Site-Specific Construction Best Management Practice Plan

Notice of General Permit Coverage (NGPC) File No. HIR10__ __ __ __ (if known)
Preparation Date 05/01/2012

All sections of this template MUST be completed for National Pollutant Discharge Elimination System (NPDES) General Permit compliance. It is highly recommended that all sections of this template are completed in the initial submittal with the CWB Notice of Intent (NOI) General Form.

Please refer to the updated DOH-CWB Best Management Practice (BMP) procedures regarding Storm Water Discharges Associated with Construction Activities:

- DOH-CWB Procedures for the Use of New Technologies as BMPs
- DOH-CWB Procedures for Changing Construction Site-Specific BMPs
- Link to EPA Construction Storm Water Menu of BMPs

You are responsible for the design, implementation, operation, and maintenance of the site-specific BMPs Plan to ensure that storm water discharges associated with construction activities will not cause or contribute to a violation of applicable State water quality standards.

Have you provided appropriate BMP options to satisfy the Site-Specific BMP requirements in Section 3.0?

☒ Yes

☐ No. **If Section 3.0 of this template is not completed in the initial submittal you acknowledge that:**

- The Clean Water Branch (CWB) may not provide comments on information in Section 3.0.
- You are required to submit Section 3.0 of the SSCBMP Plan to the CWB for comment at least 30 calendar days prior to starting construction activities. All questions/concerns that the DOH may have must be answered to the satisfaction of the CWB.
- The CWB will review Section 3.0 of the SSCBMP Plan in the order received and will not expedite the review to accommodate your schedule.
- The CWB has no required time limits to review any SSCBMP Plan after issuance of a Notice of General Permit Coverage (NGPC).
- You are potentially exposing yourself to significant delays.

As of April 1, 2011, all applicants shall submit the SSCBMP plan using this template instead of the CWB-NOI Form C (Rev. 08/01/2007).

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Attachment D – Sample Subcontractor Certifications/Agreements (SSCBMP Page 4)
Attachment E – Sample SSCBMP Inspection Report Form (SSCBMP Section 3.4)
Attachment F – Contingency Plan (SSCBMP Section 3.5)
Attachment G – Sample SSCBMP Amendment Log

Project Information

(Item No. 4 of CWB NOI General Form)

(Project Name) Miscellaneous Permanent Best Management Practices	
(Project Street Address or Description of Project Location) Three locations on Windward Oahu: 1) Kamehameha Highway near milepost 42; 2) Kaneohe Bay Drive milepost 0.62 near Kawa Bridge; and 3) Interstate Route H-3 baseline station 530+00 to 630+00	
(City) Kaneohe	*(State) Hawaii*
(Zip Code) 96744	*(Island) Oahu*

Estimated Project Dates

Project Start Date: 09 / 00 / 2012

Project Estimated Completion Date: 2 / 28 / 2013

Certification of the CWB SSCBMP Plan

(Item Nos. 6.a., 6.b., 6.c., 6.d., or 7 of CWB NOI General Form)

The certifying person and duly authorized representative shall meet the requirements of Hawaii Administrative Rules, Section 11-55-07.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____ *Date:* MAY 09 2012

Person Name: Glenn M. Okimoto, Ph.D.

Person Position Title: Director of Transportation

Person Company or Agency: Department of Transportation

Department: Department of Transportation

Division: Department of Transportation, Highways Division

Phone Number: (808) 587-2150 *Fax No.:* (808) 587-2167

Person Email: Glenn.Okimoto@hawaii.gov

Owner/Permittee Information

(Item No. 1 of CWB NOI General Form)

The Owner/Permittee Legal Name must be identical to the Certifying Person Company or Agency in Item No. 1 of CWB NOI General Form.

(Owner/Permittee Legal Name) State of Hawaii	
(Department) Department of Transportation	*(Division)* Highways Division
(Mailing Address) 869 Punchbowl Street	
(Mailing City) Honolulu	*(Mailing State and Zip Code)* HI 96813-5097
(Owner Contact Person Name) Glenn M. Okimoto, Ph.D.	
(Owner Contact Title) : Director of Transportation	
(Owner Contact Phone Number587-2150	*(Owner Contact Fax Number587-2167*
(Owner Contact Email Address) Glenn.Okimoto@hawaii.gov	

General & Sub-Contractor(s) Information

(Item No. 3 of CWB NOI General Form)

