

## Traffic Analysis 20 Morgan Road

### 16 Single Family Residences

Table 1: Morgan Road Generated Traffic

Time Period	Trip Gen. Rate	Vehicle Trips	Entering	Exiting
Weekday	$\ln(T) = 0.87 \ln(X) + 2.46$	196	98	98
AM Peak Hour	$\ln(T) = 0.87 \ln(X) + 0.26$	21	7	14
PM Peak Hour	$\ln(T) = 0.87 \ln(X) + 0.32$	21	17.5	3.5

Estimated generated traffic is determined using the “Residential” land use from the Institute of Transportation Engineers (ITE) Trip Generation Manual, 9<sup>th</sup> Edition. According to the manual, the 16 family residences generate approximately 21 trips during AM Peak hour and the same at the PM Peak hour.

Table 1: 20 Morgan Road PUD

Time Period	Trip Gen. Rate	Vehicle Trips	Entering	Exiting
Weekday	$\ln(T) = 0.87 \ln(X) + 2.46$	56	28	28
AM Peak Hour	$\ln(T) = 0.87 \ln(X) + 0.26$	6	2	4
PM Peak Hour	$\ln(T) = 0.87 \ln(X) + 0.32$	6	5	1

The proposed PUD project at 20 Morgan Road will generate approximately 6 trips during the AM Peak hour and the same at the PM Peak hour.

The increase in average daily trip ends does not exceed fifty percent (50%) of existing traffic on Morgan Road, based on the estimations in the most recent ITETGM as calculated above.