

TYPICAL SECTION DESIGN DATA

CURRENT ADT	=10,716
DESIGN ADT	=14,720
PERFORMANCE PERIOD (years)	=20
18-kip ESALS	=3,279,325
PCC MODULUS OF RUPTURE (psi)	=600
k Values (psi/in)	=210
CALCULATED THICKNESS (inches)	=9.63
THICKNESS PROVIDED (inches)	=10

Figure 8-13: Rigid Structural Design

TYPICAL SECTION DESIGN DATA

CURRENT ADT	=1,400
DESIGN ADT	=2,100
PERFORMANCE PERIOD (years)	= 20
18-kip ESALS	= 440,773
SOIL RESILIENT MODULUS (psi)	= 8,413
STRUCTURAL NUMBER REQUIRED (inches)	= 2.76
STRUCTURAL NUMBER PROVIDED (inches per layer)	
1- SUPERPAVE AC Wearing Course (LEVEL 1)	= 0.88
2- SUPERPAVE AC BINDER COURSE (LEVEL 1)	= 0.88
3- CLASS II BASE COURSE	= 1.07
STRUCTURAL NUMBER PROVIDED (total inches)	= 2.83

Figure 8-14: Flexible Structural Design