(General Contractor Company Name) The general contractor information will be submitted at least 30 calendar days before the start of construction activities.	
(General Contractor Contact Person Name)	
(General Contractor Mailing Address)	
(General Contractor Mailing City)	*(General Contractor Mailing State and Zip*
(General Contractor Telephone Number)	
(General Contractor Email Address)	

(Sub-Contractor #1 Company Name, as needed)	
(Sub-Contractor Contact Person Name)	
(Sub-Contractor Mailing Address)	
(Sub-Contractor Mailing City)	*(Sub-Contractor Mailing State and Zip Code)*
(Sub-Contractor Telephone Number)	
(Sub-Contractor Email Address)	

❑ Complete and attach a Subcontractor Certification/Agreement in Attachment D.

Repeat as needed, at the discretion of the General Contractor.

Section 1.0 - Project/Facility Information

1.1 - Additional Project Information

(Item No. 4 of CWB NOI General Form)

County or Similar Subdivision: Honolulu

Facility/Project Front Gate Location Coordinate (degrees, minutes, seconds):

Kamehameha Portion

Latitude N 21° 23' 36" *Longitude* W 157° 47' 49"

Kaneohe Drive Portion

Latitude N 21° 24' 21" *Longitude* W 157° 47' 26"

H-3 Portion

Latitude N 21° 23' 7" *Longitude* W 157° 47' 7"

Coordinate System Reference Datum (e.g., NAD83, WGS84): NAD 83

Collection Method for determining coordinate (e.g., GoogleEarth, handheld GPS unit): USGS Topographic Map

Tax Map Key: Project is entirely in DOT Right-of-Way

Division	***Zone***	***Section***	***Plat***	***Parcel or Lot***
(1)	NA	NA	NA	*Project is entirely in DOT Right-of-Way*

Does the Facility/Project include a baseyard/staging area onsite:

☒ *Yes*

☐ *To be determined 30 days before the start of construction activities. The Permittee may need to obtain a modification to the NGPC and pay the $500 Filing Fee.*

☐ *No, the street address/location of the baseyard/staging area is provided below and the receiving water discharge point from this location is provided in SSCBMP Section 1.3:*

Street Address/Location: _____

City: _____ *State:* _____ *ZIP Code:* _____

Tax Map Key:

Division	***Zone***	***Section***	***Plat***	***Parcel or Lot***

Note: HDOT has permitted all outfalls within the project limits to account for potential disturbance as a Contractor Staging/Storage Area. One-half acre was assumed disturbed due to the Contractor Staging/Storage Area.

1.2 - Authorized Representative Information

(Item No. 6.b., 6.c., or 6.d. of CWB NOI General Form)

Complete this section only if different from Certifying Person listed in Item No. 7 of CWB NOI General Form and not the Duly Authorized Representative listed in Item No. 6.a. of CWB NOI General Form.

Company or Organization Name: Department of Transportation

Contact Person Name: Pratt M. Kinimaka

Contact Person Title: Oahu District Engineer

Mailing Address: 727 Kakoi Street

City: Honolulu *State:* HI *ZIP Code:* 96819

Telephone Number: (808)831-6700 *Fax:* (808)831-6725

Email: Pratt.Kinimaka@hawaii.gov

1.3 - Receiving Water(s) Information

(Item No. 5.a.i.-iii. of CWB NOI General Form)

Number of Receiving Water Discharge Points (may be multiple for same water body): 3

a. *Receiving Water Name:* Kawa Stream (Kamehameha Highway portion of project)
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21º 23' 45" N *Longitude* 157º 47' 35" W
On the Section 303(d) List? See http://hawaii.gov/health/environmental/env-planning/wqm/2006_Integrated_Report/2006_Chapter_IV_Assessment_of_Waters.pdf.
☒ *Yes* ☐ *No*

b. *Receiving Water Name:* Kawa Stream (Kaneohe Bay Drive portion of project)
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21º 24' 20" N *Longitude* 157º 47' 25" W
On the Section 303(d) List? ☒ *Yes* ☐ *No*

c. *Receiving Water Name:* Kapaa Stream (H-3 portion of project)
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Upstream extent of discharge: Latitude 21º 23' 10" N *Longitude* 157º 46' 52" W
Downstream extent of discharge: Latitude 21º 24' 07" N *Longitude* 157º 45' 58" W
On the Section 303(d) List? ☒ *Yes* ☐ *No*

Repeat as needed for all receiving water discharge points.

