7. Improvements to retaining walls;
8. Addition of a bike lane and replacement of traffic signal at the Ainakoa Avenue Intersection;
9. Modifications to medians for new street lighting foundations;
10. Restriping;
11. Upgrades to bridge, wing wall, and retaining wall railings;
12. Upgrades to guardrail end posts;
13. Additions and improvements to concrete walls and barriers; and
14. Reconstruction of selected existing curbs.

Describe the scope of work and major construction activities you wish to be covered in this NOI, including baseyards and staging areas. You may only include project areas where the locations of impervious structures are known; project areas where the final grades are known; and work areas that will be performed by one (1) general contractor. A separate NOI will be required for all other project areas.

HDOT proposes to improve and upgrade guardrails and shoulders features along the H-1 between Kapiolani Interchange and Ainakoa Avenue Intersection, identified by Tax Map Keys

(TMKs) 2-7-029, 2-7-030, 3-2-001, 3-2-007, 3-2-009, 3-2-010, 3-2-011, 3-2-012, 3-2-013, 3-2-014, 3-2-038, 3-2-039, 3-2-040, 3-2-041, 3-2-042, 3-2-043, 3-3-011, 3-3-012, 3-5-016, 3-5-017, 3-5-019, 3-5-023, 3-5-025, 3-5-044. The project site involves 25 discontiguous sites in the existing road ROW along the H-1 corridor between mile posts 25 and 27 and totals approximately 5.3-acres. The construction activities include the following:

1. General Contractor Mobilization
2. Installation of Best Management Practices (BMPs)/Erosion Control Measures
3. Guardrail and Shoulder Improvements
4. Ainakoa Avenue Intersection Improvements
5. Removal of Construction BMPs
6. General Contractor Demobilization
7. Notice of Cessation

C.7 - Existing or Pending Permits, Licenses, or Approvals

Place a check next to all applicable Federal, State, or County permits, Licenses, or approvals for the project and specify the permit number.

☐ *Other NPDES Permit or NGPC File No.:* _____

☐ *Department of the Army Permit (Section 404):* _____
If your project requires work in, above, under or adjacent to State waters, please contact the Army Corps of Engineers (COE) Regulatory Branch at (808) 438-9258 regarding their permitting requirements. Provide a copy of the COE permitting jurisdictional determination (JD) or the JD with COE Person's Name, Phone Number, and Date Contacted.

☐ *Facility on SARA 313 List (identify SARA 313 chemicals on project site:* _____

☐ *RCRA Permit (Hazardous Wastes):* _____

☐ *Section 401 Water Quality Certification:* _____

☒ *Other (Specify):* *Building Permit, HRS*, Chapter 343, Exempt category of activity from an EA.

County-approved Erosion and Sediment Control Plan and/or Grading Permit

a. *Is a County-approved Erosion and Sediment Control Plan and/or Grading Permit, where applicable for the activity and schedule for implementing each control, required?*
   ☒ *Yes. Please complete Section C.7.b below and skip Section C.7.c.*
   ☐ *No. Please complete Section C.7.c below and skip Section C.7.b.*

b. *Is a copy County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, attached?*
   ☐ *Yes*
   ☒ *No* County-approved Erosion and Sediment Control Plan will be submitted 30 days before the start of construction.

c. *Please select and complete at least one (1) of the following items to demonstrate that a County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, is not required.*

☐ *See Attachment _____ for the County written determination.*
☐ *Provide the County contact person information (Name, Department, Phone Number, and Date Contacted):*_____
☐ *The project is a Federal Project and does not require County approval.*
☐ *Other (specify):*_____

C.8 - Project Site Maps and Construction Plans/Drawings

Attach, title, and identify all maps (pdf - minimum 300 dpi) listed below, in Attachment A.

Please reference which maps account for the features listed below.

a. *Island on which the project is located.* O‘ahu.
b. *Vicinity of the project on the island.* See **Attachment A-1, Figure 1 - Project Location.**
c. *Legal boundaries of the project.* See **Attachment A-1, Figure 1 - Project Location.**
d. *Receiving State water(s) from Section 6 of e-Permitting form and receiving separate drainage system(s) from Section 7 of e-Permitting form, identified and labeled.* See **Attachment A-1, Figure 2 - Discharge Points to State Waters.**
e. *Location of ALL discharge points from Section 6 of e-Permitting form with identification numbers.* See **Attachment A-1, Figure 2 - Discharge Points to State Waters.**
f. *Boundaries of 100-Year flood plans.* See **Attachment A-1, Figure 4 - Flood Zones**.
g. *Areas of soil disturbance.* See **Attachment A-3, Construction Drawings, 5A – 5I, 6.**
h. *Location(s) of impervious structures (including buildings, roads, parking lots, etc.) after construction is completed.* See **Attachment A-3, Construction Drawings, 5A – 5I, 6.**
i. *Pre-Construction Topography including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).* See **Attachment A-1, Figure 2 - Discharge Points to State Waters** and **Attachment A-3, Construction Drawings, 5A – 5I, 6.**
j. *During-Construction Topography (after major grading activities) including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).* See **Attachment A-1, Figure 2 - Discharge Points to State Waters** and **Attachment A-3, Construction Drawings, 5A – 5I, 6.**
k. *Post-Construction Topography including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).* See **Attachment A-1, Figure 2 - Discharge Points to State Waters** and **Attachment A-3, Construction Drawings, 5A – 5I, 6.**

C.9 - Construction Schedule

Provide the following estimated dates:

The date when construction activity will begin. The project is scheduled to start on May 1, 2017.

The date when each major construction activity begins. Major construction is scheduled to start on May 1, 2017.

The date when the Notice of Cessation form will be submitted. Notice of Cessation is scheduled for December 31, 2018.

Site Specific BMPs Plan Attachments

Attachment A - Project Site Maps and Construction Plans/Drawings

Attachment A - Table of Contents	
Section Number(s)	**Attachment A-1 to A-3**
C.2, C.5 & C.8	• **Attachment A-1 – Figures** ○ Figure 1- Project Location ○ Figure 2 - Discharge Points to State Waters ○ Figure 3 - Soil Classification ○ Figure 4 – FEMA-FIRM Flood Zones
C.4	• **Attachment A-2 – Storm Water Runoff Calculations**
C.6 & C.8	• **Attachment A-3 – Construction Drawings** ○ Figure 5- General Site Plan ○ Figure 5A – Site Plan - 1 ○ Figure 5B – Site Plan - 2 ○ Figure 5C – Site Plan - 3 ○ Figure 5D – Site Plan - 4 ○ Figure 5E – Site Plan - 5 ○ Figure 5F – Site Plan - 6 ○ Figure 5G – Site Plan - 7 ○ Figure 5H – Site Plan - 8 ○ Figure 5I – Site Plan - 9 ○ Figure 6 – Alternative A, Restripe and Modify Center Median