

**From:** [Soriano, Natasha A](#)  
**To:** [Brian Takeda](#)  
**Cc:** [Laura Mau](#); [Smith, Donald L](#)  
**Subject:** RE: Queen Ka'ahumanu Hwy Ph 2 MOA Stipulation 15 Terrain Model - Digital Model Review  
**Date:** Tuesday, September 25, 2018 2:26:33 PM

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Brian,

It's been over a month since we first reached out to Rick. Let's move on and complete the terrain model and have it delivered to the Hilo baseyard, 50 Makala St., Hilo, HI 96720

-Natasha

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**From:** Brian Takeda <BrianT@rmtowill.com>  
**Sent:** Wednesday, September 05, 2018 4:01 PM  
**To:** Soriano, Natasha A <natasha.a.soriano@hawaii.gov>; Gmirkin, Richard <rick\_gmirkin@nps.gov>  
**Cc:** Laura Mau <lauram@rmtowill.com>  
**Subject:** RE: Queen Ka'ahumanu Hwy Ph 2 MOA Stipulation 15 Terrain Model - Digital Model Review  
**Importance:** High

Hi Natasha and Rick,

Please let Natasha and I know when you would be available to discuss the Terrain Model. There are still some items we recall from the last meeting we had that we'd like to discuss with you and work out for the benefit of the group we've been meeting with.

Thanks Rick and we hope you will find some time for us.

Sincerely,

Brian Takeda  
Planning Project Manager  
<mailto:BrianT@rmtowill.com>

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**From:** Soriano, Natasha A [<mailto:natasha.a.soriano@hawaii.gov>]  
**Sent:** Tuesday, August 21, 2018 10:33 AM  
**To:** Gmirkin, Richard  
**Cc:** Brian Takeda  
**Subject:** RE: Queen Ka'ahumanu Hwy Ph 2 MOA Stipulation 15 Terrain Model - Digital Model Review

Hi Rick,

I know it's been a while since you gave your comments concerning the terrain model. I'd like to schedule a telcon with you and Brian from RM Towill at your earliest convenience to circle back to your concerns.

Thanks,  
Natasha

**From:** Gmirkin, Richard <[rick\\_gmirkin@nps.gov](mailto:rick_gmirkin@nps.gov)>

**Sent:** Thursday, March 29, 2018 11:08 AM

**To:** Soriano, Natasha A <[natasha.a.soriano@hawaii.gov](mailto:natasha.a.soriano@hawaii.gov)>

**Cc:** Aric Arakaki <[aric\\_arakaki@nps.gov](mailto:aric_arakaki@nps.gov)>; Mandy Johnson <[amanda\\_johnson@nps.gov](mailto:amanda_johnson@nps.gov)>

**Subject:** Queen Ka'ahumanu Hwy Ph 2 MOA Stipulation 15 Terrain Model - Digital Model Review

Aloha Natasha,

Please excuse the delay on providing comments on the Digital Model. Below are some general comments and questions:

Without context, it is difficult to ascertain the purpose of this map. It would have been beneficial for all reviewers to have a narrative that explains what is the desired outcome by the NHO participants that requested this MOA stipulation. My understanding is that it is to be a physical 3D model and digital version intended to depict the physical and cultural landscape of Kekaha highlighting the transportation system in prehistoric/historic times. I believe the purpose(s) and format need to be further clarified as well as a clear intent of what information is being portrayed. This will help guide what should be included on this map and how we review.

What are the sources for trail location information? There are several trail sections that appear to have come from older maps that may not have been correct.

Is the map intended to be of a particular time or will there be some way to differentiate between ancient foot trails, historically modified trails to accommodate horse and mule, and kingdom built trails? Will this show the evolution of the transportation system from ancient to historic times? This is not clear, again because there are no narrative guidelines describing the NHOs desire. The current draft is a mix of ancient and historic trails and the modern Queen Kaahumanu Hwy. There needs to be a way to distinguish between the different types of trails.

Trail networks within an ahupua'a and the overall region serve a specific

function. Currently the map only depicts a minimal representation of actual trails, habitation areas, farming zones (Kona Field System), coastal settlements and other natural resources gathering zones. If there is a reason for some being shown and not others then it should be clear why.

Please allow for more input from NHO signatories on this stipulation so that the desired product is delivered. For the next round of reviews, please provide a narrative that provides clear purpose for the map so that all reviewing are on the same page.

Mahalo for your consideration

Rick

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Rick Gmirkin  
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Ala Kahakai National Historic Trail  
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