

LOL-HECO-IR-40

Ref: “the Project Team would request supplementary information or clarification” (Exhibit 7, EDM Report, page 14).

Question(s):

- a. Please provide a copy of these requests.
- b. Please note any Project Team requests that HECO was unable to provide to the Project Team.

HECO Response:

- a. The project team was in regular telephone contact with HECO personnel during most of the project. Therefore, most requests for clarification or supplemental information were made verbally, with no written records. Copies of requests that were made in writing via email are attached as pages 2-6.
- b. HECO provided all of the information that the project team requested except for some older structure drawings that could not be located.

From: Andy Stewart [astewart@edmlink.com]  
Sent: Friday, April 18, 2003 5:02 PM  
To: Oshiro, Earlynne F. K.  
Subject: RE:

Thanks - Perfect, however, I need one more data point in order to figure the average OT per lineman - so could you tell me either how many people I should divide the total by, or the total base/straight time to which the OT would be added - so that I can estimate the average OT.

I hope you have a wonderful Easter.

Andy Stewart  
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-----Original Message-----

From: Oshiro, Earlynne F. K. [mailto:Eoshiro@hei.com]  
Sent: Thursday, April 17, 2003 11:08 PM  
To: Andy Stewart  
Cc: Wong, Kerstan  
Subject:

<<Overtime Hours.xls>>  
I hope this is what you were looking for.

Earlynne F. Oshiro  
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e-mail: eoshiro@hei.com

**From:** Andy Stewart [astewart@edmlink.com]  
**Sent:** Friday, December 27, 2002 9:35 AM  
**To:** Oshiro, Earlynne F. K.  
**Subject:** RE:

Hi Earlynne: Structure dimensions, configurations, etc. are critical to the LW investigation. Because the line construction drawings we have are reduced size and appear to be copies of copies we cannot read many of the critical dimensions. It would be helpful if we could get copies of the full-size drawings for the structures. We don't necessarily need full-size copies of the drawings (P&Ps) that we already have. But it would be very helpful if we could get the structure drawings. Thanks!

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-----Original Message-----

**From:** Oshiro, Earlynne F. K. [mailto:EOshiro@hei.com]  
**Sent:** Thursday, December 26, 2002 10:58 AM  
**To:** Andy Stewart  
**Subject:** RE:

I'm not quite sure what you're looking for. I believe the drawings I sent are all the drawings we have for the lines. Please describe what you're looking for and I can see what we have.

-----Original Message-----

**From:** Andy Stewart [mailto:astewart@edmlink.com]  
**Sent:** Tuesday, December 24, 2002 7:56 AM  
**To:** Oshiro, Earlynne F. K.  
**Subject:**

Hi Earlynne – Would it be possible to get a set of full size copies of the structure drawings for each of the structure types in the lines serving Koolau and Pukele when we come to Oahu? The construction drawings that we have do not have all of the necessary info. Thanks!

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**From:** Andy Stewart [astewart@edmlink.com]  
**Sent:** Monday, December 23, 2002 6:01 PM  
**To:** Earlynne Oshiro  
**Cc:** Kerstan Wong  
**Subject:** FW: Clarification on line info

Hi Earlynne – Here's the balance of the line info that we're seeking some clarification on. Attached is an updated spreadsheet. In addition to the previously sent questions/issues hear are some issues related to Waiau-Koolau lines 1&2.

- Questions/Issues related to #1
  - Structures – 1-14 - Please verify our understanding of the circuit configuration.
  - Structures – 1, 5, 15-18, 20, 23, 32c the structure type and/or drawing number is illegible.
  - Structure – 13 - we can't find any structure type or drawing info.
  - Structure – 2 Halawa – Please verify our understanding that this structure carries both line #1 and the Halawa School line.
  - Structures – 32A-32C - Please clarify whether the structures are supporting 1 or 2 circuits.
  - Structure – 33 – Does it currently exist?
  - Structures – 34-38 – Note that there are two sets of structures numbered 34-38 listed. Please clarify which structures are actually in line #1.
  - Structures – 55-56 – Please clarify whether there are two structures or only one.
  - Structures – 58-60 – Please clarify the actual construction. The copies of the drawings are somewhat illegible therefore it is difficult to determine the current structure configuration in this section of the line.
  - Structures – 75-82 - Please verify our understanding of the circuit configuration.
- Questions/Issues related to #2
  - Structure 1A – we can't find any structure type or drawing info.
  - Structures 1-14 – Please verify our understanding of the circuit configuration.
  - Structures 24-25 – Please clarify whether only one side of the double circuit structures is in use.
  - Structures 35A&B – Please verify our understanding of the circuit configuration.
  - Structure 35B – The drawing number is illegible.
  - Structure 35E - The drawing number is illegible.
  - Structures 61-63 – Please verify that the wood pole structures have been replaced by the steel pole structures.
  - Structure 63A - we can't find any structure type or drawing info.
  - Structures 65-67 - Please verify our understanding of the circuit configuration.

