

**CASTLE HILLS ACCESS ROAD  
DRAINAGE IMPROVEMENTS  
Project No. HWY-O-04-98**

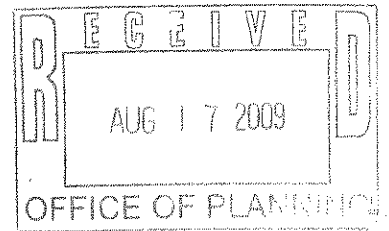
**Application for:  
CZM Federal Consistency Review**

**State of Hawaii  
Department of Transportation  
Highways Division  
869 Punchbowl Street  
Honolulu, Hawaii 96813**

**April 2009**



Hawaii CZM Program  
Coastal Zone Management



**HAWAII CZM PROGRAM**  
**APPLICATION FOR CZM FEDERAL CONSISTENCY REVIEW**

Project/Activity Title or Description: Castle Hills Access Road Drainage Improvements

Location: Kapunahala Stream between Pookela and Kupohu Streets 4-5-108:68-74

Island: Oahu

Tax Map Key: 4-5-024:2-5

**Applicant and Agent Information**

1. Department of Transportation

Name of Applicant

869 Punchbowl Street

Address

Honolulu, HI 96813

City & State Zip Code

587-2150 587-2167

Daytime Phone Fax Number

Brennon T. Morioka, PhD., PE., Dir.

E-mail Address

2.

Name of Agent

Address

City & State Zip Code

Daytime Phone Fax Number

E-mail Address

**CZM Consistency Determination or Certification**

x Check the type of application below and sign.

☐ I. Federal Agency Activity

CZM Consistency Determination: "The proposed activity will be undertaken in a manner consistent to the maximum extent practicable with the enforceable policies of the Hawaii Coastal Zone Management Program."

Signature

Date

(Applicant or responsible party)

☒ II. Federal Permit or License (Please sign below)

CZM Consistency Certification: "The proposed activity complies with the enforceable policies of Hawaii's approved management program and will be conducted in a manner consistent with such program."

Signature

Date

(Applicant or responsible party)

☒ III. Federal Grants and Assistance (Please sign below)

CZM Consistency Certification: "The proposed activity complies with the enforceable policies of Hawaii's approved management program and will be conducted in a manner consistent with such program."

Signature

Date

(Applicant or responsible party)

Send To: Office of Planning, P.O. Box 2359, Honolulu, Hawaii 96804

Print Form

**HAWAII CZM PROGRAM  
FEDERAL CONSISTENCY ASSESSMENT FORM**

RECREATIONAL RESOURCES

Objective: Provide coastal recreational opportunities accessible to the public.

Policies:

- 1) Improve coordination and funding of coastal recreation planning and management.
- 2) Provide adequate, accessible, and diverse recreational opportunities in the coastal zone management area by:
  - a) Protecting coastal resources uniquely suited for recreational activities that cannot be provided in other areas;
  - b) Requiring replacement of coastal resources having significant recreational value, including but not limited to surfing sites and sandy beaches, when such resources will be unavoidably damaged by development; or requiring reasonable monetary compensation to the State for recreation when replacement is not feasible or desirable;
  - c) Providing and managing adequate public access, consistent with conservation of natural resources, to and along shorelines with recreational value;
  - d) Providing an adequate supply of shoreline parks and other recreational facilities suitable for public recreation;
  - e) Encouraging expanded public recreational use of county, State, and Federally owned or controlled shoreline lands and waters having recreational value;
  - f) Adopting water quality standards and regulating point and non-point sources of pollution to protect and where feasible, restore the recreational value of coastal waters;
  - g) Developing new shoreline recreational opportunities, where appropriate, such as artificial reefs for surfing and fishing; and
  - h) Encouraging reasonable dedication of shoreline areas with recreational value for public use as part of discretionary approvals or permits by the land use commission, board of land and natural resources, County planning commissions; and crediting such dedication against the requirements of section 46-6.

RECREATIONAL RESOURCES (continued)

Check either "Yes" or "No" for each of the following questions:

Yes   No

- |    |  |                                     |                                     |
|----|--|-------------------------------------|-------------------------------------|
| 1. | Will the proposed action involve or be near a dedicated public right-of-way? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 2. | Does the project site abut the shoreline?                                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 3. | Is the project site near a State or County park?                             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 4. | Is the project site near a perennial stream?                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 5. | Will the proposed action occur in or affect a surf site?                     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 6. | Will the proposed action occur in or affect a popular fishing area?          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 7. | Will the proposed action occur in or affect a recreational or boating area?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 8. | Is the project site near a sandy beach?                                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 9. | Are there swimming or other recreational uses in the area?                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Discussion:

Project area is not a recreational resource.

## HISTORIC RESOURCES

Objective: Protect, preserve, and where desirable, restore those natural and man-made historic and pre-historic resources in the coastal zone management area that are significant in Hawaiian and American history and culture.