Coordinate System Reference Datum (e.g., NAD83, WGS84): NAD 83
Collection Method for determining coordinate (e.g., Google Earth, handheld GPS unit): USGS Topographic Map

1.4 - Receiving Separate Drainage System

(Item No. 5.b. of CWB NOI General Form)

Complete the following if the discharge from your facility or project first enters a separate storm drainage system (e.g., City and County of Honolulu Municipal Separate Storm Sewer System [MS4], State Department of Transportation-Highways Division MS4, other) prior to the State waters.

a. *Separate Drainage System Owner Name:* State Department of Transportation-Highways Division MS4 – see list

Discharge Point Coordinates (degrees, minutes, seconds) into the Separate Drainage System: Latitude N *Longitude* w

MS4 DISCHARGE POINT COORDINATES

Inlet Name Kamehameha Site	*Lat*	*Long*
Off Sheet	*21°23'36"N*	*157°47'48"W*
Inlet Name H-3 Sites		
I-1	*21°23'08"N*	*157°46'55"W*
I-2	*21°23'09"N*	*157°46'53"W*
I-4	*21°23'12"N*	*157°46'48"W*
I-27	*21°23'13"N*	*157°46'45"W*
I-28	*21°23'13"N*	*157°46'45"W*
I-5	*21°23'15"N*	*157°46'44"W*
I-49	*21°23'17"N*	*157°46'40"W*
I-30	*21°23'18"N*	*157°46'36"W*
I-31	*21°23'21"N*	*157°46'34"W*
I-32	*21°23'23"N*	*157°46'31"W*
I-7	*21°23'24"N*	*157°46'32"W*
I-34	*21°23'29"N*	*157°46'27"W*
I-8	*21°23'29"N*	*157°46'27"W*
I-10	*21°23'40"N*	*157°46'24"W*
I-26	*21°23'42"N*	*157°46'23"W*
I-40a	*21°24'00"N*	*157°46'13"W*
I-14	*21°24'02"N*	*157°46'14"W*
I-13	*21°24'01"N*	*157°46'13"W*
I-41	*21°24'04"N*	*157°46'11"W*
I-42	*21°24'07"N*	*157°46'08"W*
I-44	*21°24'15"N*	*157°46'03"W*
I-58	*21°24'21"N*	*157°46'00"W*
I-19	*21°24'21"N*	*157°45'60"W*
I-45	*21°24'20"N*	*157°45'59"W*
I-29	*21°23'15"N*	*157°46'41"W*
I-6	*21°23'17"N*	*157°46'40"W*

I-33	*21°23'25"N*	*157°46'29"W*
I-35a	*21°23'31"N*	*157°46'26"W*
I-9a	*21°23'31"N*	*157°46'26"W*
I-35b	*21°23'33"N*	*157°46'25"W*
I-35c	*21°23'34"N*	*157°46'24"W*
I-9b	*21°23'34"N*	*157°46'25"W*
I-36	*21°23'43"N*	*157°46'22"W*
I-11	*21°23'49"N*	*157°46'22"W*
I-37	*21°23'49"N*	*157°46'20"W*
I-38	*21°23'53"N*	*157°46'19"W*
I-39	*21°23'58"N*	*157°46'15"W*
I-16	*21°24'06"N*	*157°46'11"W*
I-17	*21°24'11"N*	*157°46'08"W*
I-23a	*21°24'12"N*	*157°46'06"W*
I-43	*21°24'11"N*	*157°46'06"W*
I-18	*21°24'17"N*	*157°46'04"W*
I-59	*21°24'25"N*	*157°45'57"W*
I-46	*21°24'25"N*	*157°45'57"W*
I-20	*21°24'25"N*	*157°45'57"W*
I-22	*21°24'26"N*	*157°45'56"W*
I-3	*21°23'11"N*	*157°46'51"W*

Repeat as needed for all receiving separate drainage system entry points.

Coordinate System Reference Datum (e.g., NAD83, WGS84): NAD 83

Collection Method for determining coordinate (e.g., GoogleEarth, handheld GPS unit): USGS Topographic Map

❑ *Attach the Drainage System Owner(s) Approval to Discharge, in Attachment* _____.

☒ *Check this box if the Certifying Person is responsible for the overall operation and maintenance of the Separate Drainage System and approves of the storm water discharge into their drainage system.*

1.5 - Existing Pollution Sources/ History of Land Use

Describe the history of land use at the existing Facility/Project site: The project area has been used as road right-of-way for many years. H-3 was built in the 80s and 90s after Kaneohe Bay Drive and the Kamehameha Highway.

