

# EXPECTED IMPLEMENTATION JULY 2017

## **502 SHEAR CONNECTORS.** **(REV 7-8-16) (FA 10-5-16) (7-17)**

SUBARTICLE 502-6.5 is deleted and the following substituted:

### **502-6.5 Number of Test Specimens:**

1. Weld 30 test specimens consecutively, with time held constant at optimum but with current 10% below optimum.
2. Weld 30 test specimens consecutively, with time held constant at optimum but with current 10% above optimum.

SUBARTICLE 502-6.6 is deleted and the following substituted:

### **502-6.6 Qualification Tests:**

**502-6.6.1 Tensile Tests:** Subject 10 of the specimens welded in accordance with 502-6.5(1), 10 in accordance with 502-6.5(2) to a tensile test. The Engineer will consider a stud qualified if all test specimens have a tensile strength above the minimum specified in 502-3.2.

**502-6.6.2 Bend Tests:** Place 20 of the specimens welded in accordance with 502-6.5(1), 20 in accordance with 502-6.5(2) in a bend testing device, and bend alternately 30 degrees in opposite directions until failure occurs. The Engineer will consider a stud qualified if, on all test specimens, fracture occurs in the shank of the stud and not in the weld.