

Kaloko-Honokōhau Silhouette Sign Project Meeting
February 11, 2021, 1:00 p.m.
Kaloko Pond Picnic Area

Attendees: Fred Cachola (Makani Hou), Paka Harp (Makani Hou), Jon Jokiel (NPS), Harry Takiue (HDOT)
Keola Awong (NPS)

Keola handed out the Design Exploration Summary developed by Harpers Ferry Center in collaboration with Jon and Keola. Keola informed everyone that this design summary is just a Design Exploration to begin the process of planning for these silhouette signs and that nothing is set in stone. We have seven considerations that we wanted to address during this meeting-

1. **Size / Scale vs. In landscape**
2. **Visibility / readability at distance**
3. **Material / structure / durability**
4. **Proximity to highway**
5. **Foundation requirements vs. Disturbance to local landscape**
6. **Visitor Interaction (access, selfies, sitting, climbing, etc.**
7. **Cost**

1. Size / Scale

Three different signs were discussed-

- A. One positive variant silhouette (as seen on page 5 of the Design Exploration Summary).
Volcanic stone base approx. 6 ft. high X approx. 10 ft. wide
The metal silhouette would stand approx. 8 ft.
This will be located in the already disturbed area near the Hale Ho'okipa Visitor Center near the Mamalahoa trail.
- B. Three 6 ft. tall human silhouette made of powder coated aluminum, measured at ground level.
These will not be visible from the highway. One silhouette would be located near #2 as shown on pg. 1 of the Design Exploration summary the second would be located near #5 and the third silhouette would be located off of the Ala Nui Kaloko Road where the Mamalahoa trail intersects the road.
- C. Trail Maker signs (much like the Ahupua'a signs currently on the Highway). Location of these signs on the Highway are at or near #1, 2, 4, and 5. See page 1 of Design Exploration Summary.

2. Visibility

Visibility was discussed with Harry Takiue from HDOT he reference Sec. 19-103-4 which states the following.

Limitations along interstate highways. The following limitations shall apply to areas adjacent to interstate highways only:

- (1) Not more than one sign, advertising the sale or lease of property upon which the sign is located, may be permitted in such manner as to be visible to traffic proceeding in any one direction on any interstate highway.

(2) Not more than one sign, visible to traffic proceeding in any one direction on any one interstate highway and advertising activities being conducted upon the real property where the sign is located, may be permitted more than 50 feet from the advertised activity.

(3) Signs in the specific interest of the traveling public on interstate highways may be permitted. Only information about public places operated by federal, state or local governments, natural phenomena, historic sites, areas of natural scenic beauty or naturally suited for outdoor recreation is deemed to be in the specific interest of the traveling public. These signs in the specific interest of the traveling public shall be limited as follows:

(A) In advance of an intersection of the main-traveled way of an interstate highway and an exit roadway, those signs visible to interstate highway traffic approaching the intersection may not exceed the following number:

Distance from <u>Intersection</u>	Number of <u>signs</u>
0 – 2 miles	0
2 – 5 miles	6
More than 5 miles	Average of 1 sign per mile

The specified distances shall be measured to the nearest point of the intersection of the traveled way of the exit roadway and the main-traveled way of the interstate highway. See attached Department of Transportation Rules Repealing Rules and Regulations.

3. Material

Possible materials used to fabricate the silhouette signs was discussed.

- A. Powder coated aluminum (dark brown) was preferred for the large silhouette located at the Hale Ho'okipa. Thickness to be determined by engineer.
- B. Powder coated aluminum (dark brown) was preferred for 6 ft. silhouettes.
- C. Trail marker signs would be the same material as the Ahupua'a signs currently on the highway

4. Proximity to the Highway

- A. Large sign located closest to the Hale Ho'okipa will not be a problem
- B. 6 ft. silhouette signs are not visible from the highway
- C. Trail Marker signs will be visible from the highway, Harry will check on this and get back to us

5. Foundation requirements vs. Disturbance to local landscape

- A. It is preferred that the large silhouette sign located in the already disturbed area near the Hale Ho'okipa be constructed as seen on the Design Exploration Summary.
- B. 6 ft. silhouette signs could be anchored in place by two poles drilled into the ground with minimal disturbance to the area
- C. Trail Marker signs can utilize standard street sign poles used by HDOT.

6. Visitor Interaction (access, selfies, sitting, climbing, etc.)

We will have a combination of protective walls/signage and welcome any suggestions to deter inappropriate interactions with signs.

7. Cost

We have a total of \$118K for the design/manufacture/installation of these signs. We estimate the following:

- A. The large silhouette at the Hale Ho'okipa - \$40K
- B. The 6 ft. silhouettes on the trail - \$10K each
- C. Trail Markers signs - \$4K each