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).

- ☐ *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):* _____

Describe any existing pollution source(s) identified in the references you checked above: Pollution sources include oil, grease, silt, and litter from motor vehicles using the roadway.

Describe any corrective measures that have been undertaken for any existing pollution source(s): Corrective measures include periodic sweeping, drain cleaning and other maintenance activities as required to minimize pollutants from entering receiving waters.

1.6 - Construction Site Estimates

Please provide the following estimates for the construction site.

Total project area including areas to be left undisturbed: 88.07 *acres*

Construction site area to be disturbed including storage and staging areas: 3.93 *acres*

Impervious area before construction: 23.55 *acres*

Impervious area after construction: 22.51 *acres*

1.6.a - 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.

The estimate of quantity of storm water runoff during construction has been calculated using the "rational method": Q = CIFA, where Q = flow rate in CFS, C = a runoff coefficient related to the permeability of the ground surface (higher numbers indicate more runoff, lower number indicates more infiltration/less runoff), I = rainfall intensity in inches/hour for a 10-year storm in the project area obtained from maps published by the State of Hawai'i Department of Land and Natural Resources, F = a correction factor of 2.3, and A = the drainage area or construction site area (the greatest area being disturbed at one time, therefore may be less than the total site area),

in acres. As the project is constructed, the largest area that will be disturbed at one time is 0.5 acres. The contractor will finish one portion of the bioswale and then disturb a new area.

In this case the variables are as follows:

C (coefficient of runoff) 0.9 unitless
I (rainfall intensity) 3.1 inches/hour
F (correction factor) 2.3 unitless
A (area) 0.5 acre

_____ *Millions of Gallons per Day (MGD)*

or

3.2 *Cubic Feet per Second (CFS)*

1.6.b - 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: The underlying soils at the project sites are silty clays – Alaeloa silty clay along the H-3; the Loekaa silty clay at Kaneohe Bay Drive, and Kaneohe silty clay loam along the Kamehameha Highway. Soil contamination is not expected in this area as there are no petroleum pipelines/gas stations within the project limits. The quality of the stormwater discharged will be controlled through the implementation of BMPs described in this Plan. The principle issue related to the soil is the potential for runoff to entrain sediment, which can either make the water appear cloudy/turbid or transport sand and larger sized particles off the site.

1.7 - 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):* *permanent stormwater BMPs*

What is being constructed? New permanent BMP structures are being constructed.

Describe the scope of work and major construction activities you wish to be covered in this NOI: Construction activities include removing concrete drainage structures (H-3 and Kamehameha Highway), building bioswales in place of former concrete drainage structures (H-3 and Kamehameha Highway), and replacing an existing catch basin with a new permanent BMP (Kaneohe Bay Drive).

Is the Project Phased?
❑ *Yes (Select this if separate general contractors for each phase. Owner acknowledges that a separate NOI package and filing fee shall be submitted for each phase.)*
☒ *No (Select this for construction phasing due to scheduling only.)*

1.8 - 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.

- ❑ *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:* _____

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 1.8.b below and skip Section 1.8.c.*
   - ☒ *No. Please complete Section 1.8.c below and skip Section 1.8.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, see Attachment* _____
   - ❑ *No, the County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, will be submitted at least 30 calendar days before the start of construction activities.*

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):* All work is within the DOT ROW and therefore does not require a County grading permit. (see Appendix A-5)

1.9 - 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.* Sheet 1, Title Sheet, Attachment A-1
b. *Vicinity of the project on the island.* Sheet 1, Title Sheet ,Attachment A-1
c. *Legal boundaries of the project.* Sheet 1, Title Sheet, Attachment A-1
d. *Receiving State water(s) from Section 1.3 and receiving separate drainage system(s) from Section 1.4, identified and labeled.* Attachment A-3
e. *ALL discharge points from Sections 1.3 and 1.4 with identification numbers and coordinates.* Attachment A-3
f. *Boundaries of 100-Year flood plans.* Attachment A-6
g. *Areas of soil disturbance.* Sheets C-1, C-2, C-5, C-6, C-7, C-8, and C-9, Attachment A-1
h. *Location(s) of impervious structures (including buildings, roads, parking lots, etc.) after construction is completed.* Sheets C-1, C-2, C-5, C-6, C-7, C-8, and C-9, Attachment A-1
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).* Attachment A-1, Sheet C-18 for Kamehameha Highway and Sheet C-19 for Kaneohe Bay Drive. No topographic survey was performed in the H-3 portion of the project as there will be no changes to topography by the project.
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).* No changes in topography due to project
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).* No changes in topography due to project

