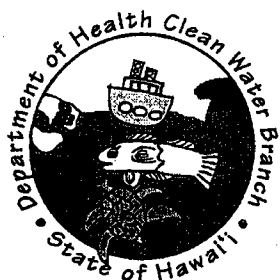


ATTACHMENT #1 (BEGIN)



State of Hawaii
Department of Health
Clean Water Branch

CWB USE ONLY

WQC No.: _____ Engineer: _____
Date Received: _____

CWB-WQC Application

Information Required for the Section 401 Water Quality Certification (WQC)

Before completing this form, read the Guidelines for CWB-WQC Application.

☐ If mail is not received at the street address, provide the mailing address(es) in Item 14, Additional Information.

1. Owner Information (see Guidelines for CWB-WQC Application - Note 1)

Legal Name: STATE OF HAWAII, DEPT. OF TRANSPORTATION, HIGHWAYS DIVISION

Street Address ☐: 869 PUNCHBOWL STREET

City, State and Zip+4 Code: HONOLULU, HAWAII 96813

Contact Person & Title: GLENN M. YASUI, ADMINISTRATOR, HIGHWAYS DIVISION

Phone No.: (808) 587-2220

Fax No.: (808) 587-2340

2. General Contractor Information (see Guidelines for CWB-WQC Application - Note 2)

Name: N/A (The general contractor information will be submitted 30 days before the start of construction activities)

Street Address: _____

City, State and Zip+4 Code: _____

Contact Person & Position Title: _____

Phone No.: () _____

Fax No.: () _____

3. Emergency Contact Information (see Guidelines for CWB-WQC Application - Note 3)

a. Company/Organization Name: Department of Transportation - Hwys. Div., Bridge Design

Contact Person & Title: James Fu, Project Manager

Phone No.: (808) 692-7613

Phone No.: (808) 692-7617

b. Company/Organization Name: Mitsunaga & Associates, Inc.

Contact Person & Title: Chad McDonald, Civil Division Manager

Phone No.: (808) 945-7882 x156

Phone No.: (808) 946-2563

4. Project Site Information (see Guidelines for CWB-WQC Application - Note 4)

Project Name: Replacement of Kokololio Stream Bridge

Government Project/Job No. (as applicable): Federal Aid Project No. BR-083-1(50)

Street Address: Kamehameha Highway - Mile Post 20.21

City, State and Zip+4 Code: Hauula, Hawaii 96717

Contact Person & Title: James Fu, Project Manager

Phone No.: (808) 692-7613

Fax No.: (808) 692-7617

Island: Oahu

| Tax Map Key Number(s) | | | |
|-----------------------|---------|------|-----------|
| Zone | Section | Plat | Parcel(s) |
| 5 | 5 | 6 | 11 and 01 |
| 5 | 5 | 1 | 07 and 55 |

5. Associated Permits or Licenses (see Guidelines for CWB-WQC Application - Note 5)

Provide the type(s), status, corresponding file number(s), and legal authorization(s) of any existing or pending permits or licenses:

a. Department of the Army (DA) Permit or License: Pending

b. Section 402 NPDES Permit: N/A

c. RCRA Permit (Hazardous Wastes): N/A

d. Facility on SARA 313 List (identify SARA 313 chemicals on site): N/A

e. Other (Specify): All Pending: CWB-NOI Form C, CWB-NOI Form G, SCAP
All Approved: SMA-Resolution #03-348, FONSI for EA-HWY-DB 2.9012, Section 106-Doc.
No. 041SC09, Log. No. 2004.0462

6. Receiving State Water Information (see Guidelines for CWB-WQC Application - Note 6)

a. Name: Kokololio Stream (Laie Stream on older maps)

Classification: (check the appropriate space(s))

Inland: Class 1 _____

Class 2 x _____

Estuary

Marine: Class AA _____

Class A _____

Embayment

Describe the associated existing uses at the "discharge" location(s):

Within existing State Highway Right-of-Way

b. Name: N/A

Classification: (check the appropriate space(s))

Inland: Class 1 _____

Class 2 _____

Estuary _____

Marine: Class AA _____

Class A _____

Embayment _____

Describe the associated existing uses at the "discharge" location(s):

N/A

7. Project Description (see Guidelines for CWB-WQC Application - Note 7)

a. Project Site Coordinates

Latitude: 21 E 37 ' 30 " N

Longitude: 157E 55 ' 20 " W

Latitude: _____ E _____ ' _____ " N

Longitude: _____ E _____ ' _____ " W

b. Describe the overall project scope and activities

The project is needed to replace an aging, substandard bridge over Kokololio Stream. The existing bridge is 70 years old (constructed in 1932) and is structurally deficient and obsolete. The bridge does not meet current federal and State of Hawaii design or seismic standards. The existing bridge is narrow and does not have a pedestrian walkway/bike lane. These conditions, combined with the bridge's location at a curve in the road, reduce safety for motorists, pedestrians and bicyclists.

