SPP02510

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project but make necessary modifications to only include project specific specifications. Delete specifications that do not apply to the project. Remove all instructions before preparing the final document.)

# SECTION 02510 - Reinforcement

Comply with Section 02510 of the Standard Construction Specifications modified as follows:

**02510.10 Deformed Bar Reinforcement -** Replace this subsection, except for the subsection number and title, with the following:

Furnish deformed bar reinforcement from the CPL and conforming to the requirements of ASTM A706, AASHTO M31 (ASTM A615), AASHTO M334, or ASTM A1035. Unless otherwise specified or shown, all reinforcing bars shall be Grade 60.

**02510.20 Mechanical Splices** - Replace this subsection, except for the subsection number and title, with the following:

Furnish mechanical splices from the CPL. Where bars of different sizes or strengths are connected, the governing strength shall be the strength of the smaller or weaker bar.

* Type 1 Mechanical Splices - Furnish Type 1 Mechanical Splices that develop at least 125 percent of the specified minimum yield strength of the reinforcing bars. Type 1 Mechanical Splices are not allowed for column bars.

Type 2 Mechanical Splices - Furnish Type 2 Mechanical Splices that develop at least 125 percent of the specified minimum yield strength of the reinforcing bars and 100 percent of the specified tensile strength of the reinforcing bars.

Total slip displacement - Measure displacement after loading in tension to 30.0 ksi and relaxing to 3.0 ksi. The displacement for bars up to No. 14 shall not exceed 0.01 inches. The displacement for No. 18 bar shall not exceed 0.03 inches.

**02510.25 Headed Bar Reinforcement** - Replace this subsection, except for the subsection number and title, with the following:

Furnish Class HA headed steel bar from the CPL for concrete reinforcement. The headed steel bar shall develop the specified minimum tensile strength of the reinforcing bars, according to ASTM A970. Ferrous-filler coupling sleeves and welded headed steel bars are not allowed for concrete reinforcement.