1.10 - Flow Chart or Line Drawing

Attach or insert in Attachment A, a flow chart showing the following (Check each item, as applicable):

☒ a. Storm water entering the project from off-site areas

☒ b. General route taken by storm water through the project (show the routes through different drainage areas)

☒ c. Treatment system(s) utilized for the reduction of sediment (e.g., silt fence, earth berm, detention basin, vegetated swale, etc.)

☒ d. Best Management Practices (BMPs) utilized to prevent erosion (e.g., erosion control mats, reduced open area, revegetation, etc.)

☒ e. Quantity of flow through each applicable route from upslope to the receiving State water

☒ f. Drainage system(s) receiving storm water from the project, as applicable (e.g., City and County of Honolulu Municipal Separate Storm Sewer System (MS4), etc.)

☒ g. State water name(s) receiving storm water from the project

Indicate which item(s) are not identified *N/A*
See Attachment A-4

Section 2.0 - Construction Activity Best Management Practices

2.1 - Special Conditions for Land Disturbances

By submitting this section the owner and/or general contractor agrees that at a minimum, they will comply with all conditions as stated below from Section No. 11 of HAR, Chapter 11-55, Appendix C, under Special Conditions for Land Disturbances.

"(a) Construction Management Techniques

(1) Clearing and grubbing shall be held to the minimum necessary for grading and equipment operation.

(2) Construction shall be sequenced to minimize the exposure time of the cleared surface area.

(3) Construction shall be staged or phased for large projects. Areas of one phase shall be stabilized before another phase is initiated. Stabilization shall be accomplished by temporarily or permanently protecting the disturbed soil surface from rainfall impacts and runoff.

(4) Erosion and sediment control measures shall be in place and functional before earth moving operations begin. These measures shall be properly constructed and maintained throughout the construction period.

(5) All control measures shall be checked and repaired as necessary, for example, weekly in dry periods and within twenty-four hours after any rainfall of 0.5 inches or greater within a 24-hour period. During prolonged rainfall, daily checking is necessary. The permittee shall maintain records of checks and repairs.

(6) The permittee shall maintain records of the duration and estimated volume of storm water discharge(s).

(7) A specific individual shall be designated to be responsible for erosion and sediment controls on each project site.

(b) Vegetation Controls

(1) Pre-construction vegetative ground cover shall not be destroyed, removed, or disturbed more than twenty calendar days prior to land disturbance.

(2) Temporary soil stabilization with appropriate vegetation shall be applied on areas that will remain unfinished for more than thirty calendar days.

(3) Permanent soil stabilization with perennial vegetation or pavement shall be applied as soon as practical after final grading. Irrigation and maintenance of the perennial vegetation shall be provided for thirty calendar days or until the vegetation takes root, whichever is shorter.

(c) Structural Controls

(1) Storm water flowing toward the construction area shall be diverted by using appropriate control measures, as practical.

(2) Erosion control measures shall be designed according to the size of disturbed or drainage areas to detain runoff and trap sediment.

(3) Water must be discharged in a manner that the discharge shall not cause or contribute to a violation of the basic water quality criteria as specified in HAR, Chapter 11-54, Section 11-54-4."

2.2 - Construction Schedule

In Attachment C, attach the proposed construction schedule which shall include, at a minimum: Schedule is shown with a predicted September 2012 start date.

☒ The date when the SSCBMP Plan, including erosion control measures will be implemented
☒ The date when the general contractor will begin the site disturbance
☒ The date when each major construction activity begins
☒ The proposed timetable for each major activity
☒ The date when each major construction activity ends
☒ The date when the general contractor will end site disturbance
☒ The date when erosion control measures will be removed
☒ The date when the Notice of Cessation form will be submitted

2.3.a - Potential Storm Water Pollutant Sources

This general permit covers discharges composed entirely of storm water runoff associated with construction activities. Discharges to State waters composed of pollutants associated with construction activities and/or storm water that commingles with these pollutants shall comply with HAR, Chapter 11-55, Appendix A, Section 1 (Basic Water Quality Criteria).

