

## Tidal Wave Auto Spa

### I. Trip Generation:

ITE Trip Generation Manual (10<sup>th</sup> Edition) was used to determine the project trips to be generated by the proposed development. Land Use Code 948 (Automated Car Wash) was used in the analysis. The total estimated new external peak hour project trips using all the different variables provided in the ITE Trip Generation Manual are show below:

Project Trip Generation						
Time Period	Variable	Size	Equation/Rate	Total	Enter	Exit
Weekday, Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 pm	1000 square feet	3.40	No Equation/14.20	48	24 (50%)	24 (50%)
Weekday, PM Peak Hour of Generator	“	“	No Equation/11.66	40	20 (50%)	20 (50%)
Saturday, Peak Hour of Generator	“	“	No Equation/30.40	103	52 (50%)	51 (50%)
Weekday, Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 pm	Car Wash Tunnels	1	No Equation/77.5	78	39 (50%)	39 (50%)
Saturday, Peak Hour of Generator	“	“	No Equation/41.0	41	19 (46%)	22 (54%)

**Note: The highlighted trip generation variable and data would probably be the preferred one by most state and local agencies.**