Site-Specific Construction Best Management Practice Plan

Notice of General Permit Coverage (NGPC) File No. HIR10__ __ __ __ (if known)
Preparation Date 7/16/12

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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Project Information

(Item No. 4 of CWB NOI General Form)

(Project Name) Kalanianaole Highway Resurfacing, West Hind Drive to Vicinity of Hanauma Bay Road	
(Project Street Address or Description of Project Location) Kalanianaole Highway, West Hind Drive to Vicinity of Hanauma Bay Road	
(City) Honolulu	(State) HI
(Zip Code) 96825	(Island) Oahu

Estimated Project Dates

Project Start Date: 3 / 01 / 2014

Project Estimated Completion Date: 2 / 28 / 2015

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:* _____

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) Curtis Matsuda	
(Owner Contact Title) Hydraulic Design Engineer, DOT	
(Owner Contact Phone Number) (808)692-7561	*(Owner Contact Fax Number)* (808)692-7617
(Owner Contact Email Address) curtis.matsuda@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):

Latitude 21 º 16 ' 40" N *Longitude* 157 º 45 ' 18" W

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:

Division	Zone	Section	Plat	Parcel or Lot
1	3	6	1;2;3;5;6;7;8	N/A
1	3	7	1;2;5;9;10;11;16	N/A
1	3	8	1;2;3;4;7;8;14	N/A
1	3	9	2;7;12;17;21;22;23; 33;35;40;41;42;48	N/A

Add rows as needed.

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

Add rows as needed.

Note: HDOT has permitted all outfalls within the project limits to account for potential disturbance as a Contractor Staging/Storage Area except for the area between Sta. 185+00 to 219+00 since this outfall discharges to Class AA Marine waters. 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, Highways Division

Contact Person Name: Pratt M. Kinimaka

Contact Person Title: Oahu District Engineer

Mailing Address: 727 Kakoi Street

City: Honolulu *State:* HI *ZIP Code:* 96819-2017

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): 26

a. *Receiving Water Name:* Maunalua Bay
Receiving Water Classification A
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 34" N *Longitude* 157 º 45 ' 16" 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:* Maunalua Bay
Receiving Water Classification A
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 36" N *Longitude* 157 º 45 ' 08" W
On the Section 303(d) List? ☒ *Yes* ☐ *No*

c. *Receiving Water Name:* Wailupe Stream
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 42" N *Longitude* 157 º 45 ' 03" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

d. *Receiving Water Name:* Wailupe Stream
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 42" N *Longitude* 157 º 45 ' 03" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

e. *Receiving Water Name:* Maunalua Bay
Receiving Water Classification A
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 41" N *Longitude* 157 º 44 ' 49" W
On the Section 303(d) List? ☒ *Yes* ☐ *No*

f. *Receiving Water Name:* Maunalua Bay
Receiving Water Classification A
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 44" N *Longitude* 157 º 44 ' 39" W
On the Section 303(d) List? ☒ *Yes* ☐ *No*

g. *Receiving Water Name:* Maunalua Bay
Receiving Water Classification A
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 47" N *Longitude* 157 º 44 ' 34" W
On the Section 303(d) List? ☒ *Yes* ☐ *No*

h. *Receiving Water Name:* Niu Stream
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 50" N *Longitude* 157 º 44 ' 17" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

i. *Receiving Water Name:* Niu Stream
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 50" N *Longitude* 157 º 44 ' 17" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

j. *Receiving Water Name:* Niu Stream
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 53" N *Longitude* 157 º 44 ' 15" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

k. *Receiving Water Name:* Maunalua Bay
Receiving Water Classification A
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 52" N *Longitude* 157 º 44 ' 00" W
On the Section 303(d) List? ☒ *Yes* ☐ *No*

l. *Receiving Water Name:* Kuliouou Stream
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 17 ' 10" N *Longitude* 157 º 43 ' 18" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

m. *Receiving Water Name:* Kuliouou Stream
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 17 ' 10" N *Longitude* 157 º 43 ' 18" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

n. *Receiving Water Name:* Kuapa Pond
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 17 ' 10" N *Longitude* 157 º 43 ' 07" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

o. *Receiving Water Name:* Kuapa Pond
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 17 ' 06" N *Longitude* 157 º 43 ' 04" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

p. *Receiving Water Name:* Kuapa Pond
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 17 ' 09" N *Longitude* 157 º 42 ' 59" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

q. *Receiving Water Name:* Kuapa Pond
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 54" N *Longitude* 157 º 42 ' 42" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

r. *Receiving Water Name:* Maunalua Bay
Receiving Water Classification A
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 56" N *Longitude* 157 º 42 ' 51" W
On the Section 303(d) List? ☒ *Yes* ☐ *No*

s. *Receiving Water Name:* Maunalua Bay
Receiving Water Classification A
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
From: Latitude 21 º 16 ' 56" N *Longitude* 157 º 42 ' 51" W
To: Latitude 21 º 16 ' 52" N *Longitude* 157 º 42 ' 44" W
On the Section 303(d) List? ☒ *Yes* ☐ *No*

t. *Receiving Water Name:* Kuapa Pond
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 53" N *Longitude* 157 º 42 ' 40" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

u. *Receiving Water Name:* Kuapa Pond
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 41" N *Longitude* 157 º 42 ' 21" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

v. *Receiving Water Name:* Maunalua Bay
Receiving Water Classification A
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
Latitude 21 º 16 ' 38" N *Longitude* 157 º 42 ' 34" W
On the Section 303(d) List? ☒ *Yes* ☐ *No*

w. *Receiving Water Name:* Niu Stream
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
From: Latitude 21 º 16 ' 52" N *Longitude* 157 º 44 ' 17" W
To: Latitude 21 º 16 ' 52" N *Longitude* 157 º 44 ' 16" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

x. *Receiving Water Name:* Kuliouou Stream
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
From: Latitude 21 º 17 ' 10" N *Longitude* 157 º 43 ' 18" W
To: Latitude 21 º 17 ' 10" N *Longitude* 157 º 43 ' 18" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

y. *Receiving Water Name:* Kuapa Pond
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
From: Latitude 21 º 17 ' 07" N *Longitude* 157 º 43 ' 07" W
To: Latitude 21 º 17 ' 06" N *Longitude* 157 º 43 ' 06" W
On the Section 303(d) List? ☐ *Yes* ☒ *No*

z. *Receiving Water Name:* Kuapa Pond
Receiving Water Classification 2
Receiving Water Discharge Point Coordinates (degrees, minutes, seconds):
From: Latitude 21 º 17 ' 06" N *Longitude* 157 º 43 ' 07" W
To: Latitude 21 º 17 ' 06" N *Longitude* 157 º 43 ' 06" 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

