



Workshop:
Development, Management, &
Provision of Standardized Curbside and
Parking Management Information
Application Program Interface (API)



July 13, 2018

Agenda

- Opening Remarks
 - Benito O. Pérez, Curbside Management and Operations Planning Manager
- Project Team Introductions
- Project Background
- Scope of Work
 - Overview
 - Requirements
- Break
- Q&A
- Next Steps

Project Team Introductions



Evian Patterson	Associate Director, Parking and Ground Transportation
Joseph Kerwin	Program Analyst
Stephanie Dock	Research Program Manager
Chris Quay	Business Analyst
DeAndre Henson	Contract Specialist

Washington, DC – Regional Setting

- 68.3 square miles
- DC metropolitan area
 - Population 6.1 million
 - 6th largest metro
- DC population 700,000+ (& growing)
 - 600,000+ daily commuters
 - 125,000+ daily visitors
 - 1,000 new residents every month
 - Population full of tech-savvy customers



Project Background

- DDOT owns, operates, and maintains the public curbside, to include:
 - 10,830 Parking Meter Assets covering ~18,600 metered parking spaces
 - ~100,000 Residential Permit Parking Spaces
 - ~1,400 spaces dedicated to 600+ loading zones
 - 600+ diplomatic parking spaces
 - 230,000 other curb use spaces (bus stops, unregulated, reserved for specific uses)
- DDOT is looking at innovative ways to improve the customer parking / curb use experience and better assess curbside system performance and utilization.



Curbside Management Study

Vision

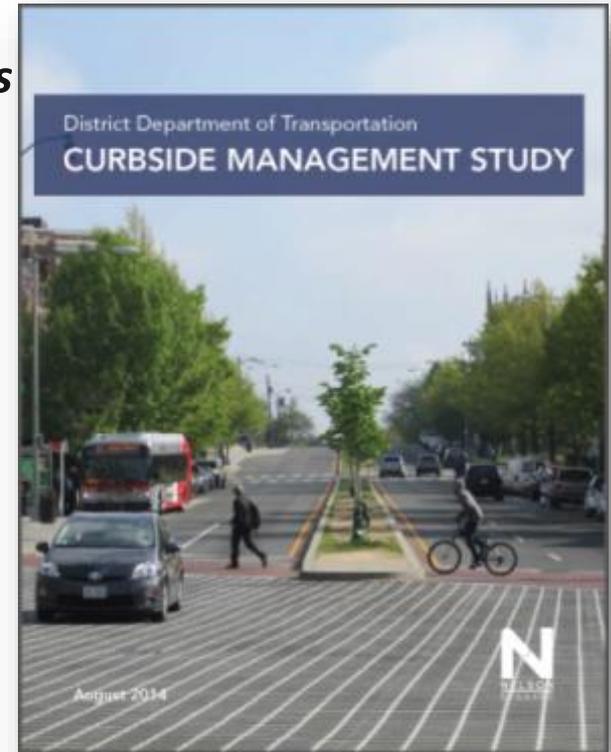
...to manage curbside resources to provide reliable access to homes, places of work and worship, commercial establishments.

Goals

- Keep policies fair and transparent
- Preserve neighborhood character
- Support commercial districts
- Ensure access to work, school, & services
- Encourage growth, preserve quality of life

Process

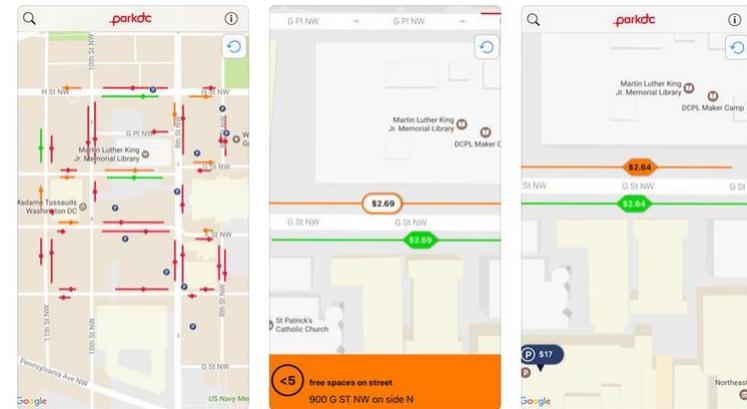
- Assess the existing curbside uses and policies
- Provide a framework for further discussion and analysis
- It **DOES NOT** establish new programs, parking restrictions, etc.