Identify the potential storm water pollution sources for each major construction activity based on the submitted construction schedule. Account for all potential sources of water pollution associated with construction activities including but not limited to the contents of the table below. Describe how discharges from the potential sources of pollution associated with construction activities will comply with the Basic Water Quality Criteria.

All solid waste shall be disposed of at DOH, Solid and Hazardous Waste Branch (SHWB), Solid Waste Section (SWS) permitted facilities. If not, contact the SHWB-SWS at (808) 586-4226 as additional permits may be required.

Source/Material	***Description of How Potential Pollutant Source will be Prevented from Discharging with Storm Water Runoff***	***Major Construction Activity***
Construction debris, green waste, general litter	*The contractor will implement the following types of BMPs (details are included in Appendix A-2):* • *Storm Drain Inlet and Catch Basin Protection* • *Proper General Waste Management*	*Permanent BMP Construction*
Materials associated with the operation and maintenance of equipment, such as oil, fuel, and hydraulic fluid leakage	*The contractor will implement the following types of BMPs involving (details are included in Appendix A-2):* • *Proper Equipment/Vehicle Fueling and Maintenance*	*Permanent BMP Construction*

Source/Material	***Description of How Potential Pollutant Source will be Prevented from Discharging with Storm Water Runoff***	***Major Construction Activity***
Soil erosion from the disturbed areas	*The contractor will implement the following types of BMPs (details in Appendix A-2):* • *Work Area Isolation* • *Minimize Disturbed Area* • *Limit of Stop Work during Rain* • *Storm Drain Inlet and Catch Basin Protection*	*Permanent BMP Construction*
Sediment from soil stockpiles	*The contractor will implement the following types of BMPs (details are included in Appendix A-2):* • *Storm Drain Inlet and Catch Basin Protection* • *Excavated /Stockpiled Material Protection*	*Permanent BMP Construction*
Emulsified asphalt or prime/tack coat	*Not applicable*	*Not applicable*
Materials associated with painting, such as paint and paint wash solvent	*Not applicable*	*Not applicable*
Industrial chemicals, fertilizers, and/or pesticides	*Not applicable*	*Not applicable*
Hazardous waste (Batteries, Solvents, Treated Lumber, etc.)	*Not applicable*	*Not applicable*
Metals	*Not applicable*	*Not appliable*

Source/Material	***Description of How Potential Pollutant Source will be Prevented from Discharging with Storm Water Runoff***	***Major Construction Activity***
Existing Pollution Sources from Section 1.5 above --oil, grease, silt, and litter from motor vehicles using the roadway	*The contractor will implement the following types of BMPs (details are included in Appendix A-2):* • *Litter Management Plan* • *Work Area Isolation* • *Excavated /Stockpiled Material Protection*	*Permanent BMP Construction*
Other	*Not applicable*	*Not applicable*

2.3.b - Potential Non- Storm Water Pollutant Sources

This general permit covers discharges composed entirely of storm water runoff associated with construction activities. Discharges of non-storm water and/or non-storm water that have commingled with storm water are not covered under this general permit. If the non-storm water is discharged to State waters, the construction activity may require a separate NPDES permit.

Identify the potential non-storm water pollution sources for each major construction activity based on the submitted construction schedule. Account for all applicable non-storm water discharges including but not limited to the contents of the table below. Describe how the potential non-storm water pollution source will not be discharged to State waters.

All solid waste shall be disposed of at DOH, Solid and Hazardous Waste Branch (SHWB), Solid Waste Section (SWS) permitted facilities. If not, contact the SHWB-SWS at (808) 586-4226 as additional permits may be required.

Source	***Description of How Potential Non-Storm Water Pollution Source will not be Discharged to State Waters***	***Major Construction Activity***
Dust Control Water	*Limited amounts of water may be sprayed to control dust but the quantity will not be great enough to runoff.*	*Permanent BMP Construction*
Concrete Truck Wash Water	*Concrete-coated vehicles or equipment will be washed off-site.*	*Permanent BMP Construction*