Discharge Point Coordinates (degrees, minutes, seconds) into the Separate Drainage System: Latitude 21 º 16 ' 40" N *Longitude* 157 º 45 ' 18" W *to* Latitude 21 º 16 ' 31" N *Longitude* 157 º 41 ' 43" W

b. *Separate Drainage System Owner Name:* City and County of Honolulu MS4

Discharge Point Coordinates (degrees, minutes, seconds) into the Separate Drainage System: *Latitude* 21 º 16 ' 29" N *Longitude* 157 º 41 ' 56" W

MS4 DISCHARGE POINT COORDINATES

INLET	***LAT***	***LONG***
1-1	*21D 16' 39"*	*157D 45' 18"*
2-1	*21D 16' 41"*	*157D 45' 17"*
2-2	*21D 16' 41"*	*157D 45' 16"*
2-3	*21D 16' 41"*	*157D 45' 15"*
2-4	*21D 16' 41"*	*157D 45' 14"*
2-5	*21D 16' 41"*	*157D 45' 13"*
2-6	*21D 16' 41"*	*157D 45' 12"*
2-7	*21D 16' 41"*	*157D 45' 11"*
2-8	*21D 16' 40"*	*157D 45' 15"*
2-9	*21D 16' 40"*	*157D 45' 14"*
2-10	*21D 16' 41"*	*157D 45' 11"*
2-11	*21D 16' 41"*	*157D 45' 11"*
2-12	*21D 16' 41"*	*157D 45' 10"*
2-13	*21D 16' 41"*	*157D 45' 08"*
2-14	*21D 16' 41"*	*157D 45' 07"*
2-15	*21D 16' 41"*	*157D 45' 06"*
3-1	*21D 16' 42"*	*157D 45' 08"*
3-2	*21D 16' 42"*	*157D 45' 06"*
3-3	*21D 16' 42"*	*157D 45' 06"*
3-4	*21D 16' 42"*	*157D 45' 05"*
3-5	*21D 16' 42"*	*157D 45' 05"*
3-6	*21D 16' 41"*	*157D 45' 04"*

INLET	***LAT***	***LONG***
3-7	*21D 16' 41"*	*157D 45' 03"*
3-8	*21D 16' 41"*	*157D 45' 02"*
4-1	*21D 16' 41"*	*157D 45' 02"*
4-2	*21D 16' 41"*	*157D 45' 01"*
4-3	*21D 16' 42"*	*157D 45' 00"*
4-4	*21D 16' 43"*	*157D 45' 00"*
4-5	*21D 16' 43"*	*157D 44' 59"*
4-6	*21D 16' 44"*	*157D 44' 58"*
4-7	*21D 16' 44"*	*157D 44' 57"*
4-8	*21D 16' 44"*	*157D 44' 56"*
4-9	*21D 16' 42"*	*157D 44' 59"*
4-10	*21D 16' 43"*	*157D 44' 57"*
4-11	*21D 16' 44"*	*157D 44' 54"*
4-12	*21D 16' 45"*	*157D 44' 54"*
4-13	*21D 16' 45"*	*157D 44' 53"*
4-14	*21D 16' 45"*	*157D 44' 52"*
5-1	*21D 16' 45"*	*157D 44' 51"*
5-2	*21D 16' 46"*	*157D 44' 50"*
5-3	*21D 16' 46"*	*157D 44' 49"*
5-4	*21D 16' 46"*	*157D 44' 48"*
5-5	*21D 16' 46"*	*157D 44' 47"*
5-6	*21D 16' 47"*	*157D 44' 45"*

5-7	21D 16' 45"	157D 44' 50"
5-8	21D 16' 45"	157D 44' 47"
5-9	21D 16' 45"	157D 44' 46"
5-10	21D 16' 46"	157D 44' 43"
5-11	21D 16' 47"	157D 44' 43"
5-12	21D 16' 48"	157D 44' 41"
6-1	21D 16' 48"	157D 44' 40"
6-2	21D 16' 48"	157D 44' 39"
6-3	21D 16' 46"	157D 44' 39"
6-4	21D 16' 48"	157D 44' 36"
6-5	21D 16' 49"	157D 44' 35"
6-6	21D 16' 49"	157D 44' 34"
6-7	21D 16' 50"	157D 44' 34"
6-8	21D 16' 50"	157D 44' 35"
7-1	21D 16' 49"	157D 44' 34"
8-1	21D 16' 49"	157D 44' 32"
8-2	21D 16' 50"	157D 44' 30"
8-3	21D 16' 50"	157D 44' 28"
8-4	21D 16' 51"	157D 44' 26"
8-5	21D 16' 51"	157D 44' 24"
8-6	21D 16' 51"	157D 44' 20"
8-7	21D 16' 50"	157D 44' 29"
8-8	21D 16' 50"	157D 44' 26"
8-9	21D 16' 50"	157D 44' 24"
8-10	21D 16' 51"	157D 44' 20"
9-1	21D 16' 51"	157D 44' 17"
10-1	21D 16' 52"	157D 44' 14"
10-2	21D 16' 53"	157D 44' 13"
10-3	21D 16' 53"	157D 44' 11"
10-4	21D 16' 54"	157D 44' 09"
10-5	21D 16' 52"	157D 44' 11"
10-6	21D 16' 53"	157D 44' 09"
11-1	21D 16' 54"	157D 44' 05"
11-2	21D 16' 56"	157D 44' 05"
11-3	21D 16' 56"	157D 44' 04"
11-4	21D 16' 55"	157D 44' 03"
11-5	21D 16' 55"	157D 44' 02"
11-6	21D 16' 56"	157D 44' 00"
11-7	21D 16' 56"	157D 43' 59"
11-8	21D 16' 54"	157D 44' 03"
11-9	21D 16' 55"	157D 44' 00"
11-10	21D 16' 55"	157D 43' 58"
11-11	21D 16' 57"	157D 43' 57"

