



US Army Corps of Engineers
Honolulu District
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Public Notice of Preparation of an Environmental Assessment

Civil and Public Works Branch
Building 230
Fort Shafter, Hawaii 96858-5440

Public Notice Date: May 17, 2021
Expiration Date: 30 days
Corps Project: **Iao Stream Flood
Control Project**

Interested parties are hereby notified that the Honolulu District, U.S. Army Corps of Engineers (Corps) is preparing a Supplemental Environmental Assessment (EA) to assess the significance of the potential impacts of the proposed action on the quality of the human environment in accordance with the Council on Environmental Quality's National Environmental Policy Act (NEPA) Implementing Regulations at 40 CFR Parts 1500 to 1508, as amended, and the Corps' NEPA regulations at 33 CFR 230. The Corps has preliminarily determined that the proposed action is not likely to result in significant impacts on the human environment and an Environmental Impact Statement will not be prepared.

With this notice, the Corps seeks to involve the public as it prepares the draft EA for proposed repairs to an existing federal project, as a matter of due diligence. In addition, and in accordance with 33 CFR 230, the Corps will again seek public involvement and solicit comment on the completed draft Supplemental EA in July 2021. The Corps will consider comments received during the public comment period for the draft Supplemental EA in making a determination on a finding of no significant impact. Concurrent to involving the public, the Corps will pursue interagency coordination on the proposed action.

ACTION AGENCY: Ms. Rhiannon Kucharski, Chief, Civil and Public Works Branch, Honolulu District, U.S. Army Corps of Engineers, Building 230, Fort Shafter, Hawaii 96858-5440

LOCATION: River Station (RS) 55+50 to 48+50 and RS 91+50, Iao Stream Flood Control Project, Wailuku River, Wailuku, Island of Maui, Hawaii (Center coordinates: 20.899867N, -156.494564W and 20.893229N, -156.502358W, respectively.) See map attached to this notice.

DESCRIPTION OF THE FEDERAL PROJECT: The Iao Stream Flood Control Project (FCP) is located within the Wailuku River (formerly Iao Stream) in Wailuku, Hawaii and

was authorized in 1968 at a cost of \$1.68 million. Construction of the project was completed in October 1981 and consists of a debris basin located 2.5 miles upstream of the stream mouth, a 3,500 feet (ft) long lined channel downstream from the debris basin, and levees along the left and right banks. The Lao Stream FCP was turned over to the County of Maui as the Non-Federal Sponsor, to operate and maintain.

DESCRIPTION OF THE PROPOSED ACTION: The Corps proposes discrete repairs at two locations wholly occurring within the lateral limits of the Lao Stream FCP channel, to improve public safety and reduce future maintenance requirements for the County of Maui, Department of Public Works. River Station (RS) 55+50 to 48+50 requires removal of the existing left bank revetment, "Revetment X", to allow the Wailuku River to meander and naturally slow velocities. Further upstream, at RS 91+50, construction of a "pre-formed scour hole" is required to rehabilitate the channel invert. See figures attached to this notice.

Removal of Revetment X. In this reach of the Lao Stream FCP, the natural channel was straightened and narrowed with boulder-concrete (grouted riprap) lining of the banks and a buried toe, to provide the congressionally authorized level of flood protection. The bed of the channel remains unlined.

Under the proposed action, the Corps will remove approximately 200 linear feet of the reinforced left bank of Revetment X, widening the channel to within the lateral limits of the FCP and reducing streamflow velocity. Further stabilization of the left bank is not proposed. No action is proposed along the right bank.

Note that the proposed action at Revetment X (in addition to other previously proposed actions) was previously evaluated in 2017 under the Corps' EA, including required interagency coordination and public involvement, and concluding in a finding of no significant impact. The currently proposed action, herein described, is identical to the description of the same proposed action in the 2017 EA (See Alternative F). The EA for the proposed action will supplement the 2017 EA. The 2017 EA is available for reference online at: <https://poh.usace.army.mil/Missions/Civil-Works/Civil-Works-Projects/lao-Stream/>.

