

**Table 3.1 Southborough Gas Station Convenience Store
ITE Trip Generation Calculations**

EXISTING

Land Use	Convenience Store/Gas Station					
Time Period	Vehicle Fueling Positions	Trip Generation Rate per Vehicle Fueling position	Trips Generated	Distribution Entering / Exiting	Enter	Exit
AM Weekday Peak Hour (Street)	18	31.60	569	50% / 50%	285	284
PM Weekday Peak Hour (Street)	18	26.90	484	50% / 50%	242	242
AM Weekday Peak Hour (Generator)	18	31.31	564	50% / 50%	282	282
PM Weekday Peak Hour (Generator)	18	28.03	505	50% / 50%	253	252
Saturday Peak Hour	18	29.77	536	50% / 50%	268	268

PROPOSED

Land Use	Convenience Store/Gas Station					
Time Period	Vehicle Fueling Positions	Trip Generation Rate per Vehicle Fueling position	Trips Generated	Distribution Entering / Exiting	Enter	Exit
AM Weekday Peak Hour (Street)	21	31.60	664	50% / 50%	332	332
PM Weekday Peak Hour (Street)	21	26.90	565	50% / 50%	283	282
AM Weekday Peak Hour (Generator)	21	31.31	658	50% / 50%	329	329
PM Weekday Peak Hour (Generator)	21	28.03	589	50% / 50%	295	294
Saturday Peak Hour	21	29.77	625	50% / 50%	313	312

NET NEW TRIPS

Time Period			Trips Generated	Distribution Entering / Exiting	Enter	Exit
AM Weekday Peak Hour (Street)			95	50% / 50%	48	47
PM Weekday Peak Hour (Street)			81	50% / 50%	41	40
AM Weekday Peak Hour (Generator)			94	51% / 49%	48	46
PM Weekday Peak Hour (Generator)			84	50% / 50%	42	42
Saturday Peak Hour			89	50% / 50%	45	44