11-12	21D 16' 57"	157D 43' 56"
11-13	21D 16' 56"	157D 43' 56"
12-1	21D 17' 10"	157D 43' 21"
12-2	21D 17' 10"	157D 43' 19"
12-3	21D 17' 09"	157D 43' 22"
12-4	21D 17' 09"	157D 43' 20"
13-1	21D 17' 10"	157D 43' 17"
13-2	21D 17' 10"	157D 43' 16"
13-3	21D 17' 10"	157D 43' 15"
13-4	21D 17' 10"	157D 43' 15"
14-1	21D 17 10"	157D 43' 13"
14-2	21D 17 10"	157D 43' 12"
14-3	21D 17 09"	157D 43' 11"
14-4	21D 17 08"	157D 43' 10"
14-5	21D 17 08"	157D 43' 09"
15-1	21D 17' 05"	157D 43' 05"
15-2	21D 17' 05"	157D 43' 05"
15-3	21D 17' 04"	157D 43' 04"
15-4	21D 17' 03"	157D 43' 02"
15-5	21D 17' 02"	157D 43' 01"
15-6	21D 17' 01"	157D 42' 59"
15-7	21D 17' 00"	157D 42' 58"
15-8	21D 17' 03"	157D 43' 00"
16-1	21D 17' 05"	157D 43' 03"
16-1	21D 17' 04"	157D 43' 02"
17-1	21D 17' 00"	157D 42' 57"
17-2	21D 17' 00"	157D 42' 56"
17-3	21D 16' 59"	157D 42' 55"
17-4	21D 16' 59"	157D 42' 54"
17-5	21D 16' 58"	157D 42' 52"
17-6	21D 16' 58"	157D 42' 53"
17-7	21D 16' 57"	157D 42' 49"
17-8	21D 16' 56"	157D 42' 48
17-9	21D 16' 56"	157D 42' 47"
18-1 (Curb & Gutter)	21D 16' 58" to 21D 16' 57"	157D 42' 53" to 157D 42' 51"
19-1 (Sheetflow)	21D 16' 57" to 21D 16' 54"	157D 42' 51" to 157D 42' 43"
20-1	21D 16' 50"	157D 42' 37"
20-2	21D 16' 47"	157D 42' 33"

20-3	*21D 16' 46"*	*157D 42' 31"*
20-4	*21D 16' 44"*	*157D 42' 30"*
20-5	*21D 16' 44"*	*157D 42' 29"*
20-6	*21D 16' 43"*	*157D 42' 29"*
20-7	*21D 16' 41"*	*157D 42' 26"*
20-8	*21D 16' 41"*	*157D 42' 25"*
20-9 (Swale)	*21D 16' 52" 21D 16' 51"*	*157D 42' 39" to 157D 42' 38"*
21-1	*21D 16' 39"*	*157D 42' 23"*
21-2	*21D 16' 34"*	*157D 42' 17"*
21-3	*21D 16' 34"*	*157D 42' 16"*
21-4	*21D 16' 33"*	*157D 42' 15"*
21-5	*21D 16' 32"*	*157D 42' 13"*
21-6	*21D 16' 30"*	*157D 42' 08"*
21-7	*21D 16' 30"*	*157D 42' 05"*
21-8	*21D 16' 29"*	*157D 42' 01"*
21-9	*21D 16' 29"*	*157D 41' 56"*
21-10 (Ditch)	*21D 16' 37" to 21D 16' 34"*	*157D 42' 20" to 157D 42' 18"*
21-11 (Ditch)	*21D 16' 29" to 21D 16' 31"*	*157D 41' 54" to 157D 41' 43"*
22-1 (Swale)	*21D 16' 40" to 21D 16' 34"*	*157D 42' 25" to 157D 42' 18"*

23-1	*21D 16' 52"*	*157D 44' 17"*
23-2	*21D 16' 52"*	*157D 44' 17"*
23-3	*21D 16' 52"*	*157D 44' 16"*
24-1	*21D 17' 10"*	*157D 43' 18"*
24-2	*21D 17' 10"*	*157D 43' 18"*
25-1	*21D 17' 07"*	*157D 43' 07"*
25-2	*21D 17' 07"*	*157D 43' 07"*
25-3	*21D 17' 07"*	*157D 43' 07"*
25-4	*21D 17' 07"*	*157D 43' 07"*
25-5	*21D 17' 07"*	*157D 43' 07"*
25-6	*21D 17' 07"*	*157D 43' 07"*
25-7	*21D 17' 07"*	*157D 43' 07"*
25-8	*21D 17' 06"*	*157D 43' 06"*
25-9	*21D 17' 06"*	*157D 43' 06"*
25-10	*21D 17' 06"*	*157D 43' 06"*
25-11	*21D 17' 06"*	*157D 43' 06"*
25-12	*21D 17' 06"*	*157D 43' 06"*
25-13	*21D 17' 06"*	*157D 43' 06"*
25-14	*21D 17' 06"*	*157D 43' 06"*
26-1	*21D 17' 06"*	*157D 43' 07"*
26-2	*21D 17' 06"*	*157D 43' 07"*
26-3	*21D 17' 06"*	*157D 43' 07"*
26-4	*21D 17' 06"*	*157D 43' 06"*
26-5	*21D 17' 06"*	*157D 43' 06"*
26-6	*21D 17' 06"*	*157D 43' 06"*

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 A-10*

☒ *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.*

A MOU between the City and County of Honolulu Department of Environmental Services and The Department of Facility Maintenance and DOT Highways approves discharge connections to city drainage facilities without private drain connection licenses. The MOU was signed by the C&C of Honolulu Department of Environmental Services on 12/19/01 and the Department of Facility Maintenance on 12/27/01, and the State of Hawaii Department of Transportation on 2/1/02. The MOU is included under Attachment A-10.

1.5 - Existing Pollution Sources/ History of Land Use

Describe the history of land use at the existing Facility/Project site: Kalanianaole Highway in the vicinity of the project was built in 1930 to 1937. From M.P. 16.82 (beginning of the project) to M.P. 14.27 , the roadway is classified as a Freeway and Expressway, and from M.P. 14.27 to M.P. 12.60 (end of the project), the roadway is classified as a Principal Arterial. The highway has undergone numerous widening, resurfacing, drainage improvements, and traffic signals and highway lighting improvements since.

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 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: 54.2 *acres*

Construction site area to be disturbed including storage and staging areas: 3.17 *acres*

Impervious area before construction: 47.2 *acres*

Impervious area after construction: 47.2 *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.

_____ *Millions of Gallons per Day (MGD)*

or

7.10 *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 soil of the project site consists of Mokuleia Clay Loam, Waialua Silty Clay, Keaau Clay, Koko Silt Loam, Mamala Stony Silty Clay Loam, Kawaihapai Clay Loam, Jaucas Sand, Fill Land and Rock Land. Fill material used in roadway reconstruction will consist of Hot Mix Asphalt Base Course and Hot Mix Asphalt Pavement. Soil contamination is not expected in this area as there are no petroleum pipelines within the project limits. Temporary Water Pollution, Dust and Erosion Control special provisions, and Water Pollution and Erosion Control Notes Sheet are shown in Attachment A-6 and Attachment A-7, respectively.

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):* _____

What is being constructed? The roadway, sidewalks, and a bridge end post are being reconstructed. Sections of the median are being landscaped. Guardrail terminal ends are being upgraded.

Describe the scope of work and major construction activities you wish to be covered in this NOI: Construction activities include reconstructing the travelway, repairing and constructing sidewalks, landscaping some sections of the median, and upgrading a bridge end post and guardrail terminal ends.

