

9320300 NONMETALLIC ACCESSORY MATERIALS FOR CONCRETE PAVEMENT AND
CONCRETE STRUCTURES
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (6-4-21)

Consider reordering the first two lines in Table 932-6 based on nominal diameter, and clarifying the footnote for distinguishing “large tow grade carbon fiber (257 ksi)” to something more generic, since this is not an industry standard term.

Response:

Agreed. Changes made to the order of the first two lines in Table 932-6. Footnote deleted in preference to adding generic classes of CFRP reinforcing in the column headings by distinguishing CFRP Bars as (Class I) and CFRP Wire/Strand as (Class II).

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Comments: (6-10-21)

Table 932-6 (sizes and tensile loads for FRP reinforcing bars): For the #10 bar, the maximum cross-sectional area is listed as 1.385 in² - which matches the ASTM standard, D7957. This is fine for a tensile modulus limit of 6500 ksi, as also listed in your standard (and again, matching the ASTM). However, it is known that FDOT are promoting the use of higher modulus rebars in their construction. It is considered unlikely that a bar with this cross-section would achieve the higher modulus requirements. This is currently also under review within the ASTM committee. To achieve the higher modulus (8700 ksi), it appears that 1.473 in² will be required, and this number has been put forward at ASTM.

Response: The comment is acknowledged and will be addressed in a future revision when agreement in the ASTM committee is achieved and higher tensile modulus limits are added to the FDOT 932-3 Specification.