

Pav Item

<u>Item No.</u>	<u>Item</u>	<u>Unit</u>
26	REMOVAL OF CONCRETE WALKS & DRIVES	SQ YD.

FIBER-REINFORCED PORTLAND CEMENT CONCRETE DRIVEWAYS & SIDEWALKS

This item covers the furnishing of all materials and installation of PCC driveway and sidewalk pavements for thickness as shown.

Mix for 1 C.Y. of Fiber-Reinforced Concrete – Sidewalks & Driveways

28-day strength	4000 psi
Cement (ASTM C-150, Type I/II)	4.64 sacks (436 lbs.)
Fly Ash (ASTM C-618)	1.16 sacks(109 lbs.)
Gravel (ASTM C-33, Grade A)	1775 lbs.
Sand (ASTM C-33)	1226 lbs.
Water (potable)	30 gallons (250 lbs.)
Type A Water Reducer (ASTM C-494)	16.35 lbs.
Air entrainment specifications	5% by volume, use per manufacturers specifications
Fiber reinforcement	1.5 lbs/ CY microfibers, as specified below

Fiber reinforcement for all concrete pavements shall be Matrix Monofilament Microfiber as manufactured by FRC Industries or approved equal, applied throughout the concrete mixture. Alternate products must be preapproved by the City Engineer in writing. Cellulose (treated or untreated), AR glass, nylon, and polyester fibers are specifically prohibited from use. Fibrillated and self-fibrillating fibers are also specifically prohibited.

Fiber reinforcement shall be applied **at the plant**. The bags must be broken before mixing. Bag size shall be one (1) pound.

Exposed aggregate sidewalk shall be reinforced with 6x6 welded wire fabric, supported such that it is mid-depth in the finished slab. Cost of exposed aggregate sidewalk shall include furnishing and placing solid brick pavers as sold by St. Joe Brick Works, Inc. or approved equal. Color of brick and exposed aggregate surface shall match existing sidewalk, if applicable.