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):* Per letter of agreement with the City and County of Honolulu, this project falls under the typical project not requiring a grading permit (Road Resurfacing/Rehabilitation/ Landscape Improvement). A copy of the letter of agreement is included in Attachment A-8.

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.* Oahu
b. *Vicinity of the project on the island.* See Attachment A-1
c. *Legal boundaries of the project.* See 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.* See Attachment A-1
e. *ALL discharge points from Sections 1.3 and 1.4 with identification numbers and coordinates.* See Attachment A-1
f. *Boundaries of 100-Year flood plans.* N/A
g. *Areas of soil disturbance.* See Attachments A-1 and A-5
h. *Location(s) of impervious structures (including buildings, roads, parking lots, etc.) after construction is completed.* See Attachment A-5
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
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
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

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

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:

☒ *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	*Separate contaminated clean up materials from construction and demolition (C&D) wastes. Inspect construction waste and recycling areas regularly. Schedule solid waste collection regularly. Schedule recycling activities based on construction/demolition phases. See Solid Waste Management Section SM-6 for additional requirements. Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable. The Contractor shall submit for HDOT acceptance and SSCBMP inclusion a Litter Management Plan. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, and Floating debris and Soil particles resulting from erosion on land involved in earthwork.*	*Roadway Demolition and Construction, Landscaping*

Source/Material	***Description of How Potential Pollutant Source will be Prevented from Discharging with Storm Water Runoff***	***Major Construction Activity***
Materials associated with the operation and maintenance of equipment, such as oil, fuel, and hydraulic fluid leakage	*Use off-site wash racks, repair and maintenance facilities, and fueling sites when practical. Designate bermed wash area if cleaning on site is necessary. Place drip pans or drop cloths under vehicles to absorb spills or leaks. Provide an ample supply of readily available spill cleanup materials. Inspect on-site vehicles and equipment regularly and immediately repair leaks. Regularly inspect fueling areas and storage tanks. Train employees on proper maintenance and spill practices and procedures and fueling and cleanup procedures. Do not remove original product labels. Dispose of containers only after all the product has been used. See Vehicle and Equipment Cleaning, Maintenance, and Refueling, Sections SM-11, SM-12, and SM-13 and Material Use Section SM-3 for additional requirements. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, and toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.*	*Roadway Demolition and Construction, Landscaping*

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	Provide Soil Stabilization, Slope Protection, Storm Drain Inlet Protection SC-2, Perimeter Controls and Sediment Barriers, Check Dams SC-9, Paving Operations SM-19, Construction Road Stabilization EC-1, and Non-Structural BMPs (Employee Training SM-1, Scheduling SM-14) . These BMPs are meant to address Substances in amounts sufficient to produce objectionable color, turbidity or other conditions in the receiving water, Materials that will settle to form objectionable sludge or bottom deposits, and soil particles resulting from erosion on land involved in earthwork.	Roadway Demolition and Construction, Landscaping
Sediment from soil stockpiles	Locate stockpiles a minimum of 50 feet from concentrated runoff. Place bagged materials on pallets and under cover. Provide physical diversion to protect stockpiles from concentrated runoff. Cover stockpiles with plastic or comparable material prior to a rain event during the rainy season. Place silt fence, fiber filtration tubes, or straw wattles around stockpiles. See Protection of Stockpiles Section SM-4 for additional requirements. Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable. These BMPs are meant to address Substances in amounts sufficient to produce objectionable color, turbidity or other conditions in the receiving water, Materials that will settle to form objectionable sludge or bottom deposits, and soil particles resulting from erosion on land involved in earthwork.	Roadway Demolition and Construction, Landscaping

Source/Material	***Description of How Potential Pollutant Source will be Prevented from Discharging with Storm Water Runoff***	***Major Construction Activity***
Emulsified asphalt or prime/tack coat	*Provide training for employees and contractors on proper material delivery and storage practices and procedures. Restrict paving operations during wet weather to prevent contact between storm water and paving materials. Use asphalt emulsions as prime coat when possible. Place geotextile filter fabric over drain inlet structures and manholes during application of tack coat, seal coat, slurry seal, and fog seal. Keep ample supplies of drip pans and absorbent materials on site. Inspect inlet protection equipment. See Material Delivery and Storage Section SM-2 and Paving Operations Section SM-19 for additional requirements. Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, and toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.*	*Roadway Demolition and Construction, Landscaping*

Source/Material	Description of How Potential Pollutant Source will be Prevented from Discharging with Storm Water Runoff	Major Construction Activity
Materials associated with painting, such as paint and paint wash solvent	Hazardous chemicals shall be well-labeled and stored in original containers. Keep ample supply of cleanup materials on site. Dispose container only after all of the product has been used. Remove as much paint from brushes on painted surface. Rinse from water-based paints shall be discharged into the sanitary sewer system. Filter and re-use solvents and thinners. Dispose of oil-based paints and residue as a hazardous waste. Ensure collection, removal, and disposal of hazardous waste complies with regulations. Immediately clean up spills and leaks. Properly store paints, solvents, and epoxy compounds. Properly store and dispose waste materials generated from painting and structure repair and construction activities. Mix paints in a covered and contained area when possible to minimize adverse impacts from spills. See Material Delivery and Storage Section SM-2, Material Use SM-3, Hazardous Waste Management Section SM-9, Spill Prevention and Control Section SM-10, and Structure Construction and Painting Section SM-20 for additional requirements. Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, substances in amounts sufficient to produce objectionable color in the receiving waters, and toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.	Roadway Demolition and Construction, Landscaping

Source/Material	Description of How Potential Pollutant Source will be Prevented from Discharging with Storm Water Runoff	Major Construction Activity
Industrial chemicals, fertilizers, and/or pesticides	Hazardous chemicals shall be well-labeled and stored in original containers. Keep ample supply of cleanup materials on site. Dispose container only after all of the product has been used. Retain a complete set of material safety data sheets on site. Store materials under cover during the rainy season or if rain is forecasted. Store chemicals, drum, and bagged materials on a pallet and when possible, under cover in secondary containment. Restrict amount of herbicide prepared to quantity necessary for the current application. Do not apply herbicides during or just before a rain event. Comply with the recommended usage instructions. Avoid disposal of toxic liquid wastes (solvents, used oils, and paints) or chemicals (additives, acids, and curing compounds) in dumpsters allocated for construction debris. Ensure collection, removal, and disposal of hazardous waste complies with regulations. Hazardous waste that cannot be reused or recycled shall be disposed of by a licensed hazardous waste hauler. See Material Delivery and Storage Section SM-2, Material Use SM-3, and Hazardous Waste Management Section SM-9 for additional requirements. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, substances in amounts sufficient to produce objectionable color in the receiving waters, toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water, and substances which produce undesirable aquatic life.	Roadway Demolition and Construction, Landscaping

