

August 21, 2014

Jennifer M.V. Fitch, P.E.
Project Manager
Vermont Agency of Transportation
1 National Life Drive
Montpelier, VT 05633

Project Name: Brookfield BRF FLBR(2)
Structure Identification: VT 65 Bridge #2 over Sunset Lake

RE: Item 900.645, "Special Provision (Fiber Reinforced Polymer pontoons)"
NCR 8 – Pontoon Hull 3 Wrinkles

Ms. Fitch –

We understand that during inspection of the hull of Pontoon 3, several wrinkles were discovered with the ridge on the bag side of the part and resin rich areas on the mold side. The wrinkles have a rise of approximately $\frac{3}{16}$ " max, width of approximately $\frac{3}{4}$ " max, and variable lengths.

T.Y. Lin International has reviewed Kenway's documentation dated August 20, 2014 and finds the repair solution to be acceptable based on the following:

- Approximately half of the initial laminate thickness will remain intact after grinding, across the repaired area;
- The repair procedure is in general accordance with accordance with repair procedures submitted by Kenway with their QAQC manual and subsequently approved. Proud regions to be ground only need to be ground sufficiently to meet ASTM D2563 requirements.

Note that, at the time of this letter, the subject pontoon hull is currently rejected and Kenway should be reminded that repairs performed on this hull are at their own risk.

Please feel free to contact me with any additional questions or clarifications.

Sincerely,



Josh Olund, P.E.
Design Engineer

cc: Resident Engineer – Sandra Schmitt
 File

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