Pre-formed scour hole. In this reach of the Lao Stream FCP, located downstream of Market Street Bridge and vertical drop structure, the transition from the upstream boulder concrete lined invert to the downstream unlined channel has eroded and undermines the structural stability of the FCP at this location. Under the proposed action, the Corps will excavate the eroded channel invert and construct a "pre-formed scour hole" i.e. engineered stabilization of the scoured invert consisting of a boulder-concrete sloped toe with buried key using material consistent with the existing channel. The proposed channel invert rehabilitation will repair existing erosion and prevent future, imminent erosion.

Detail regarding construction means, methods and sequencing, best management practices and staging and access requirements is currently unavailable, pending

authorization to fund the repairs and proceed to the design phase, wherein construction detailing will become available. The lao Stream FCP was constructed with maintenance accessways intended to facilitate maintenance repair to and within the channel. The Corps assumes use of existing maintenance accessways to complete the proposed repairs.

ALTERNATIVES: The reasonable alternatives under consideration by the Corps at this time include the following: 1) No Action, 2) Removal of Revetment X only, 3) Pre-formed scour hole only, and 4) the Proposed Action, as described above.

AUTHORITY(S): The lao Stream FCP was authorized under Section 203 of the Flood Control Act of 1968 (Public Law 90-483). No further congressional authorization is required for the proposed action.

COMMENT AND REVIEW PERIOD: The Corps is soliciting initial comments from the general public, Federal, State and local agencies and officials, and other interested parties in order to consider and evaluate the impacts of the proposed action on the human environment. Any comments received will be considered. Only those comments received during the designated comment and review period will be considered by the Corps in preparation of the draft EA. All comments received will become a part of the administrative record.

Written comment on this public notice must be submitted via conventional mail or electronic mail (e-mail).

Comments sent by conventional mail should include your name, return mailing address, phone number, and reference to "lao Stream Flood Control Project" and be sent to:

U.S. Army Corps of Engineers, Honolulu District
Civil and Public Works Branch (CEPOH-PPC)
Attn: Jessie Paahana
Building 230
Fort Shafter, Hawaii 96858-5440

Comments sent by e-mail may be sent to: CEPOH-Planning@usasce.army.mil. If using email, you must include reference to "lao Stream Flood Control Project" in the subject heading of the email along with your name, mailing address and phone number. In order to be accepted, e-mail comments must originate from the author's e-mail account.

To be accepted, all comments, whether transmitted by conventional mail or e-mail, must be received by our office within **30 days** of the date of this notice.

VIRTUAL PUBLIC INFORMATION EVENT: The public is invited to attend a virtual information event hosted by the Corps on either of the following dates:

May 22, 2021 at 9:00am – 10:00am HST, and
May 29, 2021 at 9:00am – 10:00am HST.

The Corps will present the proposed action, accept public comment and answer questions to the best of our ability during this event. The same information will be presented at both meetings.

Access Information:

Join online webinar via Cisco WebEx platform at
<https://usace1.webex.com/meet/jessie.k.paahana>.

Access via this platform is interactive and includes both visual and audio transmittal.

Join by phone, toll free at 1 (844) 800-2712. Access code: 199 533 9315.

Access via this platform is not interactive and includes audio transmittal only.

