Commission Members

- **Jeff Bennett** – Citizen West
- **Lawrence Chambers** – DASH
- **Jeremy Drislane** – Citizen West
- **John Goebel** – Planning Commission
- **Oscar Gonzalez** – Citizen East
- **Casey Kane** – Traffic and Parking Board
- **Bruce Marsh** – Citizen East, Potomac Yard Metro Implementation Working Group
- **Melissa McMahon** – Planning Commission
- **Bill Pugh** – Environmental Policy Commission, AMP Chair
- **Canek Aguirre** – Council (non-voting)
- **John Chapman** – Council (non-voting)
Meeting Notice

Agenda Item #1
Electronic Meeting Notice

Due to the COVID-19 Pandemic emergency, the 2/17/21 meeting of the Transportation Commission is being held electronically pursuant to Virginia Code Section 2.2-3708.2(A)(3), the Continuity of Government ordinance adopted by the City Council on June 20, 2020 or Section 4-0.01(g) in HB29 and HB30, enacted by the 2020 Virginia General Assembly (Virginia Acts of Assembly Ch. 1283 and 1289), to undertake essential business. All of the members of the Commission and staff are participating from remote locations through a Zoom webinar. The meeting can be accessed by the public through Zoom or Phone. Public comment will be received at the meeting and was able to be emailed beforehand.
Public Comment Period

Agenda Item #2
Public Comment

- Raise hand or press *9
- 3 minutes per speaker
3 Minute Timer

Announcement will sound automatically when time is up
COMMISSION MINUTES: January 25, 2021 Meeting

Agenda Item #3
Year 3 Vision Zero Update

Agenda Item #4
Background

• **Vision Zero goal**
  • Eliminate all traffic-related deaths and serious injuries by 2028

• **Annual Engineering Priorities**
  • Implement over the following year

• **Annual Report**
  • Progress on priorities and crash data
2020 Safety Issues

• More speeding
  • Decreased traffic and congestion
  • Wide streets

• Vehicle to Vehicle head on crashes
  • Driving under the influence of alcohol or drugs
    • But investigations are pending

• Left turn crashes involving pedestrians
2020 Resource Issues

• 2020 was challenging for Vision Zero:
  • Budget cuts
  • Staff pulled into citywide COVID response
  • Shifting to virtual work
  • Limitations with in-person site visits
  • Unreliability of data collected during COVID
  • Materials/equipment lead times
Key Progress Highlights Year 3

• Installed:
  • Over 30 high-visibility crosswalks
  • Permanent crossing improvements (ramps, median refuges) at over 10 locations
  • New pedestrian signals at high pedestrian crash locations (Van Dorn and Holmes Run Pkwy)
  • Speed feedback signs on Duke Street
    • Encourage speed limit compliance
    • More planned in CY 2021
Key Progress Highlights Year 3

• Capital projects at high crash locations
  • (e.g. King, Callahan, Russell Road and Duke at West Taylor Run)
• Speed limit analyses
• Updated pedestrian signage
• Automated enforcement
• Collaborated with Alexandria Families for Safe Streets
Year 4 Engineering Goals

• 10 streetlight retrofits
• 20 leading pedestrian interval and coordinated no turn on red signs
• 2 left-turn crash mitigation measures
• 1 priority sidewalk project
Year 4 Engineering Goals (cont’d)

• 10 improvements at uncontrolled crossing locations
  • (e.g. markings, signage, parking removal, curb extensions, flashing beacons, HAWK signals, etc.)

• 20 improvements at controlled locations
  • (e.g. curb extensions, stop sign enhancements markings)

• 5 intersection audits
  • Identify and implement low-cost, quick installation improvements

• Automated Enforcement in School Zones Program
Next Steps

- Continue planning and implementation of year 4 priorities
  - Focus on Equity Emphasis Areas

- Annual Report for CY 2020 in Spring to include crash data
What Happens After a KSI crash?

• Immediate Response...
  • Public Safety Personnel (APD/AFD) respond
  • T&ES responds to fix any downed signs, broken infrastructure
  • If appropriate, Crash Reconstruction Team deploys

• Within 48 hours...
  • APD and T&ES coordinate on crash details as investigation continues
  • T&ES staff look at the location and see if any immediate action is needed

• Monthly...
  • Vision Zero Crash Task Force Meetings
    • Crash detailed and discussed by staff from APD and T&ES
    • Future actions determined and documented
    • Staff works to implement recommended actions as funds allow or study the issue further
Parking Technologies
Agenda Item #5
Why Invest in Parking Technology?

Parking: Problem
• Negative perception of parking in Alexandria
• Only 31% positive view of “ease of parking”

Technology: Solutions
• Maximize parking assets
• Improve perceptions
• Prepare for the future
Parking Perceptions

- Can’t find available parking
- Not enough parking
- Residents can’t find a place to park
- Not enough enforcement
- Too Expensive
- Businesses need parking for their customers
- The City’s parking garages are a hassle
- Congestion
- Cut-Through traffic
How Can Technology Improve Parking?