Source	***Description of How Potential Non-Storm Water Pollution Source will not be Discharged to State Waters***	***Major Construction Activity***
Construction Exit Wash Water	*Not applicable*	*Not applicable*
Irrigation Water	*Not applicable*	*Not applicable*
Hydrotesting Effluent	*Not applicable*	*Not applicable*
Dewatering Effluent	*Not applicable*	*Not applicable*
Saw-cutting Slurry	*Not applicable*	*Not applicable*
Concrete Curing Water	*Not applicable*	*Not applicable*
Plaster Waste Water	*Not applicable*	*Not applicable*
Water-Jet Wash Water	*Not applicable*	*Not applicable*
Sanitary/Septic Waste	*Locate Sanitary facilities in a convenient place away from drainage facilities if they are deemed necessary. Untreated Wastewater shall not be discharged to the ground or buried. A licensed service provider shall maintain sanitary/septic facilities in good working order. Schedule regular waste collection by a licensed transporter.*	*Permanent BMP Construction*

Section 3.0 - Best Management Practice Location and Details

Please refer to the EPA Construction Storm Water Menu of BMPs. ***You are responsible for the design, implementation, operation, and maintenance of the site-specific BMPs Plan to ensure that storm water discharges associated with construction activities will not cause or contribute to a violation of applicable State Water Quality Standards.***

The contractor may augment or improve BMPs to mitigate pollutant discharges to State waters. Amendments to the SSCBMP Plan shall be identified in Attachment G and certified on page 3 of the SSCBMP Plan. Please refer to the updated DOH-CWB BMP procedures regarding storm water discharges associated with construction activities:

- *DOH-CWB Procedures for the Use of New Technologies as BMPs*
- *DOH-CWB Procedures for Changing Construction Site-Specific BMPs*

3.1 – BMP Location Maps

Show the location of all proposed BMPs. 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. *Construction sequence diagrams showing the location of specific BMPs (including stabilization BMPs) that will be implemented at different sequences of construction* The project is not a multiple-step sequence, it is a single major activity at each of the three locations. See Attachment A-1 Sheet C-1 for Kamehameha Highway; Sheet C-2 for Kaneohe Bay Drive, and Sheets C-5 through C-9 for Interstate Route H-3.

b. *Additional Maps for **each major construction activity** that show all BMPs employed for activity specific pollution prevention. Please have at least one (1) map per major construction activity (e.g., Demolition, Mass Grading, Trenching, Vertical Construction, Landscaping, etc.)* At each location there is a single major construction activity. See Attachment A-1 Sheet C-1 for Kamehameha Highway; Sheet C-2 for Kaneohe Bay Drive, and Sheets C-5 through C-9 for Interstate Route H-3.

c. *Construction Baseyard and/or staging areas including remote/off-site areas. Areas used for the storage of soils, construction materials, or wastes and areas for the disposal of wash water from washing down of construction equipment and vehicles, concrete truck drum wash water, treated dewatering effluent, hydrotesting effluent discharge, etc.* The construction Staging/Storage area(s) will be located within the project limits. One half acre has been allocated. The area will be determined once the contract is awarded. The Staging/Storage area(s) will be surrounded by perimeter sediment control BMPs and include a stabilized construction entrance/exit. The location of the Staging/Storage area(s) will be incorporated into the SSCBMP Plan after the contract is awarded. If the Staging/Storage area is not located within the project limits, the requirements of Section 1.1 shall be followed.

d. *Location(s) where stabilization practices are expected to occur* See Attachment A-1 Sheet C-1 for Kamehameha Highway; Sheet C-2 for Kaneohe Bay Drive, and Sheets C-5 through C-9 for Interstate Route H-3.

e. *Location(s) of all structural controls including those that will be used to divert the offsite storm water from flowing into the construction site and design details* See Attachment A-1

Sheet C-1 for Kamehameha Highway; Sheet C-2 for Kaneohe Bay Drive, and Sheets C-5 through C-9 for Interstate Route H-3.

f. Areas where vegetative practices are to be implemented Any vegetation removed will be returned to the disturbed area as feasible. All currently vegetative areas will be restored if they are disturbed. In addition, vegetation will also be established in the bioswales installed as part of this project.

g. Post Construction Final Stabilization BMP Plan The purpose of the project is to build permanent BMPs. No further final stabilization measures are planned, other than establishing vegetation.

3.2 - BMP Details

Complete the table below. Provide an installation detail with dimensions and product data sheet of all proposed BMPs identified in Section 3.1, including the proposed BMPs that will be used to mitigate the potential pollutants identified in Sections 2.3a and 2.3b. Attach the details and product data sheets in Attachment A.