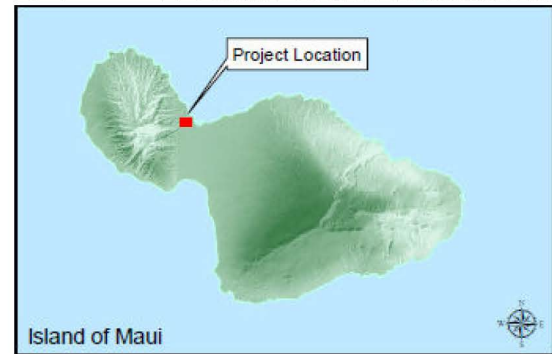
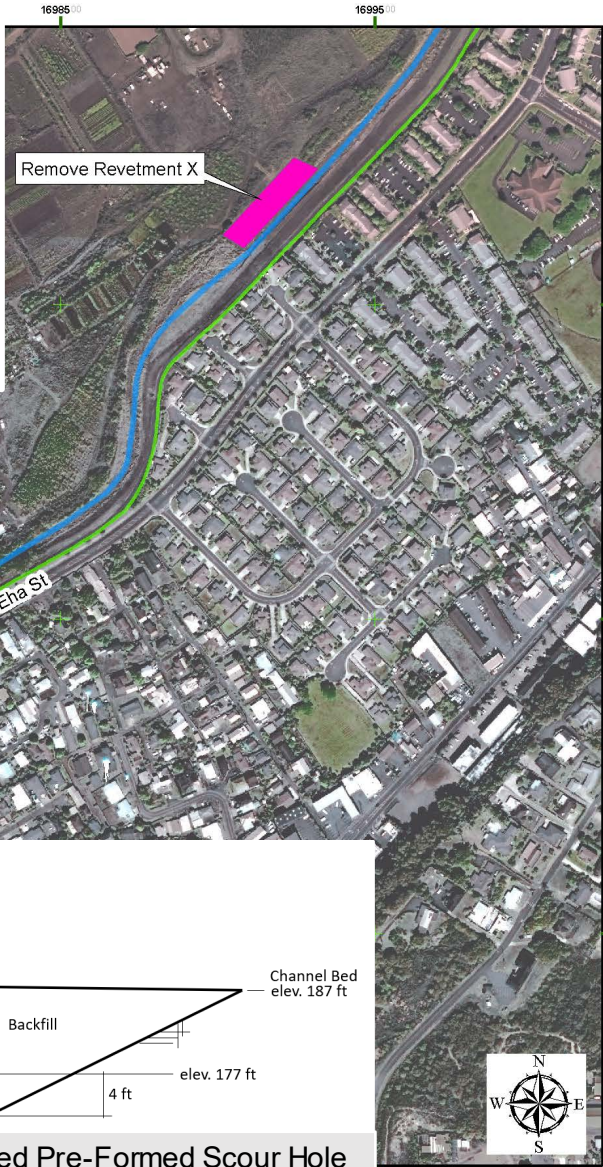
This event coincides with the comment and review period; comments received at this event will be considered in the preparation of the draft EA and will become a part of the administrative record. Comments submitted in response to, but not at this event, must follow the submittal procedures described above for written comments.

This public notice is issued by the Chief, Civil and Public Works Branch.

Attachment



Channel scour at Revetment X

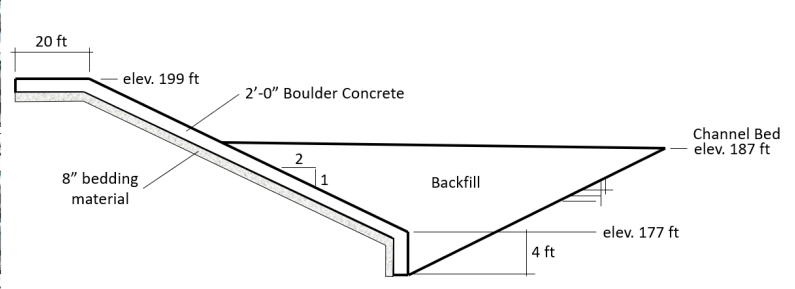
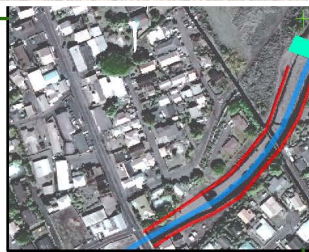


Legend

- Tributary
- Floodwall
- Levee
- River
- Install Preformed Scour Hole
- Remove Revetment X



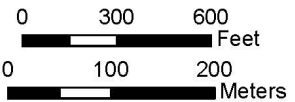
Existing head cut at upstream lined channel; proposed location of pre-formed scour hole



Cross-Section View of Proposed Pre-Formed Scour Hole



**Tentatively Selected Plan, General Site Plan
Iao Stream Flood Control Project
Wailuku, Island of Maui, Hawaii**



Notes:
 1. This map is for conceptual purposes only and all areas are approximate.
 2. Coordinate System: Hawaii State Plane Zone 2, NAD 83 HARN, Feet
 3. Imagery date: 2005, Source: DOQQ NRCS
 4. Map produced by the Civil Works Technical Branch (CEPOH-EC-T) on March 8, 2021