Source/Material	***Description of How Potential Pollutant Source will be Prevented from Discharging with Storm Water Runoff***	***Major Construction Activity***
Hazardous waste (Batteries, Solvents, Treated Lumber, etc.)	*Do not dispose of toxic materials in dumpsters allocated for construction debris. Ensure collection, removal, and disposal of hazardous waste complies with regulations. Hazardous waste that cannot be reused or recycled shall be disposed of by a licensed hazardous waste hauler. Segregate and recycle wastes from vehicle/equipment maintenance activities such as used oil or oil filters, greases, cleaning solutions, antifreeze, automotive batteries, and hydraulic and transmission fluids. See Hazardous Waste Management Section SM-9 and Vehicle and Equipment Management, Vehicle and Equipment Maintenance SM-12 for additional requirements. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, substances in amounts sufficient to produce objectionable color in the receiving waters, and Toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.*	*Roadway Demolition and Construction, Landscaping*

Source/Material	***Description of How Potential Pollutant Source will be Prevented from Discharging with Storm Water Runoff***	***Major Construction Activity***
Metals	*Inspect construction waste and recycling areas regularly. Schedule solid waste collection regularly. If metals are stored on site (such as rebar or galvanized poles) store under cover under tarps or in containers. Minimize the amount of material stored on site. Do not stockpile metals in close proximity to discharge points. See Solid Waste Management Section SM-6 for additional requirements. These BMPs are meant to address toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.*	*Roadway Demolition and Construction, Landscaping*
Existing Pollution Sources from Section 1.5 above	*Pollution not associated with construction activities are addressed under the Contractor's Litter Management Plan within the Contractor's work area. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, and Floating debris and Soil particles resulting from erosion on land involved in earthwork.*	*Roadway Demolition and Construction, Landscaping*

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	*Do not over spray water for dust control purposes which will result in runoff from the area. Apply water as conditions require. Washing down of debris or dirt into drainage or sewage systems, or State waters will not be allowed. See Dust Control Section SM-18 for additional requirements. These BMPs are meant to address Substances in amounts sufficient to produce objectionable color, turbidity or other conditions in the receiving water, Materials that will settle to form objectionable sludge or bottom deposits, and soil particles resulting from erosion on land involved in earthwork.*	*Roadway Demolition and Construction, Landscaping*

Source	***Description of How Potential Non-Storm Water Pollution Source will not be Discharged to State Waters***	***Major Construction Activity***
Concrete Truck Wash Water	***Note**: Disposal of concrete truck wash water via percolation is prohibited. Wash concrete-coated vehicles or equipment off-site or in the designated wash area. Locate on-site wash area a minimum of 50 feet away from storm drain inlets, open drainage facilities, or water bodies. Runoff from the on-site concrete wash area shall be contained in a temporary pit or level bermed area where the concrete can set. The temporary pit shall be lined with plastic to prevent seepage of wash water into the ground. Allow wash water to evaporate or collect wash water and all concrete debris in a concrete washout system bin. See Waste Management, Concrete Waste Management Section SM-5 for additional requirements. Concrete wash will be allowed to evaporate or will be legally disposed of. Concrete debris will be collected and legally disposed at a DOH approved solid waste facility. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, substances in amounts sufficient to produce objectionable color in the receiving waters, and Toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.*	*Roadway Demolition and Construction, Landscaping*

Source	***Description of How Potential Non-Storm Water Pollution Source will not be Discharged to State Waters***	***Major Construction Activity***
Construction Exit Wash Water	*A sediment trapping device is required if a wash rack is used in conjunction with the stabilized construction entrance/exit. The pavement shall not be cleaned by washing down the street. If sweeping is ineffective or it is necessary to wash the streets, wash water must be contained either by construction of a sump, diverting the water to an acceptable disposal area, or vacuuming the wash water. Use BMPs for adjacent drainage structures. See Stabilized Construction Entrance Section EC-2 for additional requirements. These BMPs are meant to address Substances in amounts sufficient to produce objectionable color, turbidity or other conditions in the receiving water, Materials that will settle to form objectionable sludge or bottom deposits, and soil particles resulting from erosion on land involved in earthwork.*	*Roadway Demolition and Construction, Landscaping*
Irrigation Water	*Consider irrigation requirements. Avoid species which require irrigation where possible. Design timing and application methods of irrigation water to eliminate the runoff of excess irrigation water into the storm water drainage system. See Seeding and Planting Section EC-5 and California Stormwater BMP Handbook SD-12 Efficient Irrigation included in Attachment A-9 for additional requirements. These BMPs are meant to address Substances in amounts sufficient to produce objectionable color, turbidity or other conditions in the receiving water, Materials that will settle to form objectionable sludge or bottom deposits, and soil particles resulting from erosion on land involved in earthwork.*	*Roadway Demolition and Construction, Landscaping*

Source	***Description of How Potential Non-Storm Water Pollution Source will not be Discharged to State Waters***	***Major Construction Activity***
Saw-cutting Slurry	*Saw cut slurry shall be removed from the site by vacuuming. Provide storm drain protection or Perimeter Sediment Controls during saw cutting. See Paving Operations Section SM-19 for additional requirements. Saw cutting slurry will be contained and legally disposed of at a DOH approved facility. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, substances in amounts sufficient to produce objectionable color in the receiving waters, and Toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.*	*Roadway Demolition and Construction, Landscaping*
Concrete Curing Water	*Avoid overspray of curing compounds. Apply an amount of compound that covers the surface, but does not allow any runoff of the compound. See California Stormwater BMP Handbook NS-12 Concrete Curing included in Attachment A-9 for additional requirements. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, substances in amounts sufficient to produce objectionable color in the receiving waters, and Toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.*	*Roadway Demolition and Construction, Landscaping*

Source	***Description of How Potential Non-Storm Water Pollution Source will not be Discharged to State Waters***	***Major Construction Activity***
Plaster Waste Water	*Any significant residual materials remaining on the ground after the completion of construction shall be removed and properly disposed. If the residual materials contaminate the soil, then the contaminated soil shall also be removed and properly disposed. Plaster waste water shall not be allowed to flow into drainage structures or State waters. See Material Delivery and Storage Section SM-2, Material Use SM-3, and Hazardous Waste Management Section SM-9 for additional requirements. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, substances in amounts sufficient to produce objectionable color in the receiving waters, and Toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.*	*Roadway Demolition and Construction, Landscaping*

Source	***Description of How Potential Non-Storm Water Pollution Source will not be Discharged to State Waters***	***Major Construction Activity***
Water-Jet Wash Water	*For Water-Jet Wash Water used to clean vehicles, use off site wash racks or commercial washing facilities when practical. If on site cleaning is necessary, designate bermed wash areas for cleaning activities. See Vehicle and Equipment Cleaning Section SM-11 for additional information. For Water-Jet Wash Water used to clean impervious surfaces, the runoff shall not be allowed to flow into drainage structures or State Waters. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, substances in amounts sufficient to produce objectionable color in the receiving waters, and Toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.*	*Roadway Demolition and Construction, Landscaping*
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. See Sanitary/Septic Waste Management SM-7 for more information. These BMPs are meant to address Materials that will settle to form objectionable sludge or bottom deposits, Floating debris, oil, grease, scum, or other floating materials, substances in amounts sufficient to produce objectionable color in the receiving waters, and Toxic, corrosive, or other deleterious substances at levels or in combinations sufficient to be harmful to human, animal, plant or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.*	*Roadway Demolition and Construction, Landscaping*

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* See Attachment A-1, Construction Sequence Diagrams.

