INNOVATION IN OPERATION®

Access Control Equipment

City of Birmingham, Michigan

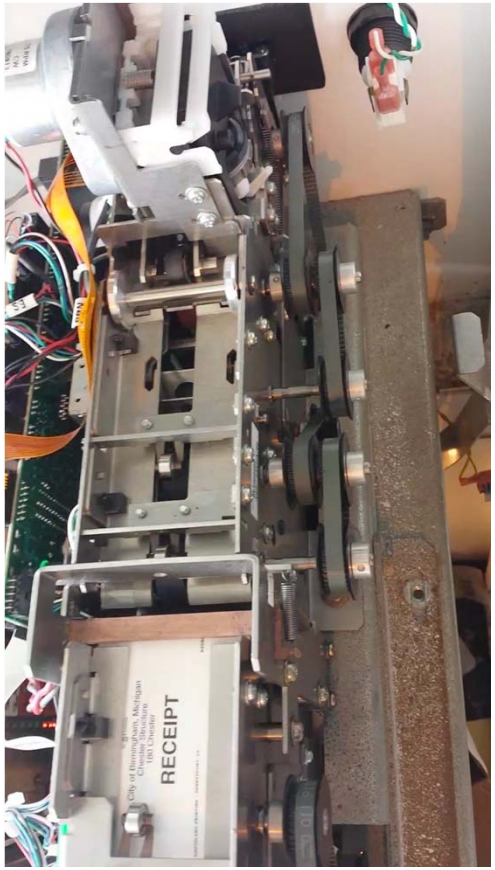
1.5.15

Current System – Birmingham Parking Decks

- Maintenance costs increasing at a high rate –
  2013: $ 55,417
  2014: $159,848

- Aging machines – 7 year expected life span. Some currently 12 years old

- Magnetic strip tickets – High repair costs to mechanism. Tickets easily damaged making them unable to read. Yearly ticket cost $25,000



New Alternatives in Parking Access Control Systems

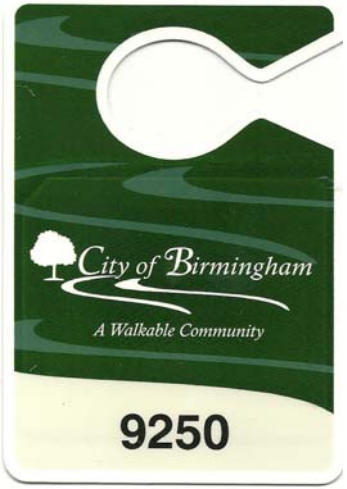
- License Plate Recognition (LPR) – Uses time stamped picture of license plate in place of tickets

- Bar code or QR code tickets

- Near Field Comminication (NFC) – Use of a smart device for ticket and payment

New Alternatives in Parking Access Control Systems

- Radio Frequency Identification (RFID) – Uses a radio frequency generator and reader such as a connected car or access card



- On-line payment platforms – Print ticket to phone or paper at home for access and payment, e.g. Parkmobile

New Access System Benefits

- Reduce maintenance costs – New system under warranty for one year minimum. Less moving parts to break down.

- Open systems – Built with the customer in mind. Provide more options to increase customer satisfaction and ease of use. Adaptable to changing technology.

- Reduce operating costs – Alternative options to tickets to reduce usage. Thermal printing to remove the need for ribbons.

- Increase revenues – Fewer unreadable tickets. Ability to post a fee remotely for unreadable or lost tickets so customers can still pay.