



Old Town Area Parking Study Work Group: Overview and Final Recommendations

City Council Meeting
September 14, 2010

Old Town Area Parking Study Boundaries

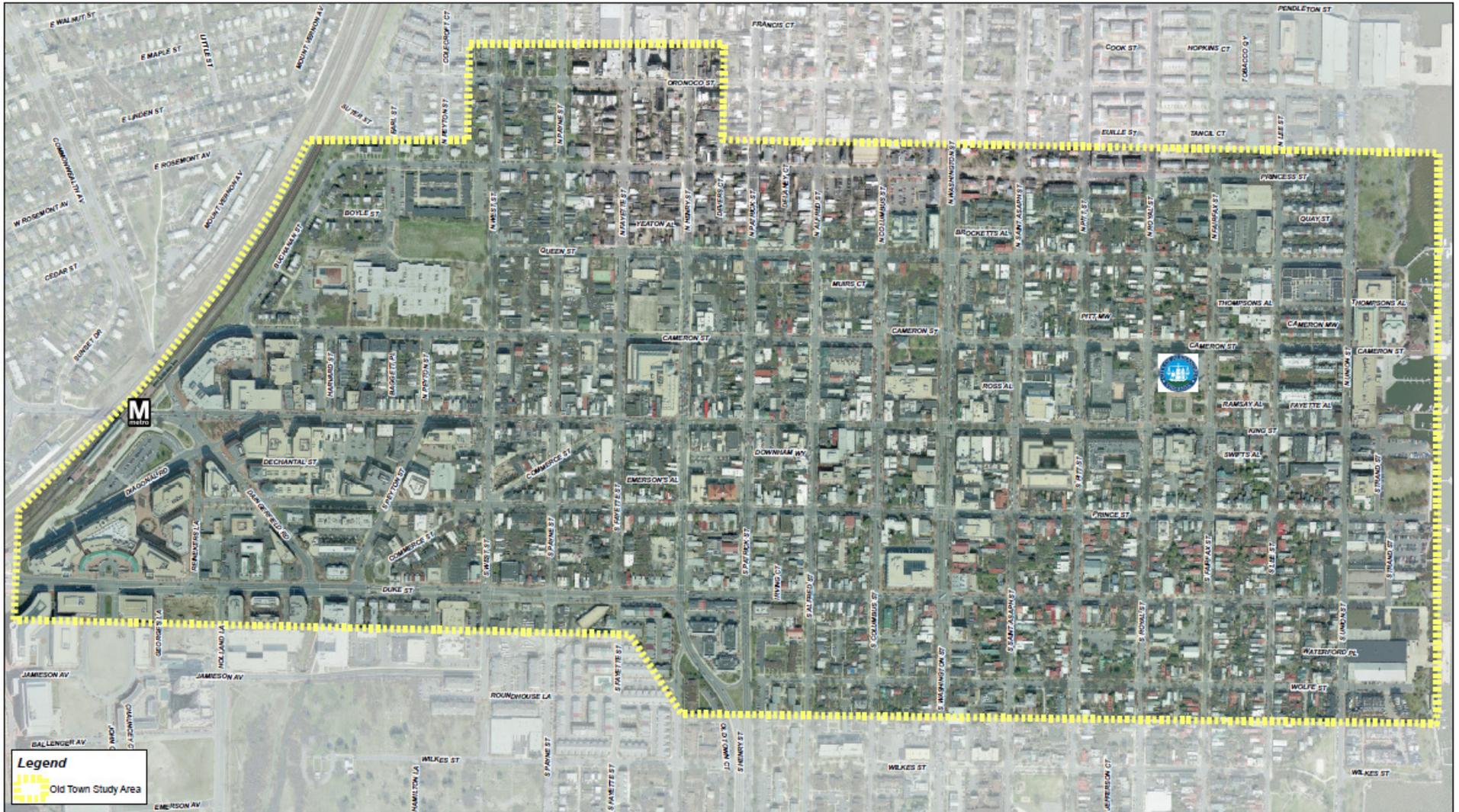


Figure 1-1:
Old Town Parking Study Area

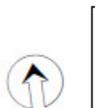


FIGURE
1-1

Old Town Area Parking Study Work Group

- Transportation & Environmental Services
- Planning & Zoning
- Alexandria Commission on Persons with Disabilities
- Old Town Business and Professional Association
- Chamber of Commerce
- Citizens/Civic Associations
- Parking Garages
- USPTO
- Real Estate
- Restaurants
- Hotels
- Parking Garages
- Retail

Old Town Area Parking Study Work Group

Purpose:

- Improve parking management in the Old Town area through implementation of recommendations set forth in the Old Town Area Parking Study.

Goals:

- Discuss selected recommendations from the Old Town Area Parking Study
- Establish plan for implementation of selected recommendations

Old Town Area Parking Study Work Group

Recommendations topics to discuss:

- Short-term
 - Variable meter parking durations
 - Extension of on-street parking meter hours
 - Addition of new multispace meters in the Old Town area
 - Disabled pay to park policy
- Long-term
 - Parking time restrictions in residential permit areas
 - Use of parking garages

Old Town Area Parking Study Work Group

- Convened six times throughout summer
- Final meeting on August 31
- List of final recommendations for implementation
- Report on Work Group recommendations to Council in late September
- Request for Council Work Session on October 12

“All May Park, All Must Pay”

- Designate 2% of metered spaces as disabled.
- Allow 4 hours for disabled parkers.
- Issue waivers based on income for low income disabled residents.
- Implement policy after proper meter infrastructure is in place, including technologies that allow credit cards and in-vehicle parking devices.

