

SECTION 602 - REINFORCING STEEL

Make the following amendments to said Section:

(I) Amend **Subsection 602.02 Materials** by adding the following at line 10:

"Glass Fiber Reinforced Polymer Rebar 670"

(II) Amend **Subsection 602.03(D) Placing and Fastening** by revising the first sentence of the first paragraph between lines 58 and 60 to read as follows:

"Unless otherwise indicated in the contract documents, place and fasten reinforcing steel in accordance with the CRSI Placing Reinforcing Bars and the CRSI *Manual of Standard Practice*."

(III) Amend **Subsection 602.03(D) Placing and Fastening** by amending the last sentence of paragraph three at line 79 and 80 to read as follows:

"All plastic bar supports will be allowed only in prestressed concrete members and for vertical positions in drilled shafts."

(IV) Amend **Subsection 602.03(E)(2) Lapped Splices** by adding the following sentence and Table 602.03-4 to the first paragraph at line 239:

"The lengths of lapped splices shall conform to Table 602.03-4."

TABLE 602.03-4 - LENGTHS OF LAPPED SPLICES

BAR SIZE	$f'_c = 3000$ PSI	$f'_c = 4000$ PSI	$f'_c = 4500$ PSI	$f'_c = 6000$ PSI	$f'_c = 9000$ PSI
#3	16	16	16	16	16
#4	21	21	21	21	21
#5	26	26	26	26	26
#6	33	31	31	31	31
#7	45	39	36	36	36
#8	59	51	49	42	41
#9	74	64	62	52	46
#10	94	81	79	67	54
#11	115	100	97	82	67

NOTES:

- Lengths shown in inches.
- Top bars are horizontal or nearly horizontal reinforcement, so placed that more than 12.0 in. of fresh concrete is cast below the reinforcement. The lengths of lapped splices above shall be multiplied by 1.4 for top bars.

(V) Amend **Subsection 602.03(E)(3) Butt-Joined Splices** by replacing the last sentence of the first paragraph between lines 262 and 263 with the following sentence:

“Completed butt splices shall develop not less than the specified tensile strength of the unspliced bars.”

(VI) Amend **Subsection 602.03(E)(3)(b)1. General** by deleting the words “of 125 percent of specified yield strength” in subparagraph d. at lines 443 and 444.

(VII) Amend **Subsection 602.04 Measurement** to read as follows:

“602.04 Measurement. The quantity to be paid for reinforcing steel is the quantity shown in the proposal schedule. The contract quantity will be adjusted for authorized changes that affect the quantity or for errors made in computing this quantity. If there is evidence that a quantity specified as a contract quantity is incorrect, submit calculations, drawings, or other evidence indicating why the quantity is in error and request, in writing, that the quantity be adjusted.”

(VIII) Amend **Subsection 602.05 Payment** to read as follows:

“602.05 Payment. The Engineer will pay for the accepted reinforcing steel at the contract unit price per pay unit, as shown in the proposal schedule. Payment will be full compensation for the work prescribed in this section and the contract documents.

The Engineer will pay for the following pay items when included in the proposal schedule:

Pay Item	Pay Unit
Reinforcing Steel in _____	Pounds

The Engineer will not pay for clips, wire, or other material used for fastening reinforcement in place separately and will consider the cost for clips, wire, or other material used for fastening reinforcement in place as included in the contract price of the various contract pay items. The cost is for the work prescribed in this section and the contract documents.

The Engineer will not pay for welded wire reinforcement or bar mat reinforcement separately and will consider the cost for welded wire fabric or bar mat reinforcement as included in the contract price of the various contract pay items. The cost is for the work prescribed in this section and the contract documents.

END OF SECTION 602