Pollutant Source as Identified in Sections 2.3.a and 2.3.b	***Appropriate Site-Specific BMP to be Implemented***	***BMP Installation Detail with Dimensions and Product Data Sheet Attachment A Reference***
Construction debris, green waste, general litter	• *Storm Drain Inlet and Catch Basin Protection* • *Proper General Waste Management*	*Details in Appendix A-2.*
Materials associated with the operation and maintenance of equipment, such as oil, fuel, and hydraulic fluid leakage	• *Proper Equipment/Vehicle Fueling and Maintenance*	*Details in Appendix A-2.*
Soil erosion from the disturbed areas	• *Work Area Isolation* • *Minimize Disturbed Area* • *Limit of Stop Work during Rain* • *Storm Drain Inlet and Catch Basin Protection*	*Details in Appendix A-2.*
Sediment from soil stockpiles	• *Storm Drain Inlet and Catch Basin Protection* • *Excavated /Stockpiled Material Protection*	*Details in Appendix A-2.*
Existing Pollution Sources from Section 1.5 above -- oil, grease, silt, and litter from motor vehicles using the roadway	• *Litter Management Plan* • *Work Area Isolation* • *Excavated /Stockpiled Material Protection*	*Details in Appendix A-2.*
Concrete Truck Wash	*Concrete-coated vehicles or equipment*	*Not applicable*

Pollutant Source as Identified in Sections 2.3.a and 2.3.b	***Appropriate Site-Specific BMP to be Implemented***	***BMP Installation Detail with Dimensions and Product Data Sheet Attachment A Reference***
Water	*washed off-site.*	
Sanitary/Septic Waste	*Locate Sanitary facilities in a convenient place away from drainage facilities, Untreated Wastewater shall not be discharged to the ground or buried. A licensed service provider shall maintain sanitary/septic facilities in good working order. Schedule regular waste collection by a licensed transporter.*	*Additional information will be provided by the Contractor for HDOT acceptance and inclusion/submittal at least 30 days prior to the start of construction.*

3.3 - Training and Record Keeping

Training your onsite staff, general contractor, and subcontractors is a required BMP. Storm water pollution prevention training is required as part of this SSCBMP plan. By selecting one of the following options, you are certifying that the storm water pollution prevention training will be conducted.

Please select one of the following options for storm water training record keeping:

☒ The Storm Water Pollution Prevention Training Log provided in Attachment B will be used

❑ A self-developed storm water pollution prevention training log is attached as Attachment B.

3.4 - Site Inspections, Inspection Schedules, and Procedures

Site inspections ensure NPDES compliance and adequate implementation of the SSCBMP Plan. Site inspections are required components of the SSCBMP Plan. Site inspection details are as follows:

Personnel responsible for conducting inspections: Field Office Engineer or Inspector, or Contractor Representatives. Field Office Engineer, Inspectors, or Contractor representatives will be included in the SSCBMP plan once the contract is awarded.

Qualifications: HDOT construction staff and HDOT Contractors attend Stormwater BMP Classes annually. Contractor representatives selected for the inspection and maintenance responsibilities shall receive training from the Contractor. The State and/or Contractor's Representatives shall be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

Describe the inspection schedules and procedures you have developed for your site. Include the frequency of inspections for each BMP or group of BMPs and indicate when you will inspect (e.g., before/during/and after rain events, spot inspections). Include the maintenance requirements for each BMP (e.g., level of sediment buildup allowed):
All Construction BMPs shall be inspected weekly, and within 24 hours of any rainfall event of 0.5 inches or greater in a 24 hour period and daily during periods of prolonged rainfall. The Contractor shall submit a copy of the Site-Specific Best Management Practice Plan Inspection and Maintenance Report Form within one week of the inspection. Maintenance requirements for specific BMPs are included in the HDOT Construction BMP Field Manual.

Describe the general procedures for correcting problems when they are identified. Include the name and contact numbers for responsible staff and time frames for making corrections:
Maintenance practices are included under HDOT's Water Pollution and Erosion Control Notes (Attachment A-1). The Contractor shall submit the name of a specific individual designated responsible for inspections, maintenance and repair activities and filling out the inspection and maintenance report. Repairs shall be initiated within 24 hours after inspection. The Contractor representative information will be included in this section once the contract is awarded.

Please select one of the following options:

☒ The Inspection Report Form provided in Attachment E will be used.

❑ A self-developed Inspection Report Form is attached as Attachment E.

3.5 – Contingency Plan

Provide a contingency plan in Attachment F to ensure that even under the worst case scenario, the construction activity will have a minimal adverse impact to State water(s).

☒ The Contingency Plan is attached as Attachment F.