

From: [Jenq, Sean](#)
To: [Stachler, Douglas/COL](#); [Montgomery, Leslie](#)
Cc: [Nikhil Khedekar](#); [Meet Shah](#); [Centers, Jason/CIN](#)
Subject: RE: Project 6A -- FRA-70-1373L Retaining Wall on South Side of Fwd Approach Slab
Date: Thursday, March 4, 2021 2:28:00 PM
Attachments: [image001.png](#)

Doug,

Sounds like a good plan. Please coordinate with Rii on the plan development effort and provide appropriate cross reference on the bridge plans to Wall7 and W7b. Please charge the effort to Task 2.3.H as proposed below and let me know if you have any questions. Thanks.

Sean

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From: Stachler, Douglas/COL [mailto:Douglas.Stachler@jacobs.com]

Sent: Thursday, March 4, 2021 10:39 AM

To: Jenq, Sean <sjenq@msconsultants.com>; Montgomery, Leslie <lmontgomery@msconsultants.com>

Cc: Nikhil Khedekar <nikhilk@resourceinternational.com>; Meet Shah <meets@resourceinternational.com>; Centers, Jason/CIN <Jason.Centers@jacobs.com>

Subject: Project 6A -- FRA-70-1373L Retaining Wall on South Side of Fwd Approach Slab

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Good Morning Sean & Leslie,

Nikhil and I spoke this morning as I wanted to coordinate with Rii on pay items, plan notes/specs, etc. for this additional MSE Wall that will run along the south side of the fwd approach slab for FRA-70-1373L.

Through our discussion of the details and necessary coordination, both Rii and Jacobs concluded and agreed that the simplest thing to do would be to add details of this additional MSE Wall to the plan sheets for Retaining Wall E7. I've attached a copy of the current E7 wall plans for your quick reference. We are going to update the plan and profile sheet for Wall E7 to show this new additional MSE Wall in the I-70 median. We are going to call-out this new MSE Wall as Wall E7b. Jacobs will provide the horizontal alignment info/location as well as the elevation info to Rii so it can be added to these plan sheets. It seems that this is simplest thing to do as all necessary notes, specification references, and pay items already exist with the MSE Wall plan package.

Jacobs can complete this task using the budget that we had allocated for Task 2.3.H Value Engineering & Constructability if agreeable by ms.

Sean -- regarding the questions that you included in your email last night (time stamped 3/3/21 8:53PM):

5. Can the MSE wall panels be used as stay-in-place form to retain the cellular concrete fill? (Resource and Jacobs) From my conversation with Nikhil as well as research that I did last night on the use of cellular concrete fill for MSE Wall embankment, my understanding is that the permanent MSE Wall panels will serve as stay-in-place forms to retain the cellular concrete slurry – basically the wall system will be constructed in same sequence as convention MSE Wall (w/ select granular), the cellular concrete will be placed in lifts as the MSE Wall panels and straps are installed from bottom to top.
6. Do you foresee any other constructability issues with the cellular concrete at that corner? (Resource and Jacobs) I don't see any constructability concerns with the corner/interface between the back of the bridge abutment and the new MSE Wall E7b. This should be no different from constructing this configuration using select granular backfill
7. Is there a need to provide drainage around the proposed turn-back MSE wall (back or front)? (Resource and Jacobs) The legend on the wall Plan and Elevation sheet (in attached PDF) indicates that there is a 6" DIA PERF CPP. I am assuming that is used to drain the cellular concrete fill. Since the new Wall E7b will mid-height for the zone of fill all water in the backfill will continue to drain downward through the cellular concrete fill and towards the overall drainage system for the wall backfill. I don't think it is necessary to add another drain pipe at the leveling pad elevation for this Wall E7b.

Please reply back to this email and confirm that ms is agreeable with this approach, or give me a call if you want to further discuss this. If you are good with this plan, then we will coordinate directly with Rii's wall design team to ensure the necessary details get added to the plan set.

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