

Mon, Oct 23, 2023 3:25 PM

From: Beni Zihlmann

Hi Greg, Joe,

After talking to Rolf, I realized I had a miss understanding.

Indeed, Greg and Joe need to reach out to SLAC to ask for a date to transport. Seeing all the work that still needs to be done to make the transport boxes ready and taking into account Greg's teaching time. I propose to ask for a time of December 10th and get the Bars transported to JLAB before Christmas.

We can not wait till next year, we need to get this done before the end of this year which to me means early to mid December which seems doable.

So Greg, Joe, please go ahead and contact SLAC for a transport date in mid December.

sorry for my delays,

Beni

October 24, 2023 11:31 AM

From: Greg Kalicy

Hi Beni,

I can reach out to SLAC today in the evening to see if they are available week of December 10th. We need to make sure we are ready though and here are a few items to figure out:

1) Are DSG members responsible for finishing the wooden crates and if so are they aware of it? They are helping tremendously I have a feeling that there was no direct communication from Walt to them that this is their part of the project. What was in the past agreed with Patrizia was that they would help with the QA laser lab.

(a) once we have components, during the installation, 5 of 6 crates have to be moved out of EEL108 to give space. Once one is done, it would be marked and moved out for space for the next. If there is a crew on it, maybe they can do a crate per 1-2 days?

(b) that includes the installation of damping + gas connection system, padding, latches on the inner crate, and reinforcing the top of the inner basket to make sure it stays in shape (more nails might be sufficient.)

(c) we need to collect the 1200 lbs concrete blocks (photo below). We used 6 in 2018, we will need 12 this time. I dug out in emails that Keith Blackburn from HallD was going to check on their location but he stopped replying to a few of my emails... Matt mentioned they needed to be placed on a small customer palette to allow to move them with a forklift, otherwise, SLAC didn't want to touch them.

2) Will they also be helping with loading in SLAC? If we manage to schedule loading for December Matt and John from IU are not available. We will need at least two not-SLAC technicians who will be able to help with loading, moving boxes in the truck, and moving the concrete blocks, maintaining the compressed air system for damping.

I'm not sure if there are any extra safety regulations that have to be arranged for that.

3) The team that will go to SLAC has to be established early enough that they can get trained and get access to SLAC (that was not trivial and quick in 2018)

4) Once we have established a date with SLAC, someone has to travel there and assess the details, arrangement for the time during loading of where the trucks can be located, and state of all gantries, tools etc. - I can do it but it is a trip that has to be coordinated through JLab

Jochen, please add if I forgot anything.

Cheers,

Greg

October 24, 2023 12:30PM

From: Jochen (Joe) Schwiening

Hi Beni,

I fully agree with Greg. The goal to complete the bar box transfer before the holidays is an ambitious one and we will need your help in the next weeks, even more so than in the past months. Neither Greg nor I have access to the JLab budget or personnel planning and neither of us is familiar with the travel and safety paperwork at JLab. Your access, support, and experience with the processes will be crucial.

Identifying the JLab personnel who will travel to SLAC to support the loading and shipment is a high priority, as is making sure that they know what is expected of them and to get them trained. They need to be familiar with the crates and the work that is to be performed at SLAC. It's one thing to support the QA lab and the shipping crate modification, another to spend 10+ days traveling to SLAC and back. The technicians need to get clear information what their mandate and priority are.

I agree with Greg that the JLab team should include at least two technicians. I don't know if a final decision has been made yet, but one of them may need to drive back as part of the convoy in the chase/lead rental car. We may need to start the travel authorization paperwork for Greg and the technicians very soon, as well as the SLAC site access registration/badging paperwork, especially if one additional trip is needed for someone to visit SLAC in November to ensure that everything is ready.

Another important aspect is understanding what safety paperwork is required by JLab for the JLab team to perform the work at JLab and at SLAC. I expect that SLAC staff will perform all the lifting work to load the bar boxes into the crates and the crates into the trucks and that a JLab team will perform the loading of the concrete blocks and the unloading work when the trucks get back, that those are all fully trained and that we don't need to worry about these aspects.

Still, I can imagine that pushing these heavy crates around inside the confined space of the truck, as well as handling the compressed air system, unloading the bar boxes at JLab, etc may require safety plans for the JLab techs. Getting this documented and approved may take quite a bit of time, judging from the time it took to get the work plan approved at SLAC and from how long it is taking to get approval to switch on the laser at JLab.

Do any of these items sound like showstoppers to you, in terms of completing the shipment before the end of the year, or is this not as big a deal as it seems to me?

Thanks,
Joe

October 24, 2023 1:43PM

From: Beni Zihlmann

Hi Greg, Joe,

the procedure should follow the following steps:

- 1) get a fixed date with SLAC. This is the main starting point. Date is aimed to be week of Dec. 10th
- 2) once we have the date we can identify and assign names/techs who will travel to SLAC but we need the date first. without date nothing can start going through the chain of command. And all the necessary paper work can be initiated.
- 3) in the meantime the work to finish the boxes should proceed as fast as possible so that we are ready by December.

cheers,

Beni