The Federal Highway Administration's National Bridge Inventory (NBI) system requires states to routinely inspect and rate the adequacy of its bridges. Based on the State Department of Transportation's current bridge replacement program, Kokololio Stream Bridge has an NBI ranking of 28. Bridges with an NBI rating lower than 50 qualify to receive federal replacement funds.

The existing concrete highway bridge over Kokololio Stream was constructed in 1932. The bridge is 24 feet long and 27.4 feet wide. The proposed action will replace the existing Kokololio Stream Bridge with a new bridge that will meet current State and Federal design criteria. The proposed concrete bridge will be approximately 45 feet long by 48 feet wide, with two 12-foot wide travel lanes and two 8-foot shoulders. The mauka or west side of the bridge will have an Americans with Disabilities Act (ADA)-compliant, 5-foot wide bikeway/pedestrian walkway.

The proposed project includes construction of a temporary detour road to route traffic around the site while the new bridge is being constructed. The detour road will be constructed within a construction easement within TMK: 5-5-6: 11 and 5-5-6:1 which is unimproved land owned by Hawaii Reserve, Inc. (HRI), a nonprofit corporation owned by the Church of Jesus Christ of Latter Day Saints (Mormon Church). There are two other construction easements on the *makai* end of the bridge within TMK: 5-5-1: 55 and TMK: 5-5-1: 7 to widen the approach at the bridge. The parcels are residential lots that are owned by HRI and Warner Lusardi, a California land developer, accordingly. Mr. Lusardi has also given approval of the construction easement within his parcel. The detour road will be completed prior to the demolition of the existing bridge, and will be located approximately 80 feet *mauka* (west) of the existing bridge. The detour road will have two 12-foot wide travel lanes with two five-foot wide shoulders on either side. The detour road is needed to maintain traffic flow on the existing Kamehameha Highway while the new bridge is being constructed.

Where the detour road crosses Kokololio Stream, two 54-inch pipe culverts will be installed to convey the stream's 25-year design storm flow. The pipe culverts will be removed when the temporary detour road is removed (i.e., after new bridge is completed). The stream is intermittent and only flows following a rain. The project area is completely outside of the Tsunami Evacuation Zone and tidal area. Elevations of the project area range from +3.7 to +16 msl along the streambed. The stream is not on the 2004 List of Impaired Waters in Hawaii prepared under Clean Water Act §303(d). The *mauka* State right-of-way is the boundary of the SMA boundary. The majority project majority area is within Flood Zone 'X', which are areas outside the 500-year flood plain. A small portion of the *mauka* construction easement (200-foot long triangular piece) is with in Zone 'AE', and has a designated 100-year base flood elevation of 8 feet.

A site visit was conducted on March 11, 2004, with the representatives from the consultant, State DOT, HRI and Peter Galloway of the Army Corps of Engineers. The visit was following a day of rain; therefore, the stream was flowing at about 2 inches deep. It was determined that the median stream flow is about 1-foot in depth (lower vegetation height) by 3 feet in width by 70 feet in length at the temporary detour road crossing (upper end of the project limits) where the temporary fill condition will occur. There will be no other fill condition in the stream. The area adjacent to the bridge (lower end of the project limits) has a median stream flow is about 3 inches in depth (lower vegetation height) by 12 feet in width. Areas directly adjacent to the bridge will be excavated in width in order to widen the channel opening to match the new bridge width, therefore, the proposed bridge will have no fill condition. The existing bridge deck will be carefully cut and removed, possibly by crane, as to not fill within the stream. The existing bridge abutments will be left in place while the new bridge abutments are constructed behind it. The existing abutments will be removed in a similar

manner as the deck after the new abutments have been completed. This will help minimize any impact to the existing Kokololio Stream.

