



Bridge Factors Factual Report Attachment 25 – Email from Mr. Dwight Dempsey of FIGG to Mr. Rodrigo Isaza of MCM dated March 13, 2018 at 9:45 a.m.

Miami, FL

HWY18MH009

(3 pages)

Dempsey, Dwight

From: Dempsey, Dwight
Sent: Tuesday, March 13, 2018 9:45 AM
To: Rodrigo Isaza; Feliciano, Manuel
Cc: Hango, Erika N.; Ernie Hernandez; Pedro Cortes; Pate, Denney; Figg, Linda; Hines, Franklin; Leon, Eddy D.; Phipps, Alan; DeHaven, Tom
Subject: Re: FIU-UCPP - Stage 3 - Erection of Main Span

Rodrigo,

As you and I just discussed, Figg is evaluating this situation as a top priority and will be making recommendations as a result of this evaluation. As of right now, we do not see this as a safety issue but we do recommend that MCM place plastic shims (same as currently being used) underneath the Type 2 diaphragm at the centerline of bridge (this is a 2'-10.5" x 21" area). The shim stack height should be sized to bear against both the top of lower pylon and the bottom of the type 2 diaphragm. Below is a list of facts and other coordination items from our discussion;

1. MCM observed cracks in the Type 2 diaphragm on Saturday afternoon after the SPMT were driven back to the staging area and before the temporary pt bars were destressed. It was noted that Figg Inspection of the main span in this area after the bridge move did not observe this behavior. It is not clear as to when this behavior occurred.
2. MCM has destressed the temporary PT bars in the main span.
3. Since Saturday afternoon, MCM has been monitoring the cracks and they have not grown in size.
4. This behavior is only being observed on the north face of the type 2 diaphragm. It is not seen on the south face. MCM to send Figg pictures of the south face of the Type 2 diaphragm and label pictures.
5. MCM will take pictures of the bottom face of the Type 2 diaphragm from both north face (east and west side), south face (east and west side) and east and west face. These pictures are to show the condition of the bottom face and also show the location of the shim stacks to the diaphragm.
6. **MCM is to place plastic shims under the Type 2 diaphragm/vertical strut. This is a 2'-10.5" x 21" area to be shimmed. Shims to be placed tight against the top of lower pylon and bottom of type 2 diaphragm. No jacking of bridge is required. These shims need to be placed right away.**

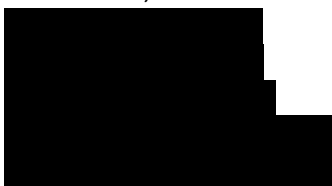
Figg will be back in contact with MCM to give updates and recommendations from evaluations.

If you have any questions, please call my mobile.

Dwight

Sent via mobile device

Dwight D. Dempsey, P.E., S.E.
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Southeastern Regional Office
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424 N. Calhoun St.
Tallahassee, FL 32301



On Tue, Mar 6, 2018 at 6:25 PM -0500, "Rodrigo Isaza" [REDACTED] wrote:

Manuel,

As we move into stage 3 with the erection on the main span, please confirm if the following items are to be performed immediately after the span has been erected. Otherwise, please advise if there is a specified time frame for these to occur.

- Truss member 2 & 11: Distressed (nuts to be left in place hand tied) and ducts to be grouted
- Stress pylon vertical PT bars and grout
- Grout space between precast section diaphragm and pylon base.

In addition to the above, please advise if there are other tasks required within this stage.

Thank you

RODRIGO ISAZA | Sr. Project Manager [REDACTED]

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