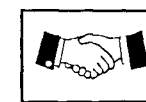


AGENCY OF TRANSPORTATION  
ENGINEERING  
CONSULTANT MANAGEMENT



**TO:** Jim Hoag, Regional Construction Engineer  
**FROM:** Larry Wheeler, Project Supervisor, Consultant Management  
**DATE:** August 29, 1996  
**SUBJECT:** Springfield BRS-RS 0113(8)

On August 26, 1996, at the Pre-Construction Conference for the referenced project, the issue of the correct number of Shear Connectors (Item 508.15) was discussed. Upon further investigation it is our belief that Winterset bid on the number of 1688 Shear Connectors at the lump sum cost of \$3200. This number should have been 2688. The Shear Connector/Cost ratio bid by Winterset for this item was \$1.90 per Shear Connector (\$3200 ÷ 1688). Prorating this cost for an additional 1000 Shear Connectors (2688-1688) entitles Winterset to an additional \$1900 for this item.

Additionally, three sheets in the plans need to be revised to depict this change as follows:

**Sheet #4 of 90 (Quantity Sheet):**

Change the (1688 x 7/8" dia. x 7" long) to (2688 x 7/8" dia. x 7" long) under Item 508.15, Shear Connectors.

**Sheet #30 of 90 (Bridge Quantity Sheet):**

The same as above.

**Sheet #40 of 90 (Framing Plan and Girder Elevation Sheet):**

The number of Shear Connectors, in the Table of Cross Frame Spacing, should be 384 for every girder (G1-G7). Originally this was 192 per girder and 192 doubled is 384, not 284; 384 Shear Connectors per girder times 7 girders equals 2688, not the 1688 which Winterset bid on.

By copy of this memo I request that McFarland-Johnson make these three minor revisions and send me a print of each revised sheet so that I can make prints for distribution.

I hope this will help you in resolving this issue. If I may be of further service at this time, please give me a call at (802) 828-3875.

LFW:mb

cc: Rick Woidt, McFarland-Johnson, Inc.  
Sherward Farnsworth, Consultant Management  
Roger Whitcomb, Structures Section

bcc: Central Files  
Chrono  
P.Files via CSK

