

PRESCOTT FIRE DEPARTMENT

FIRE LANE CONSTRUCTION GUIDELINES

Option #1

Eight (8) inches of compacted ABC or compacted decomposed granite over a prepared subgrade, with retainer curbs may be used. Subgrade shall be compacted to 95% density. ABC should be placed and compacted in two (2) lifts of four (4) inches each, to 95% density. Retainer curbs shall be four (4) inches wide by eight (8) inches deep, using 2,500 PSI concrete. Top of curb shall be at finished grade. After installation a compaction test will be required at random locations every 50 feet. A compaction report shall be provided to the fire department prior to final approval.

NOTE: This option may be used at industrial sites only.

Option #2

“Grasscrete,” either cast-in-place or precast units a minimum of four (4) inches thick with retainer curbs may be used. “Grasscrete” shall be placed over a prepared subgrade and four (4) inches of compacted ABC (95% density). Standard concrete blocks will not be considered a substitute for “Grasscrete” modules. Retainer curbs shall be four (4) inches wide by eight (8) inches deep, using 2,500 PSI concrete. Top of curb shall be at finished grade.

Option #3

Two (2) inches of asphaltic concrete (C-3/4 mi) over six (6) inches of compacted ABC on a prepared subgrade may be used. ABC and subgrade to be compacted to 95% density. Asphaltic concrete shall have thickened edges per Y.A.G. Detail 201 Type A. Retainer curbs may be used in lieu of the thickened asphaltic edge treatment.

Option #4

Alternative methods may be used with *prior approval* of the Fire Chief. Design of the fire lane shall be by a civil engineer, registered in the State of Arizona. All width and weight requirements as noted shall be met along with delineation of fire lane from other areas of the project.

NOTE: The above options are recommended as minimums to assure all-weather access for fire equipment on a limited use basis. Design gross vehicle weight is 75,000 pounds.

**NOTE: MINIMUM WIDTH OF THE DRIVEABLE SURFACE IS 20 FEET FOR ALL OPTIONS.
PLANS SHALL BE SUBMITTED AND APPROVED *PRIOR* TO INSTALLATION.**



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