

INPUT	PROCESS	OUTPUT
<p>Inductive Loop Detector (Simulated)</p> <ul style="list-style-type: none"> - Detects cars passing over the inductive loop and produces a certain signal that the system detects that signifies that a car just passed over 	<p>Amount-of-car-dependent countdown timer</p> <ul style="list-style-type: none"> - When a certain number of cars that the input detects meets the threshold the original time will be replaced by a quicker time to give way to other lanes 	<p>Stoplight</p> <ul style="list-style-type: none"> - Outputs the corresponding signal depending on the processed data of the input.