- c. Describe the "discharge" activity and the purpose of the proposed discharge activity

Storm water discharges associated with construction activities is the discharge activity anticipated. As part of the Contractor's requirement for NOI-Form C, the site will have BMPs in place on disturbed areas such as grassing where the slopes are less than 2:1 and shotcrete, rock riprap or geotextile matting where the slopes are 2:1 or steeper. Filter fences shall be put in place along the edge of the downstream edge of the disturbed areas and sandbags shall be placed along the stream bed as needed to minimize sediment runoff.

NOI-Form G, Discharges Associated with Construction Activity Dewatering, has been filed though dewatering is not anticipated to be needed. Proposed construction is to occur at the ground water table level (elev. 0 msl) or above. Ground water encountered will be pumped to a truck and used for dust control or landscape irrigation. Form G has been filed to cover the worst case scenario if construction excavation is occurring during a storm when dewatering may be needed.

- d. List all "discharge" activities that the owner is seeking coverage for under this WQC application

Storm water discharges associated with construction activities

Discharges Associated with Construction Activity Dewatering

- e. Specify physical, chemical, biological, thermal, and any other pertinent characteristic of the "discharge" activity

Discharges that occur will have on-site suspended solids of the existing soil which consist of brown silty clays.

8. Description of the Existing Environment and Potential Environmental Effects from the Construction Activities (see Guidelines for CWB-WQC Application - Note 8)

a. Describe the Existing Physical Environment and Potential Physical Environmental Effects

See Section 3.0 of the attached Environmental Assessment

b. Describe the Existing Chemical Environment and Potential Chemical Environmental Effects

See Section 3.1.8 of the attached Environmental Assessment

c. Describe the Existing Biological Environment and Potential Biological Environmental Effects

See Section 3.2 of the attached Environmental Assessment

d. Describe the Existing Uses and Its Potential Effects

The existing land uses are the Kamehameha Highway, makai residential lots and non-developed mauka lots that will not be used in the adjacent areas during construction. The project should not have any environmental impacts as indicated in the attached EA and FONSI. The proposed bridge will provide a safer bridge for both drivers and pedestrians and will meet current State and Federal design guidelines. See also Section 4.0 of the attached Environmental Assessment.

9. Project Schedule (see Guidelines for CWB-WQC Application - Note 9)

a. Provide the estimated date or dates on which the activity will begin and end:

| <u>Item</u> | <u>Start</u> | <u>End</u> |
|-----------------------|---------------|------------|
| Construction Schedule | December 2004 | April 2006 |

b. Provide the date or dates that the discharge(s) will take place:

This is unknown. Discharges will only occur during a storm condition. Dewatering is not expected to be needed except under storm conditions.

10. Site-Specific Best Management Practices (BMP) Plan (see Guidelines for CWB-WQC Application - Note 10) **N/A. To be submitted by the Contractor 30 days before the start of construction activities.**

The BMPs Plan shall, at a minimum, include the following:

a. Maps are attached ☐ Yes ☒ No

b. Site Characterization

N/A

c. Construction Sequence and Duration

N/A

d. Construction Method

N/A

- e. Characteristics of the discharge and potential pollutants associated with the proposed construction activity. **N/A**

| Source | Composition | Quantity | Duration |
|--------|-------------|----------|----------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

- f. Characteristics of the dredged/excavated material. **N/A**

| Source | Composition | Quantity | Duration |
|--------|-------------|----------|----------|
| | | | |
| | | | |
| | | | |

| Source | Composition | Quantity | Duration |
|--------|-------------|----------|----------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

g. Proposed control measures and/or treatment

N/A

11. Applicable Monitoring and Assessment Plan (see Guidelines for CWB-WQC Application - Note 11)

The Applicable Monitoring and Assessment Plan shall, at a minimum, include the following:

N/A. To be submitted by the Contractor 30 days before the start of construction activities.

a. Description of the methods and means being used or proposed to monitor the quality and characteristics of the discharge

N/A

- b. Description of the methods and means being used to monitor/maintain all pollutant control measures

N/A

- c. Reporting requirements

N/A

- d. A narrative of how the monitoring results will be used to demonstrate whether or not the project construction activity was in compliance with the applicable State water quality standards

N/A

12. Mitigation/Compensation Plan (see Guidelines for CWB-WQC Application - Note 12)

N/A The project site does not meet the criteria to be classified as a special aquatic site.