Parking in Residential Areas

Addition of Meters

- Do not add meters in residential areas.

Time limits

- Do not decrease time limits for non-permit holders in residential areas.

Non-permit holders

- Research implementation of permit only parking during evening hours in residential areas.

Meters in Commercial Areas

- Extend operational hours until 10 pm.
- Do not install meters with 30 minute or 1 hour time limits.
- Do not implement variable parking rates.
- Install new meters in non-metered blocks that are fully commercial.
- Install new meters in combination blocks that are high activity/utilization.
- Consider proximity and price of off-street parking facilities when placing new meters.

Off-street Parking Facilities

- Improve City owned facilities.
- Develop brochure for users in partnership with ACVA, Chamber of Commerce, etc.
- Improve parking information on City website.
- Work with private garages to extend hours.
- Use City-owned facilities for valet parking.

New Technologies

- Implement pay-by-phone technology at metered spaces.
- Install multispace pay-and-display meters for new meter installations.
- Replace existing single space individual meter heads with multispace meters.

Multispace Meters

Recommendation in Old Town
Area Parking Study:

- Install multispace meters to replace coin-operated single-space meters on King Street and in side street locations with high demand.



Multispace Meters



Benefits:

- Provides alternate/convenient means of payment
- Less hardware in pedestrian area
- Less equipment to maintain
- Vandal resistant
- Can hold as many coins as 10-15 single meters (less collection/staff needs)
- Can adjust rates easily
- Quick return on investment

Multispace Meters

Negatives:

- Costlier to purchase/install
- Malfunction affects greater number of spaces
- Aesthetic impact of larger meter
- Placement is greater distance from parking space



Multispace Meters

Pay and Display (Receipt in Window)	Pay by Space (Pay at Meter)
Provides more parking - Allows self-spacing	Limited spaces - Park in set spaces
Requires return trip to car	Ability to pay and go
Less maintenance needs - No painted lines, numbers	Needs maintenance: painted lines, numbered spaces
Maximizes revenue - No time “piggybacking”	Can increase revenue - Reduces “piggybacking”
Requires on-foot PEOs - Increases enforcement time	Can be monitored remotely for enforcement

Multispace Meters

Work Group Recommendations:

- Install multispace Pay and Display meters for new meter installations.
- Replace existing single-space individual meter heads with multispace meters.
- Include Modules for credit card processing and coin acceptance.



Existing Meters in Old Town Area



Legend

 Old Town Study Area	 Student Drop-Off
 Residential District Parking	 Metered Parking
 General On-Street Parking	 Handicap Parking
 Loading and Unloading Only	 School Bus Parking Only
 Taxi Stand	 Valet Only
 Tour Bus and Trolley Parking Only	

Multispace Meter Replacement: Vendors and Installation

- Vendors:
 - Duncan (Carlyle)
 - Parkeon
 - Cale
- Staff recommends one type of multispace meter throughout Old Town Area for consistency
- Delivery and installation: 5-6 months

Costs of Single Space and Multispace Meters

Type of Meter	1,039 Single Space Meters	Single Space Meters	Multispace Meters
Cost to Purchase/ Install per Space		\$500	\$1,000
Annual Operating Cost per Space:			
Operations Cost		\$20*	\$54
Hardware Maintenance Cost		\$10	\$48**
Total Annual O&M Costs per Space		\$30	\$102
Annual Gross Revenue per Space	\$1,983,780***	\$1,909	\$2673****
Annual Net Revenue per Space (Annual Gross Revenue - Total Annual O&M Cost)		\$1,879	\$2,571

- * Technician overtime and reallocation of resources due to increased coin collection needs
- ** First year cost is negligible as equipment is covered by warranty
- *** Annual projected revenue based on increased meter rate (57% increase in revenue)
- **** Additional revenue is expected to be approximately 40% more than current revenue due to the following:
- A) Increased number of parking spaces per block
 - B) Ability to charge credit cards results in increased revenue
 - C) Elimination of "piggybacking" in vacated spaces

Multispace Meter Replacement: Fiscal Implications

- Personnel savings is estimated to be minor at this time
- Purchase costs:
 - \$1000 per space for multispace meters
 - \$500 per space for single space meters
- Annual operating & maintenance costs:
 - \$102 per space for multispace meters
 - \$30 per space for single space meters

Multispace Meter Replacement: Fiscal Implications

- Annual net revenue per space:
 - \$2,571 for multispace meter space
 - \$1,879 for single space meter space
- 40% projected revenue increase at multispace meters due to:
 - Increased number of spaces per block
 - Credit card usage
 - Elimination of “piggybacking” in vacated spaces
- 1.75 years to recoup capital investment

Annual Revenue vs Cost of Multispace Meters

	Single Space Meters	Multispace Meters	Difference
Total Annual Revenue	\$1,952,281	\$2,671,269	\$718,988
Total Cost of Multispace Meters		\$1,250,000	

Number of years to recoup costs of new multispace meters is estimated at 1.75 years.

Thank you!

Questions?