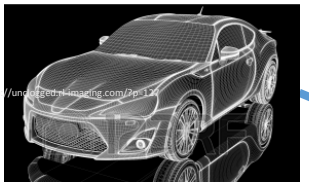
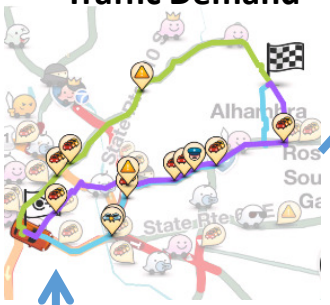
Feasibility Study of Dynamic Wireless Charging in Traffic Simulation

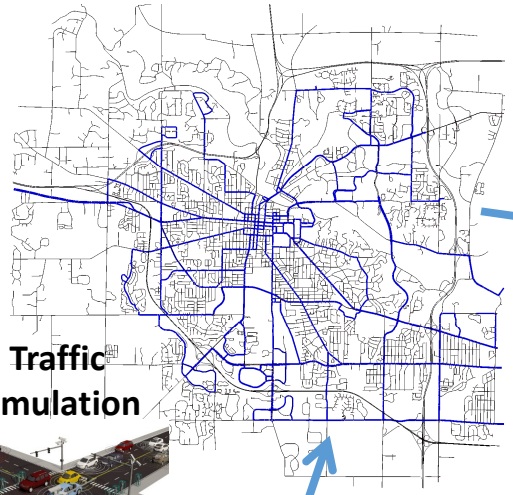
Vehicle Model



Traffic Demand



MDOT Department of Transportation



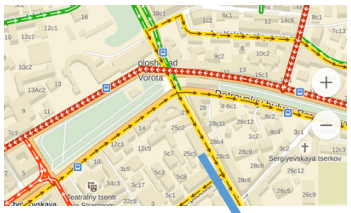
Traffic Simulation

Objectives

Estimate :

- Energy received thru D-WPT system
- Actual miles driven with D-WPT
- Wasted energy during idling

Objective-Statistics & Best D-WPT Deployment Scenario



Dashboard for case design

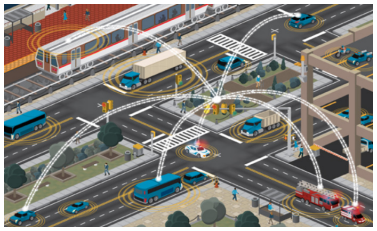
Car Sharing

(Image from Urban ABQ)

Autonomous Driving

(Image from Stanford News)

Connected Vehicle



(Image from Insurance Journal)

Smart City

(Image from Network World)