Seattle Parking System

Concept Development Project for an intelligent, real-time aware parking system that detects open parking spaces as they become available in (near) real-time and updates a system that can alert drivers en route to the nearest parking relative to their destination or, by cost, etc.

Sensor Driven System

One method to accomplish this might be to create small low cost photo sensors, and cross that with time-of-day and weather models to detect a change in the light levels at the parking location and thereby signaling change in availability.

Piezio-Electric Vibrational Sensor

This might be a possibility – would have to look into it.

Camera Network

Plug video data into a neural-net to find/identify movement. This has the advantage of not needing to perform road-work for installation and, a camera on a building or street light can cover many parking locations where with a sensor, you would need one in each parking space.