

Brattleboro AC IM 091-1(50)

Request for Design Change

To: Phillip Kendall
TY Lin International

Request #: *108*
Date: 02-22-2012
Job: Brattleboro Bridge 5N
Phone: 603-934-5236

CC: Joshua Olund, TY Lin
Drawing: ZB-100-BR6-406, 451
Cost Impact: N/A

Spec Section: N/A
Schedule Impact: N/A

Request:

Due to the conduit supplier's requirements and variable girder depths, the conduit hangers should be suspended underneath the support points, and supports should be no greater than 10' o.c. We request the following changes to the structural steel:

- 1) Relocate all utility supports U1 to the top of the girders, in line with the top chords of the diaphragms.
- 2) Add (1 ea.) utility support with connection plates at the North end of the bridge, where there is currently a 14' spacing between diaphragms.
- 3) Pre-drill (2 ea.) holes to accommodate a 3/4" threaded rod in each utility support, and top chord of all diaphragms in the third bay. Holes will be laid out per approved shop drawings for the utility hangers. Hangers will be centered in the bay.
- 4) At (4) diaphragms, the bottom chord will be field drilled to match the top chord, accommodating the anchor point hangers at conduit expansion joints.

Requested by: Christoph Schroeder, Beck and Bellucci, Inc.

Response By: Josh Olund

Is request acceptable, or are there any constraints:

The design change request is reasonable and acceptable.

How does change impact the design:

The change does not impact the structural performance of the design

Review(s) required or requested: Not needed.

Signature of Engineer Responding:

[Signature] 2/29/12

Signature of Design Manager:

[Signature] 2/29/12

QC acceptance signature or comments: N/A

[Signature] 3/21/12

QA acceptance signature or comments:

VTrans acceptance or comments: