

Muni-Meter Pilot Program



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Introduction

- Study of smart meter technology and its performance in Princeton
- To determine if:
 - These meters are viable for parallel parking and municipal parking lot applications downtown
 - Parking revenue increases
 - Meter maintenance drops
 - Enforcement is more transparent
 - Princeton can embrace newer parking technology and payment options

Current Single Space Meters



Proposed Multi-Space Pay Station



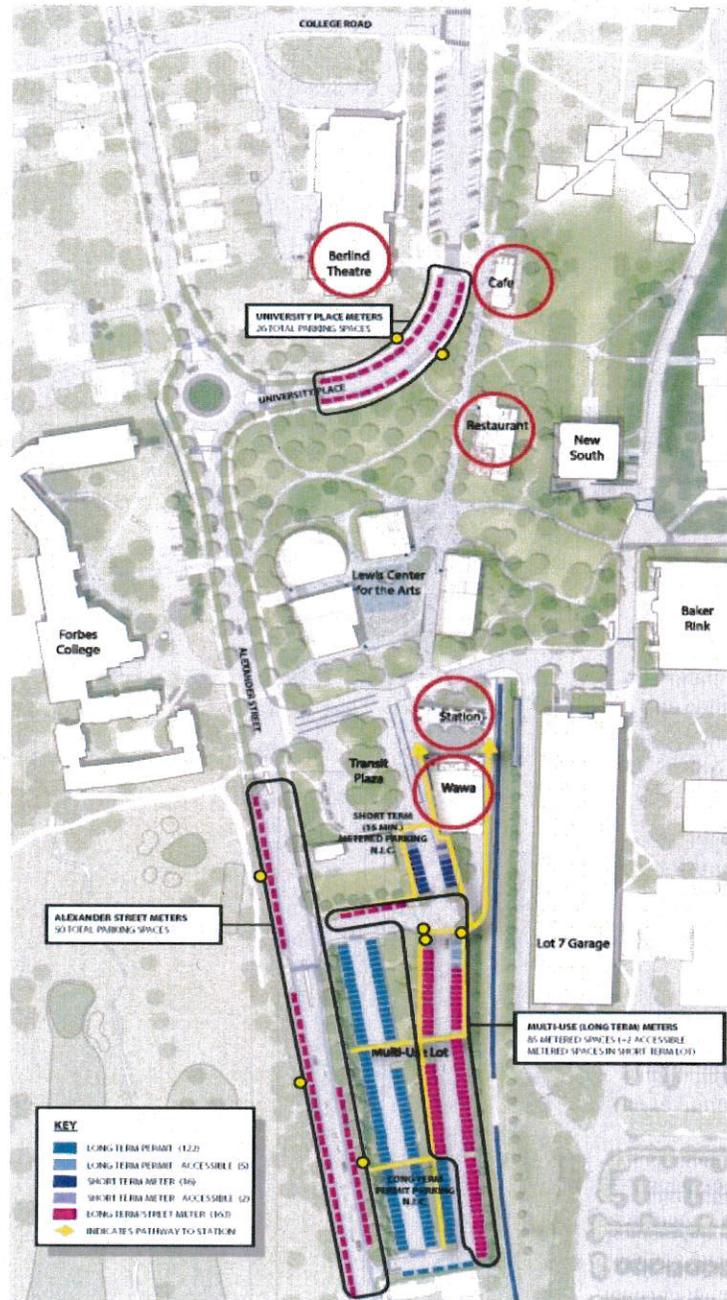


ITS Luke II

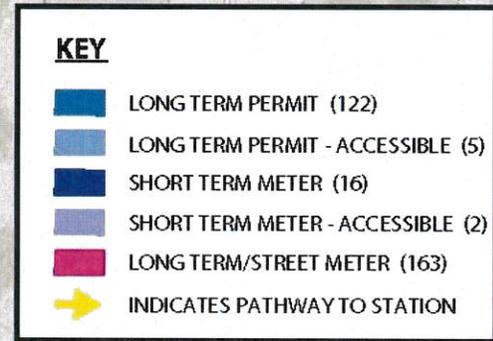
- Pay by Space
- Range of convenient payment options: coins, bills, credit cards, Smart Cards, Pay-by-Phone, coupons, custom cards, etc.
- Additional options: Extend-by-Phone
- Multilingual software
- Solar-powered
- Real-time reporting and alarming
- Wireless communication
- Black cabinet color