Thanks for your help. I hope you have a wonderful Christmas.

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-----Original Message-----

**From:** Andy Stewart [mailto:astewart@edmlink.com]  
**Sent:** Friday, December 20, 2002 2:59 PM  
**To:** Earlynne Oshiro  
**Cc:** Kerstan Wong  
**Subject:** FW: Clarification on line info

Hi Earlynne – Here's some more line info for clarification. Attached please find a spreadsheet with multiple pages

(a summary page and one page for each of the lines serving Koolau and Pukele subs). The format is very similar to what I sent to you yesterday for the Koolau-Halawa line. This spreadsheet is a work in progress – so at this point I'm only asking for your help in clarifying the issues related to the Koolau-Halawa line (sent yesterday and also included here) and the Koolau-Pukele lines 1&2. In need to finish some review on the other two lines in the spreadsheet so don't worry about those yet.

In addition to the questions/issues I sent yesterday here are some issues related to the Koolau-Pukele lines:

- The labeling on some of the documentation for Koolau-Pukele #1&2 lines seems to conflict, i.e. #2 on the large system map (blueprint) is labeled #1 on the smaller maps – please clarify which is the correct name.
- Questions/issues related to #1
  - Structure 1 – the drawing number is illegible.
  - Structures 1-11 - Is our understanding of the configurations (listed in the table) of the lines supported on these structures correct?
  - Structure 11 – Is this the structure at which the 46kV transitions to a separate structure?
  - Count 27, structure 5 – the drawing number is illegible.
  - We count a total of 41 structures on the maps while other documentation provided by HECO indicates that there are 42 structures.
- Questions/issues related to #2
  - Structures 1-10 – we can't find any drawing numbers.
  - Does the 46kV line transition to a separate structure at structure 6 or 10?
  - Does the 12kV line transition to a separate structure at structure 10?
  - Structure 13 supports only the 46kV line.
  - Count 27, structure 4 is a cable support only, i.e., there is no other structure.
  - Count 29, structure 6 – the structure description and drawing number is illegible.
  - Count 31, structure 8 – the drawing number is illegible.

More to come on Monday. Have a great weekend.

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-----Original Message-----

**From:** Andy Stewart [mailto:astewart@edmlink.com]  
**Sent:** Thursday, December 19, 2002 6:05 PM  
**To:** Earlynne Oshiro  
**Cc:** Kerstan Wong  
**Subject:** Clarification on line info

Earlynne:

Here is the first of the line tables. Basically it's a list of information compiled by George Gela related to each of the structures in the line (the "Descr." column is our own designation). The issues for which we are seeking clarification are highlighted in yellow. In some cases we think we know the answer but want to verify to play it safe. The cause for our questions is typically one of the following:

- We couldn't find certain information in the sets of drawings that were provided?
- An item on the copies of drawings that we have may be illegible.
- We're not sure how to interpret certain information in the drawings.

In the attached file you should find structures 1-2, 22A-26, 37, and 44 highlighted. Here are the issues/questions:

- 1-2 – we can't find any drawings (the only info I've been able to find related to these structures is on the system map – they appear to be wood.)
- 22A – we can't read all of the digits in the drawing # - the copy is not very clear
- 22A-26 – these appear to be double circuit structures – but we are not clear on whether a second circuit has been installed.
- 37 -- we need to know a little more about the relationship between the Koolau-Haiawa and Koolau-Waiiau#2 lines, e.g., do they cross? If not, how close do they get to each other?
- 44 – there does not appear to be a structure #44.

More to come tomorrow. Thanks for your help.

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