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.)* See Attachment A-1, Construction Activity Diagrams.

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. 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-5

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.* Areas of sheetflow discharging from the site will be protected using perimeter sediment controls including silt

fences or fiber rolls. If off-site water causes a problem, BMPs will be incorporated into the SSCBMP plan.

f. Areas where vegetative practices are to be implemented. See Attachment A-5

g. Post Construction Final Stabilization BMP Plan. See Attachment A-5

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	*Separate contaminated clean up materials from construction and demolition (C&D) wastes. Inspect construction waste and recycling areas regularly. Schedule solid waste collection regularly. Schedule recycling activities based on construction/demolition phases. Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable. See Solid Waste Management Section SM-6 for additional requirements.*	*See Solid Waste Management Section SM-6. Protect Storm Drain Inlets SC-2, and Perimeter Sediment Controls where applicable.* *The Contractor's Litter Management Plan will be accepted by HDOT and included in the SSCBMP Plan once the Contract is awarded.*
Materials associated with the operation and maintenance of equipment, such as oil, fuel, and hydraulic fluid leakage	*Use off-site wash racks, repair and maintenance facilities, and fueling sites when practical. Designate bermed wash area if cleaning on site is necessary. Place drip pans or drop cloths under vehicles to absorb spills or leaks. Provide an ample supply of readily available spill cleanup materials. Inspect on-site vehicles and equipment regularly and immediately repair leaks. Regularly inspect fueling areas and storage tanks. Train employees on proper maintenance and spill practices and procedures and fueling and cleanup procedures. Do not remove original product labels. Dispose of containers only after all the product has been used. See Vehicle and Equipment Cleaning, Maintenance, and Refueling, Sections SM-11, SM-12, and SM-13 and Material Use Section SM-3 for additional requirements.*	*See Vehicle and Equipment Cleaning, Maintenance, and Refueling, Sections SM-11, SM-12, and SM-13 and Material Use Section SM-3.*
Soil erosion from the disturbed areas	*Provide Soil Stabilization, Slope Protection, Storm Drain Inlet Protection SC-2, Perimeter Controls*	*Soil Stabilization* *1. SM-21 Topsoil Management*

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***
	and Sediment Barriers, Check Dams SC-9, Paving Operations SM-19, Construction Road Stabilization EC-1, and Non-Structural BMPs (Employee Training SM-1, Scheduling SM-14) .	2. *EC-5 Seeding and Planting* 3. *EC-6 Mulching* 4. *EC-7 Geotextiles and Mats* *Slope Protection* 1. *EC-5 Seeding and Planting* 2. *EC-6 Mulching* 3. *EC-7 Geotextiles and Mats* *SC-2 Storm Drain Inlet Protection* *Perimeter Controls and Sediment Barriers* 1. *SC-1 Silt Fence* 2. *SC-5 Vegetated Filter Strips and Buffers* 3. *SC-8 Compost Filter Berm* 4. *SC-13 Sandbag Barrier* 5. *SC-14 Brush or Rock Filter* *SC-9 Check Dams* *SM-19 Paving Operations* *EC-1 Construction Road Stabilization* *Non-Structural BMPs* 1. *SM-1 Employee Training* 2. *SM-14 Scheduling*

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***
Sediment from soil stockpiles	*Locate stockpiles a minimum of 50 feet from concentrated runoff. Place bagged materials on pallets and under cover. Provide physical diversion to protect stockpiles from concentrated runoff. Cover stockpiles with plastic or comparable material prior to a rain event during the rainy season. Place silt fence, fiber filtration tubes, or straw wattles around stockpiles. Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable. See Protection of Stockpiles Section SM-4 for additional requirements.*	*See Protection of Stockpiles Section SM-4. Protect Storm Drain Inlets SC-2, and Perimeter Sediment Controls where applicable.*
Emulsified asphalt or prime/tack coat	*Provide training for employees and contractors on proper material delivery and storage practices and procedures. Restrict paving operations during wet weather to prevent contact between storm water and paving materials. Use asphalt emulsions as prime coat when possible. Place geotextile filter fabric over drain inlet structures and manholes during application of tack coat, seal coat, slurry seal, and fog seal. Keep ample supplies of drip pans and absorbent materials on site. Inspect inlet protection equipment. See Material Delivery and Storage Section SM-2 and Paving Operations Section SM-19 for additional requirements. Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.*	*See Material Delivery and Storage Section SM-2, Paving Operations Section SM-19, Protect Storm Drain Inlets SC-2, and Perimeter Sediment Controls where applicable.*
Materials associated with painting, such as paint and paint wash solvent	*Hazardous chemicals shall be well-labeled and stored in original containers. Keep ample supply of cleanup materials on site. Dispose container only after all of the product has been used. Remove as much paint from brushes on painted surface. Rinse from water-based paints shall be discharged into the sanitary sewer system. Filter and re-use solvents and thinners. Dispose of oil-based paints and residue as a hazardous waste.*	*See Material Delivery and Storage Section SM-2, Material Use Section SM-3, Hazardous Waste Management Section SM-9, Waste Management, Spill Prevention and Control Section SM-10, and Structure Construction and Painting*

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***
	Ensure collection, removal, and disposal of hazardous waste complies with regulations. Immediately clean up spills and leaks. Properly store paints, solvents, and epoxy compounds. Properly store and dispose waste materials generated from painting and structure repair and construction activities. Mix paints in a covered and contained area when possible to minimize adverse impacts from spills. See Material Delivery and Storage Section SM-2, Material Use SM-3, Waste Management, Hazardous Waste Management Section SM-9, Waste Management, Spill Prevention and Control Section SM-10, and Structure Construction and Painting Section SM-20 for additional requirements. Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.	*Section SM-20, Protect Storm Drain Inlets SC-2, and Perimeter Sediment Controls where applicable.*
Industrial chemicals, fertilizers, and/or pesticides	*Hazardous chemicals shall be well-labeled and stored in original containers. Keep ample supply of cleanup materials on site. Dispose container only after all of the product has been used. Retain a complete set of material safety data sheets on site. Store materials under cover during the rainy season or if rain is forecasted. Store chemicals, drum, and bagged materials on a pallet and when possible, under cover in secondary containment. Restrict amount of herbicide prepared to quantity necessary for the current application. Do not apply herbicides during or just before a rain event. Comply with the recommended usage instructions. Avoid disposal of toxic liquid wastes (solvents, used oils, and paints) or chemicals (additives, acids, and curing compounds) in dumpsters allocated for construction debris. Ensure collection, removal, and disposal of hazardous waste complies with regulations. Hazardous waste that cannot be*	*See Material Delivery and Storage Section SM-2, Material Use Section SM-3, and Hazardous Waste Management Section SM-9*