### Policies:

- 1) Identify and analyze significant archaeological resources;
- 2) Maximize information retention through preservation of remains and artifacts or salvage operations; and
- 3) Support State goals for protection, restoration, interpretation, and display of historic resources.

Check either "Yes" or "No" for each of the following questions:

	<u>Yes</u>	<u>No</u>
1. Is the project site within a historic/cultural district?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Is the project site listed on or nominated to the Hawaii or National register of historic places?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Does the project site include undeveloped land which has not been surveyed by an archaeologist?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Has a site survey revealed any information on historic or archaeological resources?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Is the project site within or near a Hawaiian fishpond or historic settlement area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Project will not have any adverse affect on archaeological or historic resources.

## SCENIC AND OPEN SPACE RESOURCES

Objective: Protect, preserve and where desirable, restore or improve the quality of coastal scenic and open space resources.

### Policies:

- 1) Identify valued scenic resources in the coastal zone management area;
- 2) Insure that new developments are compatible with their visual environment by designing and locating such developments to minimize the alteration of natural landforms and existing public views to and along the shoreline;
- 3) Preserve, maintain and where desirable, improve and restore shoreline open space and scenic resources; and
- 4) Encourage those developments that are not coastal dependent to locate in inland areas.

Check either "Yes" or "No" for each of the following questions:

Yes   No

- |   |                          |                                     |
|---|--------------------------|-------------------------------------|
| 1. Does the project site abut a scenic landmark?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Does the proposed action involve the construction of a multi-story structure or structures?                                    | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Is the project site adjacent to undeveloped parcels?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Does the proposed action involve the construction of structures visible between the nearest coastal roadway and the shoreline? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Will the proposed action involve construction in or on waters seaward of the shoreline? On or near a beach?                    | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion:

Project is limited to culvert outlet improvements and stream bank stabilization.

## COASTAL ECOSYSTEMS

Objective: Protect valuable coastal ecosystems from disruption and minimize adverse impacts on all coastal ecosystems.

Policies:

- 1) Improve the technical basis for natural resources management;
- 2) Preserve valuable coastal ecosystems of significant biological or economic importance;
- 3) Minimize disruption or degradation of coastal water ecosystems by effective regulation of stream diversions, channelization, and similar land water uses, recognizing competing water needs; and
- 4) Promote water quantity and quality planning and management practices, which reflect the tolerance of fresh water and marine ecosystems and prohibit land and water uses, which violate State, water quality standards.

Check either "Yes" or "No" for each of the following questions:

	<u>Yes</u>	<u>No</u>
1. Does the proposed action involve dredge or fill activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Is the project site within the Shoreline Setback Area (20 to 40 feet inland of the shoreline)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Will the proposed action require some form of effluent discharge into a body of water?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Will the proposed action require earthwork beyond clearing and grubbing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Will the proposed action include the construction of special waste treatment facilities, such as injection wells, discharge pipes, or cesspools?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Is an intermittent or perennial stream located on or near the project site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Does the project site provide habitat for endangered species of plants, birds, or mammals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is any such habitat located nearby?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. Is there a wetland on the project site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Is the project site situated in or abutting a Natural Area Reserve?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Is the project site situated in or abutting a Marine Life Conservation District?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Is the project site situated in or abutting an estuary?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

The portions of the project site are considered wetlands but is not a significant wildlife habitat. The project will require minor excavation to construct the new culvert outlet structure. This activity will occur on previously disturbed land. Stream bank stabilization may also require additional ☐ earthwork. This activity is essential to minimize the existing high erosion levels and unstable stream banks. If the project were not to proceed, an already hazardous condition will increase.

## ECONOMIC USES

Objective: Provide public or private facilities and improvements important to the State's economy in suitable locations.

### Policies:

- 1) Concentrate in appropriate areas the location of coastal dependent development necessary to the State's economy;
- 2) Insure that coastal dependent development such as harbors and ports, visitor industry facilities, and energy generating facilities are located, designed, and constructed to minimize adverse social, visual, and environmental impacts in the coastal zone management area; and
- 3) Direct the location and expansion of coastal dependent developments to areas presently designated and used for such development and permit reasonable long-term growth at such areas, and permit coastal dependent development outside of presently designated areas when:
  - a) Utilization of presently designated locations is not feasible;
  - b) Adverse environmental effects are minimized; and
  - c) Important to the State's economy.

Check either "Yes" or "No" for each of the following questions:

	<u>Yes</u>	<u>No</u>
1. Does the project involve a harbor or port?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Is the project site within a designated tourist destination area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Does the project site include agricultural lands or lands designated for such use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Does the proposed activity relate to commercial fishing or seafood production?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Does the proposed activity related to energy production?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Does the proposed activity relate to seabed mining?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Project will not affect economic activity beyond construction expenditures.



