# Creation of a Market for On-Street Residential Parking

Making Boston a More Livable and Attractive City

IBTTA Summit on AET, Managed Lanes & Interoperability

Yousef Al Sharif and Sara Rauwolf

July 26, 2016



"How can intelligent mobility solutions involving user-financing help give the next generation of Bostonians a more livable and attractive city?"



#### Residential Parking in Boston Today

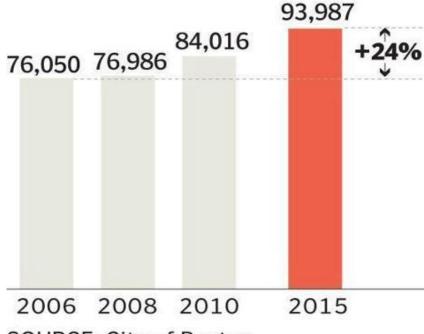




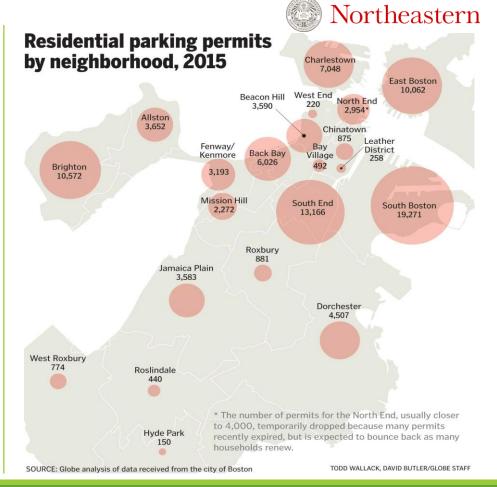


**No limit** on the number of residential parking permits Curbside parking is a **scarce resource** 

## Boston residential parking permits



SOURCE: City of Boston





### Flaws in the Current System





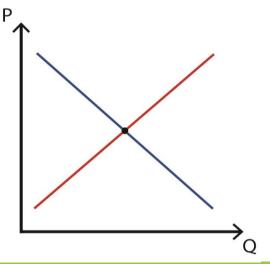


#### Solution: A Market for On-Street Residential Parking

#### Goal: make best use of available space

Priority goes to households with one car and no off-street

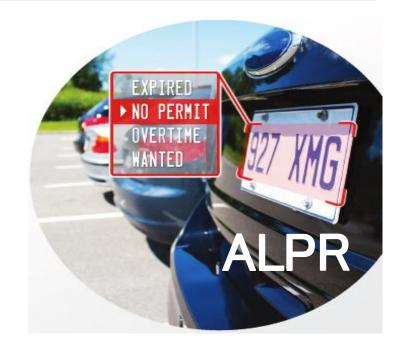
parking





#### Technology is Key







#### Example of Demand-Responsive Pricing Zones

ZONE	PPM (1 <sup>st</sup> PERMIT)	PPM (2 <sup>nd</sup> PERMIT)	PPM (3 <sup>rd</sup> PERMIT)
Α	\$100	\$120	\$220
В	\$80	\$100	\$200
С	\$60	\$80	\$180
D	\$40	\$60	\$160
Е	\$20	\$40	\$140



#### Addressing Potential Roadblocks





Provide incentives for people to buy fewer permits



#### A More Livable and Attractive City













## Acknowledgements



ENGINEERING



Thank you! Questions?