

### Pavement Design Assumptions

Pavement shall be designed as specified in SCDOT Pavement Design Guidelines (July, 2008) and Guidelines for Asphalt Mixture Selection (September, 2020). The RFP pavement designs are developed based on the below input parameters for non-interstate routes.

Road Name	AADT	GF (%)	Truck (%)	SSV	Functional Class	Road Group
Community Road	16700	2.2	5.00	1.5	Urban - Major Collector	K
Connector Rd	14900	2.2	5.00	1.5	Urban - Major Collector	K
Connector Rd Ramps	10000	1.5	9.00	1.5	Ramps/Loops	O
US 21	17900	1.5	5.00	1.5	Urban - Major Collector	K
US 21 Ramps	8700	1.5	9.00	1.5	Ramps/Loops	O
Blythewood Road	22300	1.5	4.82	1.5	Urban - Major Collector	K
Blythewood Road Ramps	9400	1.5	9.00	1.5	Ramps/Loops	O
Farrow Road	15300	1.5	3.96	1.5	Urban - Major Collector	K

Modulus of Subgrade reaction (k) = 500 pci