## COASTAL HAZARDS

Objective: Reduce hazard to life and property from tsunami, storm waves, stream flooding, erosion, and subsidence.

### Policies:

- 1) Develop and communicate adequate information on storm wave, tsunami, flood erosion, and subsidence hazard;
- 2) Control development in areas subject to storm wave, tsunami, flood, erosion, and subsidence hazard;
- 3) Ensure that developments comply with requirements of the Federal Flood Insurance Program; and
- 4) Prevent coastal flooding from inland projects.

Check either "Yes" or "No" for each of the following questions:

	<u>Yes</u>	<u>No</u>
1. Is the project site on or abutting a sandy beach?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Is the project site within a potential tsunami inundation area as depicted on the National Flood Insurance Program flood hazard map?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Is the project site within a potential flood inundation area according to a flood hazard map?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Is the project site within a potential subsidence hazard areas according to a subsidence hazard map?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Has the project site or nearby shoreline areas experienced shoreline erosion?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Discussion:

Project site is located in Zone X according to Panel 270 of the FEMA FIRM map.

## MANAGING DEVELOPMENT

Objective: Improve the development review process, communication, and public participation in the management of coastal resources and hazards.

Policies:

- 1) Effectively utilize and implement existing law to the maximum extent possible in managing present and future coastal zone development;
- 2) Facilitate timely processing of application for development permits and resolve overlapping or conflicting permit requirements; and
- 3) Communicate the potential short- and long-term impacts of proposed significant coastal developments early in their life cycle and in terms understandable to the general public to facilitate public participation in the planning and review process.

Check either "Yes" or "No" for each of the following questions:

Yes   No

- |    |  |                                     |                          |
|----|--|-------------------------------------|--------------------------|
| 1. | Will the proposed activity require more than two (2) permits or approval?<br>(Provide the status of each.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. | Does the proposed activity conform with the State and County land use designations for the site?           | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. | Has or will the public be notified of the proposed activity?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. | Has a draft or final environmental impact statement or an environmental assessment been prepared?          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Discussion:

Project will require a Department of the Army Permit, a Department of Health Water Quality Certificate, and a DLNR Stream Alteration Permit. All permits are pending. Informational meetings regarding the project were conducted and the public will continue to be informed of the project. A Finding of No Significant Impact has been issued for the project.

## PUBLIC PARTICIPATION

Objective: Stimulate public awareness, education, and participation in coastal management.

Policies:

- 1) Maintain a public advisory body to identify coastal management problems and to provide policy advice and assistance to the coastal zone management program;
- 2) Disseminate information on coastal management issues by means of educational materials, published reports, staff contact, and public workshops for persons and organizations concerned with coastal-related issues, developments, and government activities; and
- 3) Organize workshops, policy dialogues, and site-specific mediations to respond to coastal issues and conflicts.

Discussion. Please provide information about the proposal relevant to the Objective and Policies No. 2 and No. 3 above:

Community informational meetings sponsored by the Department of Transportation were conducted to inform area residents of the proposed project.

## BEACH PROTECTION

Objective: Protect beaches for public use and recreation.

Policies:

- 1) Locate new structures inland from the shoreline setback to conserve open space and to minimize loss of improvements due to erosion;
- 2) Prohibit construction of private erosion-protection structures seaward of the shoreline, except when they result in improved aesthetic and engineering solutions to erosion at the sites and do not interfere with existing recreational and waterline activities; and
- 3) Minimize the construction of public erosion-protection structures seaward of the shoreline.

Discussion. Please provide information about the proposal relevant to the Objective and Policies above:

The project is not located near the shoreline. The proposed action is required for public health and safety as the present condition of the project site is hazardous due to extreme erosion. The proposed improvements will ensure that downstream residents will not be placed at risk due to stream bank hazards.

## MARINE RESOURCES

Objective: Implement the State's ocean resources management plan.

Policies:

- 1) Exercise an overall conservation ethic, and practice stewardship in the protection, use, and development of marine and coastal resources;
- 2) Assure that the use and development of marine and coastal resources are ecologically and environmentally sound and economically beneficial;
- 3) Coordinate the management of marine and coastal resources and activities management to improve effectiveness and efficiency;
- 4) Assert and articulate the interests of the State as a partner with federal agencies in the sound management of ocean resources within the United States exclusive economic zone;
- 5) Promote research, study, and understanding of ocean processes, marine life, and other ocean resources in order to acquire and inventory information necessary to understand how ocean development activities relate to and impact upon ocean and coastal resources; and
- 6) Encourage research and development of new, innovative technologies for exploring, using, or protecting marine and coastal resources.

Discussion. Please provide information about the proposal relevant to the Objective and Policies above:

The proposed action will not have any impact on marine resources other than the possible ☐ improvement of improved water quality. The proposed improvements will mitigate erosion and ☐ subsequent runoff that may adversely affect water quality.