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***
	reused or recycled shall be disposed of by a licensed hazardous waste hauler. See Material Delivery and Storage Section SM-2, Material Use SM-3, and Waste Management, Hazardous Waste Management Section SM-9 for additional requirements.	
Hazardous waste (Batteries, Solvents, Treated Lumber, etc.)	*Do not dispose of toxic materials in dumpsters allocated for construction debris. Ensure collection, removal, and disposal of hazardous waste complies with regulations. Hazardous waste that cannot be reused or recycled shall be disposed of by a licensed hazardous waste hauler. Segregate and recycle wastes from vehicle/equipment maintenance activities such as used oil or oil filters, greases, cleaning solutions, antifreeze, automotive batteries, and hydraulic and transmission fluids. See Hazardous Waste Management Section SM-9 and Vehicle and Equipment Management, Vehicle and Equipment Maintenance SM-12 for additional requirements.*	*See Hazardous Waste Management Section SM-9 and Vehicle and Vehicle and Equipment Maintenance SM-12*
Metals	*Inspect construction waste and recycling areas regularly. Schedule solid waste collection regularly. If metals are stored on site (such as rebar or galvanized poles) store under cover under tarps or in containers. Minimize the amount of material stored on site. Do not stockpile metals in close proximity to discharge points. See Solid Waste Management Section SM-6 for additional requirements.*	*See Solid Waste Management Section SM-6*
Existing Pollution Sources from Section 1.5 above	*Pollution not associated with construction activities are addressed under the Contractor's Litter Management Plan within the Contractor's work area.*	*The Contractor's Litter Management Plan will be accepted by HDOT and included in the SSCBMP Plan once the Contract is awarded.*

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***
Dust Control Water	*Do not over spray water for dust control purposes which will result in runoff from the area. Apply water as conditions require. Washing down of debris or dirt into drainage or sewage systems, or State waters will not be allowed. See Dust Control Section SM-18 for additional requirements.*	*See Dust Control Section SM-18*
Concrete Truck Wash Water	*Wash concrete-coated vehicles or equipment off-site or in the designated wash area. Locate on-site wash area a minimum of 50 feet away from storm drain inlets, open drainage facilities, or water bodies. Runoff from the on-site concrete wash area shall be contained in a temporary pit or level bermed area where the concrete can set. The temporary pit shall be lined with plastic to prevent seepage of wash water into the ground. Allow wash water to evaporate or collect wash water and all concrete debris in a concrete washout system bin. See Waste Management, Concrete Waste Management Section SM-5 for additional requirements.*	*See Waste Management, Concrete Waste Management Section SM-5*
Construction Exit Wash Water	*A sediment trapping device is required if a wash rack is used in conjunction with the stabilized construction entrance/exit. The pavement shall not be cleaned by washing down the street. If sweeping is ineffective or it is necessary to wash the streets, wash water must be contained either by construction of a sump, diverting the water to an acceptable disposal area, or vacuuming the wash water. Use BMPs for adjacent drainage structures. See Stabilized Construction Entrance Section EC-2 for additional requirements.*	*See Stabilized Construction Entrance Section EC-2*
Irrigation Water	*Consider irrigation requirements. Avoid species which require irrigation where possible. Design timing and application methods of irrigation water to eliminate the runoff of excess irrigation water*	*See Seeding and Planting Section EC-5 and California Stormwater BMP Handbook SD-12 Efficient Irrigation*

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***
	into the storm water drainage system. See Seeding and Planting Section EC-5 and California Stormwater BMP Handbook SD-12 Efficient Irrigation included in Attachment A-9 for additional requirements.	*included in Attachment A-9*
Saw-cutting Slurry	*Saw cut slurry shall be removed from the site by vacuuming. Provide storm drain protection during saw cutting. See Paving Operations Section SM-19 for additional requirements. Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.*	*See Paving Operations Section SM-19, Storm Drain Inlet Protection SC-2, Perimeter sediment controls where applicable*
Concrete Curing Water	*Avoid overspray of curing compounds. Apply an amount of compound that covers the surface, but does not allow any runoff of the compound. See California Stormwater BMP Handbook NS-12 Concrete Curing included in Attachment A-9 for additional requirements.*	*See California Stormwater BMP Handbook NS-12 Concrete Curing included in Attachment A-9*
Plaster Waste Water	*Any significant residual materials remaining on the ground after the completion of construction shall be removed and properly disposed. If the residual materials contaminate the soil, then the contaminated soil shall also be removed and properly disposed. Plaster waste water shall not be allowed to flow into drainage structures or State waters. See Material Delivery and Storage Section SM-2, Material Use SM-3, and Hazardous Waste Management Section SM-9 for additional requirements.*	*See Material Delivery and Storage Section SM-2, Material Use Section SM-3, and Hazardous Waste Management Section SM-9*

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-Jet Wash Water	*For Water-Jet Wash Water used to clean vehicles, use off site wash racks or commercial washing facilities when practical. If on site cleaning is necessary, designate bermed wash areas for cleaning activities. See Vehicle and Equipment Cleaning Section SM-11 for additional information. For Water-Jet Wash Water used to clean impervious surfaces, the runoff shall not be allowed to flow into drainage structures or State Waters.*	*See Vehicle and Equipment Cleaning Section SM-11*
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. See Sanitary/Septic Waste Section SM-7 for additional requirements.*	*See Non-Structural Pollution Control Measures Measures (Attachment A-4) and Sanitary/Septic Waste Section SM-7. 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-7). 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

SSCBMP Plan Attachments

Attachment A - Project Site Maps, Construction Plans/Drawings, Flow Chart, BMP Location Maps, and BMP Details (SSCBMP Sections 1.9, 1.10, & 3.0)

PROJECT SITE MAPS, CONSTRUCTION PLANS/DRAWINGS, FLOW CHART, BMP LOCATION MAPS, AND BMP DETAILS

Attachment B – HDOT SSCBMP Plan Training Log (SSCBMP Section 3.3)

Instructions

Check Appropriate Box and Include Additional Sheet for Each of the Training Classes Listed Below on the Training Log Form:

A) Attendance at Department Of Transportation, Highways Division Annual Construction Site Runoff Control, Pollution Prevention, and Good Housekeeping Training for Contractors.