13. Supporting Documents (see Guidelines for CWB-WQC Application - Note 13)

List and submit applicable maps, plans, specifications, copies of associated permits or licenses, federal applications, Environmental Assessments or Environmental Impact Statements, as applicable, etc.

| <u>Document Title</u> | <u>Document Date</u> |
|--|----------------------|
| a. <u>Final EA, Kamehameha Hwy., Kokololio Stream Bridge Replacement</u> | <u>Dec. 2002</u> |
| b. <u>Application for SMA Use Permit (SMP)</u> | <u>Dec. 15, 2003</u> |
| c. <u>FONSI</u> | <u>Dec. 24, 2002</u> |
| d. _____ | _____ |
| e. _____ | _____ |
| f. _____ | _____ |
| g. _____ | _____ |
| h. _____ | _____ |
| i. _____ | _____ |

14. Additional Information (see Guidelines for CWB-WQC Application - Note 14)

It is anticipated that Nation Wide Permit 33 will be applied to this project by the Army Corps of Engineers though that decision is still pending.

15. Statement of Choice of Publication (see Guidelines for CWB-WQC Application - Note 15)

Check One:

☐ Public Notice of Proposed Action

☐ Public Notice of Public Hearing

☒ Not Applicable. The applicant is seeking WQC coverage under authorization of WQC File No. 000543 for a DA permit authorization under the following (provide applicable information):

DA NWP No. 33

DA GP No. _____

DA PGP No. _____

Official determination of the WQC File No. and DA No. are still pending. DA permit was recently submitted and the determination is pending.

Authorization of Representative (see Guidelines for CWB-WQC Application - Note 16)

Check one and complete the appropriate space(s). Alteration of this item will result in the invalidation of the authorization statement(s).

- a. This statement authorizes the named individual or any individual occupying the named position of the company/organization listed below to act as our representative to process the required Section 401 WQC Application to discharge to navigable waters from the subject project. The Owner hereby agrees to comply with and be responsible for all Section 401 WQC conditions.

Company/Organization Name: Mitsunaga & Associates, Inc.

Street Address ☐: 747 Amana Street, Suite 216

City, State and Zip Code+4: Honolulu, Hawaii 96814

Authorized Person & Title: Chad McDonald, Civil Division Manager

Phone No.: (808)945-7882x156

Fax No.: (808)946-2563

- b. This statement authorizes the named individual or any individual occupying the named position of the company/organization listed below to act as our representative to process the required Section 401 WQC Application to discharge to navigable waters from the subject project. Our representative is further authorized to fulfill all conditions of the Section 401 WQC. The Owner hereby agrees to comply with and be responsible for all Section 401 WQC conditions. **N/A**

Company/Organization Name: N/A

Street Address ☐: _____

City, State and Zip Code+4: _____

Authorized Person & Title: _____

Phone No.: ()

Fax No.: ()

- c. This statement authorizes the named individual or any individual occupying the named position of the company/organization listed below to act as our representative to fulfill all conditions of the Section 401 WQC for the subject project. The Owner hereby agrees to comply with and be responsible for all Section 401 WQC Conditions. **N/A**

Company/Organization Name: N/A

Street Address ☐: _____

City, State and Zip Code+4: _____

Authorized Person & Title: _____

Phone No.: ()

Fax No.: ()

- d. A separate statement is attached. Yes _____ No **X** _____

| CWB-WQC Application Checklist | | |
|---|--|-----------------------------|
| If any item is listed as "no," attach a sheet with the reason for its exclusion from the Section 401 WQC Application submittal. | | |
| Item Number | Description | Is item addressed? (yes/no) |
| 1. | Owner Information | Yes |
| 2. | General Contractor Information | No |
| 3. | Emergency Contact Information | Yes |
| 4. | Project Site Information..... | Yes |
| 5. | Associated Permits or Licenses..... | Yes |
| 6. | Receiving State Water Information | Yes |
| 7. | Project Description..... | Yes |
| 8. | Description of the Existing Environment and Potential Environmental Effects from the Construction Activities | Yes |
| 9. | Project Schedule..... | Yes |
| 10. | Site-Specific BMPs Plan | No |
| 11. | Applicable Monitoring and Assessment Plan..... | No |
| 12. | Mitigation/Compensation Plan | Yes |
| 13. | Supporting Documents | Yes |
| 14. | Additional Information | Yes |
| 15. | Statement of Choice of Publication..... | Yes |
| 16. | Authorization of Representative..... | Yes |
| 17. | Certification | No |
| 18. | Filing Fee (\$1000.00) is attached | No |
| 19. | Number of copies with supporting documents submitted | |
| | a. One (1) copy for projects on Oahu with owner's original signature | Yes |
| | b. Two (2) copies for projects on islands other than Oahu (one with owner's original signature) | N/A |