Project Background

In 2015, DDOT created the parkDC brand

- Identity on the District's curbside management programs and services.
 - Penn Quarter/Chinatown Multimodal Value Pricing Pilot (MVPP)
 - Accessible Meter Parking
 - Dupont Pick up / Drop Off (PUDO) Zone Pilot
- As part of the MVPP project, a parking information app was created (ParkDC is available on Google Play and Apple Store)
 - Initial rollout provides parking availability and rate information in Penn Quarter/Chinatown. Static information on off-street parking locations.
 - Upcoming rollout to show all meter locations, policy in the District and some filtering capabilities.
 - Developed using MVPP project and parking meter asset APIs.



Project Background

- MVPP project is moving the agency to focus on curbside management services to be more data driven.
- Disparate or limited sources of curbside and parking information for public use
 - No centralized off-street parking inventory
- Upcoming solicitation on parking meter services in FY 2019 to include development, management, & provision of standardized Curbside and Parking Management Information API



Scope of Work: Overview

Component of upcoming Parking Meter Services Contract:

- Assume development, management and maintenance of existing parkDC parking information app.
 - Considerations on enhancing application in future to allow off-street parking reservations, pay by phone meter payment, curb use permit applications and payment.
 - ParkDC app is to be the District's foundational app in fluid parking app marketplace.
- Collaborate with DDOT Office of Information and Technology Innovations (OITI) to build, QA/QC, deploy, and maintain a searchable District-wide curbside use inventory API.
 - Build off 2016 data collection efforts.
 - Capture changes to curb use made via District's work order system (pending, installed, removed).
 - Include present and ability to develop historic curb use information.

Scope of Work: Overview

Component of upcoming Parking Meter Services Contract:

- Collaborate with Parking Meter Services vendor to enhance, QA/QC, and maintain a searchable District-wide parking meter asset inventory API.
 - Meter locations, policy information, and meter health for public consumption
- Collaborate with private garage operators and Washington Parking Association to build, QA/QC, deploy, and maintain a searchable District-wide off-street parking inventory API
 - To include policy information, location, availability, and amenities (such as EV charging, ADA access)
- Leverage parking meter assets and other innovative solutions to develop, QA/QC, deploy, and maintain curbside utilization and availability information for all District streets that allow curb use.
- Coordinate the aggregation of curbside and parking information APIs for 3rd party applications and Original Equipment Manufacturers.

Project Requirements

- District IT Standards
- Standards for Security Categorization of Federal Information and Information Systems
- Data Management and Governance Practices
- Applicable federal and D.C. code requirements:
 - Business license with the District of Columbia
 - Permit application
 - Insurance
 - Bid Guaranty
 - DBE goals
 - DC Language Access Act of 2004
 - Section 508 of the Rehabilitation Act of 1973 ((29 U.S.C § 794 (d))
- Special Provisions and Specifications

Q&A

Q&A

- **Estimated Cost?** Need your input and suggestion.
- **Source of funding?** Initially envisioned as local capital and operating funds. Dependent on innovation, pursuit of local and federal grants.
- **Estimated release of RFP?** In FY 2019 (part of Parking Meter Services Solicitation).
- **Estimated Implementation?** Need your input and suggestion on what a realistic timeline is.
- **What technologies and other services does DDOT need to procure for this endeavor?** Need your input and suggestion.
- **What vendor developed and currently maintains ParkDC?** Eastbanc Technologies.
- **Will the ParkDC app be transactional or informational?** We would like to enable both capacities, but need your input on how that would look like.

Q&A: OTHERS?

Next Steps

- Formally submit responses via email by July 27, 2018
 - Responses will be made available via amendment
- DDOT intends to issue a Request for Proposal or Invitation for Bid in FY 2019 as part of Parking Meter Services Solicitation
- Contracting and Procurement resources:
 - <http://ocp.dc.gov/page/how-do-business-district>
 - <http://ocp.dc.gov/page/requirements-doing-business-district>