Study Locations

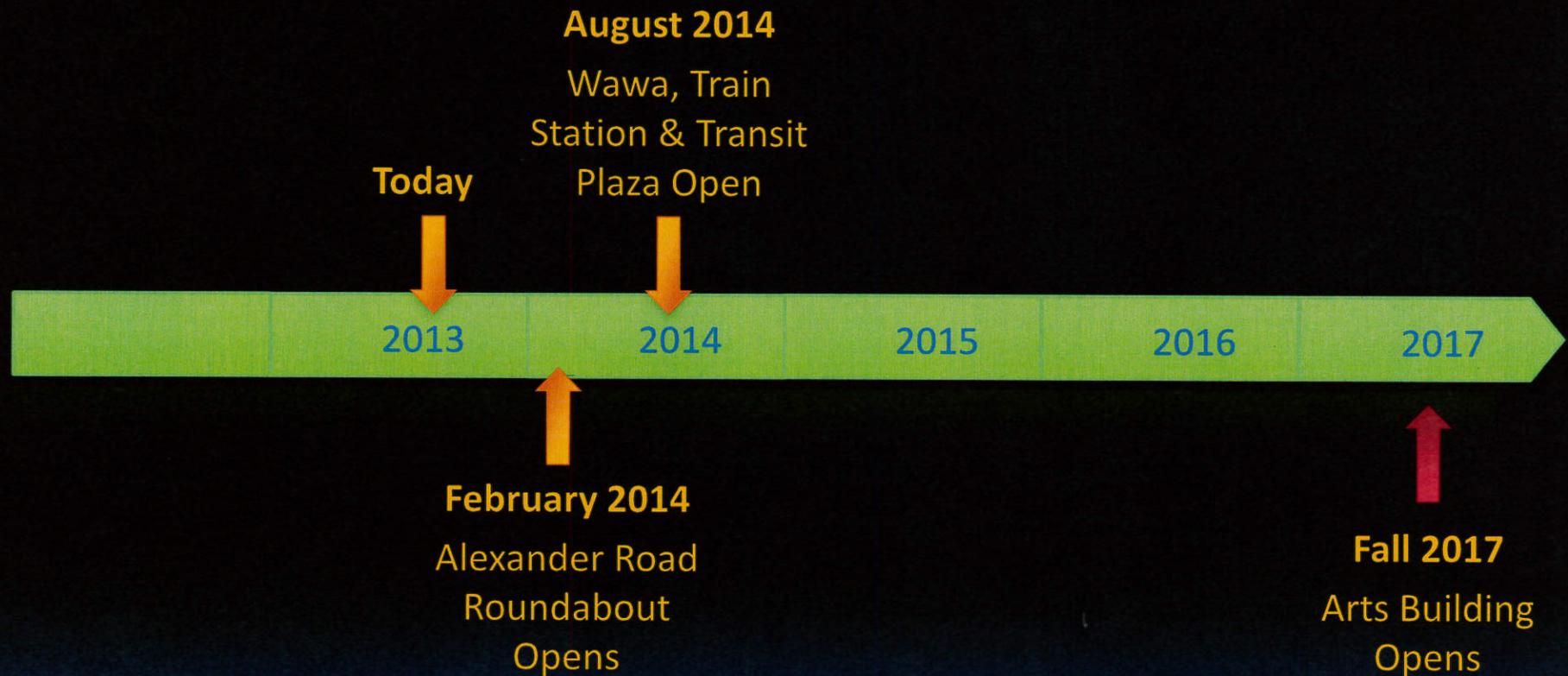
- Princeton Dinky Station
- University Place
- Alexander Street
- Possible additional locations TBD



Princeton University - Muni-Meter Scope
 Parking Plan w/ Vendor Recommended Locations for multi-meters



Study Time Period



- November 2013 – January 2014: Meter Procurement and Installation
- January 2014 – January 2016: Dinky Lot Meter Study
- February 2014 – February 2016: University Place Meter Study

Pilot Program Financial Commitments

- Princeton University proposes to donate 8 meters, at a cost of approximately \$96,000, and signage and striping in A&T neighborhood
- **Municipal Annual Cost ~ \$15,000**
 - Monthly contract for cellular service ~ \$40 per meter per month
 - Monthly contract for cloud-based back office software ~ \$55 per meter per month
 - Receipt paper ~ \$40 per meter per month
 - Cellular contracts for 3 tablets ~ \$40 per tablet per month
- Additional Municipal Costs
 - Annual service contract upon expiration of 1-year warranty
 - Tablet purchase for parking enforcement officers
 - Repainting of space numbers as needed in municipal rights of way

Case Histories / References

- Township of Millburn
 - Use Smart Cards, CC, DC, coin and bills, pay by phone
 - One part time meter person for a town of approximately 20,000
 - Only 1 meter of 8 has experienced a 24 hour down time. Other temporary outages were caused by coin jams and credit cards in the bill slot. Email and / or text messages can be sent from the meter to the appropriate staff to address the issue.
- City of Asbury Park
- Borough of Red Bank
- Bloomfield, Belmar, Stone Harbor

Timeline of Approvals

- T&T Committee Endorsement received October 21, 2013
- Council Approval of Pilot Program Concept – October 28, 2013
- Council Approval of Agreement with Princeton University—November 2013

- Next Steps:
 - Meter procurement, fabrication, installation
 - Parking ordinance review
 - Training meter staff and parking enforcement personnel
 - Publicizing the new meters and educating the residents on their use