CLOUGH HARBOUR & ASSOCIATES LLP

Memorandum

To: Wayne Symonds (VTrans)

CC: Peter Perkins (CHA), Dale Gozalkowski (CHA)

From: David D'Amato (CHA)

Date: 4/26/2010

Re: Montpelier Taylor Street Bridge Rehabilitation, BHF 6400(31) Construction Inspection Findings

The following is a listing of additional steel repairs to the Taylor Street Bridge corresponding to Contract Plan Sht. 31A. Repair recommendations are the result of an April 23, 2010 field visit and construction inspection findings compiled by the Resident Engineer. All additional steel required for the listed repairs shall be paid under Item 506.60 Structural Steel (LB).

Gusset and Splice Plates - East Truss

1. Node L2, Inboard/Outboard: Local section loss to 100%. **Recommend replacement.**

    - **2-PL⅜"x15"x3'-0", approximate weight = 120 LB (Mark G22) (FCM)**

2. S1: Heavy scaling and local section loss to approximately 40%. **Recommend replacement.**

    - **2-PL⅜"x12"x2'-0 ¼", approximate weight = 65 LB (Mark G32) (FCM)**
    - **2-PL⅜"x14"x2'-6", approximate weight = 90 LB (Mark G31) (FCM)**
    - **2-PL⅜"x12"x2'-6", approximate weight = 80 LB (Mark G30) (FCM)**
    - **2-PL3/16"x12"x1'-4¼", approximate weight = 21 LB (Mark F10)**

3. Node L3, Inboard: Heavy scaling and local section loss to approximately 40%. Local knife edging and perforation adjacent to Member U11L3. **Recommend replacement.**

    - **1-PL⅜"x42"x4'-3 ½", approximate weight = 230 LB (Mark G23) (FCM)**

4. Node L3, Outboard: Heavy scaling. **Recommend replacement.**

    - **1-PL⅜"x42"x4'-3 ½", approximate weight = 230 LB (Mark G23) (FCM)**