B) Attendance at Non-HDOT sponsored Stormwater BMP Training Courses.

C) Participation in viewing Annual HDOT Construction Site Runoff Control, Pollution Prevention, and Good Housekeeping Training for Contractors on DVD provided by HDOT.

TRAINING LOG

- ❑ *Department of Transportation, Highways Division Annual Construction Site Runoff Control, Pollution Prevention, and Good Housekeeping Training for Contractors*
- ❑ *Non-HDOT Sponsored Stormwater BMP Training Courses*
- ❑ *Annual HDOT Construction Site Runoff Control, Pollution Prevention, and Good Housekeeping Training for Contractors on DVD Provided by HDOT*

Project Name:
Project Location:
Instructor's Name(s):
Instructor's Title(s):

Course Location: _____ *Date:* _____

Course Length (hours): _____

Stormwater Training Topic: (check as appropriate)

- ❑ *Erosion Control BMPs*
- ❑ *Sediment Control BMPs*
- ❑ *Non-Stormwater BMPs*
- ❑ *Emergency Procedures*
- ❑ *Good Housekeeping BMPs*

*Specific Training Objective:*_____

_____

Attendee Roster:

No.	***Name of Attendee***	***Company***
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Add rows as needed.

Attachment C - Construction Schedule (SSCBMP Section 2.2)

CONSTRUCTION SCHEDULE

The date when the SSCBMP Plan, including erosion control measures will be implemented: March 1, 2014
The date when the general contractor will begin the site disturbance: March 15, 2014
The date when each major construction activity begins: March 15, 2014
The proposed timetable for each major activity: The schedule shown in this section is a preliminary estimate. The Contractor shall submit the actual timetable for the activities for inclusion into this SSCBMP Plan.
The date when each major construction activity ends: February 28, 2015
The date when the general contractor will end site disturbance: February 28, 2015
The date when erosion control measures will be removed: March 14, 2015
The date when the Notice of Cessation form will be submitted: March 14, 2015

Attachment D – Sample Subcontractor Certifications/Agreements (SSCBMP Page 4)

SUBCONTRACTOR CERTIFICATION

*NGPC File No: HIR10*_____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Site-Specific Construction Best Management Practice (SSCBMP) Plan for any work that you perform on-site. Any person or group who violates any condition of the SSCBMP Plan may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SSCBMP Plan. A copy of the SSCBMP Plan is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact storm water must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SSCBMP Plan for the above designated project and agree to follow the BMPs and practices described in the SSCBMP Plan.

This certification is hereby signed in reference to the above named project:

*Company:*_____

*Address:*_____

*Telephone Number:*_____

*Type of construction service to be provided:*_____

_____

Signature: _____

Title: _____

Date: _____

Attach copies, retain originals on-site.

Attachment E – Sample SSCBMP Inspection Report Form (SSCBMP Section 3.4)

See HDOT Site-Specific Best Management Practice Plan Inspection and Maintenance Report Form

Attachment F – Contingency Plan (SSCBMP Section 3.5)

SEVERE STORM CONTINGENCY PLAN

The following plan will be implemented by the General Contractor to prevent/respond to polluted discharges resulting from a severe storm or natural disaster. It is the General Contractor's responsibility to abide by the following plan as well as any other binding plan, agreement, regulation, rule, law, or ordinance applicable.

All contactors associated with the following construction project Kalanianaole Highway Resurfacing, West Hind Drive to Vicinity of Hanauma Bay Road, will follow this plan when a severe storm is either forecast or anticipated or as directed by the Engineer. General Contractors shall:

a. Regularly monitor local weather reports for forecasted and/or anticipated severe storm events, advisories, watches, warnings or alerts. The Contractor shall inspect and document the condition of all erosion control measures on that day prior to, during, and within 24 hours after the event. The Contractor shall prepare for forecasted and/or anticipated severe weather events to minimize the potential for polluted discharges.

b. Secure the construction site. Securing the site shall include at a minimum:
   i. Removing or securing equipment, machinery, construction materials, and portable toilets. If portable toilets are to remain on-site, they shall be pumped the day prior to the event.
   ii. Cleaning up all construction debris.
   iii. Stopping scheduled material deliveries.
   iv. Locating and turning off jobsite utilities, including electricity, water, and gas.
   v. Implementing all Best Management Practices detailed in the Site's SSCBMP Plan. This includes BMPs for materials management, spill prevention, and erosion and sediment control. To protect human health, the Engineer will use their discretion as to whether to remove BMPs which may impede flow into inlets causing ponding on the roadway. These changes shall be noted on the SSCBMP plan.
   vi. Work crews shall finalize securing the project site, and evacuate until the severe weather condition has passed.

c. Upon return to the Site, all BMPs shall be inspected, repaired and/or re-installed as needed. If repair or reinstallation of removed BMPs is necessary, it shall be initiated within 24 hours of the inspection. Note the changes on the SSCBMP plan. To facilitate repair or replacement, the Contractor shall be required to store surplus material on the project site if the site is located where replacement materials will not be readily available.

d. When there has been a discharge which violates Hawaii Water Pollution rules and regulations OR there is an imminent threat of a discharge which violates Hawaii Water

Pollution rules and regulations and/or endangers human and/or environmental health, the Engineer shall, at a minimum, execute the following steps:

i. Assess whether construction needs to stop or if additional BMPs are needed to stop or prevent a violation.

ii. Direct the Contractor to take all reasonable measures to protect human health and the environment.

iii. Notify responsible parties listed below and immediately notify the DOH of the incident. The notification shall also include the identity of the pollutant sources and the implemented control or mitigation measures.

1. Owner Contact/Emergency Contact Number:
_(HDOT Construction Resident Engineer/Project Engineer/Construction Inspector)_____

2. Authorized Representative/ Emergency Contact Number:

_(HDOT District Engineer or designated representative who can contact Authorized Representative

3. Contractor/ Emergency Contact Number:

_(Contractor Emergency Contact)_____

4. Department of Health

Clean Water Branch (During regular working hours): 808-586-4309

Hawaii State Hospital Operator (After hours): 808-247-2191

iv. Document corrective actions, take photographs of discharge and receiving waters.

v. Evaluate the effectiveness of the construction BMPs in the Site Specific Construction Best Management Plan in relation to the design storm. If the storm was less than the design storm and BMPs were ineffective, revise BMPs to prevent future discharges of a similar nature.

Attachment G – Sample SSCBMP Amendment Log

AMENDMENT LOG

Project Name: _____

SSCBMP Contact: _____

Amendment No.	***Description of the Amendment***	***Date of Amendment***	***Amendment Prepared by [Name(s) and Title]***

Add rows as needed.