Maximize the City’s parking assets:
- Maximize utilization of off-street parking resources
- Improve access for businesses by creating turnover in metered spaces

Manage Perceptions of Parking:
- Improve management of residential permit parking
- Improve perceptions of parking and access in the City
- Educate the public about parking and transportation policies

Prepare for the Future:
- Ready for new mobility options (ridehail services, autonomous vehicles, electric vehicles)
How Parking fits with City Initiatives

Publicly owned and managed parking:

On-street parking
- Metered parking
- Residential permit parking
- Loading zones

Off-street parking
- Garages and lots
  - Daily & hourly
  - Monthly
- Employee parking
Smart Mobility Framework (2018)

- Parking Sensors
- Real-time parking information systems
- Parking guidance systems
- EV charging
- Real-time variable rate meters
- Visitor parking permits
- Residential parking permits
- Curbside management
- Multi-space pay-by-plate meters
- Pay-by-phone in residential areas
- Pay-by-phone in commercial areas
- Automated license plate readers
- Handheld enforcement devices
# Current Technology Applications

## Existing:
- Parkmobile Pay-by-Phone
- Automated License Plate Enforcement
- Pay-by-plate parking meters

## Coming Soon:
- New Enforcement System
- Virtual Parking Permits
- Parkmobile Upgrades
Priorities for New Technologies

- User Experience – Payments and Pricing
- Data Collection and Management
- Permitting
- Enforcement
- Alternative Vehicles and Electric Vehicles

Underway: New Parking Enforcement and Adjudication System

Draft Electric Vehicle Charging Infrastructure Readiness Strategy
Priorities for New Technologies

User Experience/
Payments &
Pricing

Data Collection and
Management

Garage access and payment systems
Real-time garage occupancy infrastructure and signs
On-street parking data collection
Parking management ‘business intelligence’ software
On-street parking meters
1. Garage Access and Payment Systems

<table>
<thead>
<tr>
<th>What it is:</th>
<th>What it means for you:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Purchase/upgrade Parking Access &amp; Revenue Control Systems (PARCS) in City-owned and operated garages</td>
<td>• Reserved parking</td>
</tr>
<tr>
<td></td>
<td>• Enables real-time parking data</td>
</tr>
<tr>
<td></td>
<td>• New payment methods &amp; locations</td>
</tr>
<tr>
<td></td>
<td>• New validation options</td>
</tr>
</tbody>
</table>

New SF MTA PARCS pay station
2. Real-time Parking Occupancy Info

What it is:
- Display of real-time occupancy rates for parking, both online and via dynamic signs

What it means for you:
- Easy access to off-street parking
- Change perceptions about parking availability

Occupancy Sign, Bethesda, MD (Google Streetview)
3. On-Street Data Collection

What it is:
- Hardware and Software to collect more data and better data about how, when, and why our curbs are used

What it means for you:
- Data-driven decision-making
- Informed decisions about how to use the City’s valuable curb space
4. Parking Management Software

<table>
<thead>
<tr>
<th>What it is:</th>
<th>What it means for you:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• A one-stop shop for the City to manage operations across numerous technology platforms.</td>
<td></td>
</tr>
<tr>
<td>• Data aggregation of all City parking assets</td>
<td>• Data to support real-time parking displays</td>
</tr>
<tr>
<td></td>
<td>• Coordinated policy between on-street and off-street parking</td>
</tr>
</tbody>
</table>

Walnut Creek, CA – Real Time Parking Map
5. Modernize Parking Meters

**What it is:**
- Purchase of new parking meters
- Replacement of the City’s oldest multispace parking meters

**What it means for you:**
- ‘Pay by License Plate’
- More efficient and effective enforcement
## Progress Chart

<table>
<thead>
<tr>
<th>Action</th>
<th>Timeframe</th>
<th>Progress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handheld Enforcement</td>
<td>Short</td>
<td>●●●●</td>
</tr>
<tr>
<td>Automated License Plate Readers</td>
<td>Short</td>
<td>●●●○</td>
</tr>
<tr>
<td>Pay-by-phone (commercial and residential)</td>
<td>-</td>
<td>●●●●</td>
</tr>
<tr>
<td>Virtual parking permits</td>
<td>Short</td>
<td>●●○○</td>
</tr>
<tr>
<td>EV Charging</td>
<td>Medium</td>
<td>○○○○</td>
</tr>
<tr>
<td>Garage payment and access systems</td>
<td>Medium</td>
<td>●○○○</td>
</tr>
<tr>
<td>Real-time parking occupancy information</td>
<td>Medium</td>
<td>○○○○</td>
</tr>
<tr>
<td>On-street data collection</td>
<td>Medium</td>
<td>○○○○</td>
</tr>
<tr>
<td>Parking management software</td>
<td>Medium</td>
<td>○○○○</td>
</tr>
<tr>
<td>Modernize parking meters</td>
<td>Medium</td>
<td>○○○○</td>
</tr>
</tbody>
</table>
## Funding Sources

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>VDOT Grant – Parking Technology</td>
<td>$1,920,365</td>
</tr>
</tbody>
</table>

### Potential Sources

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transportation Technologies Fund*</td>
<td>$2,047,900</td>
</tr>
<tr>
<td>Parking Garage Revenues*</td>
<td>varies</td>
</tr>
<tr>
<td>Parking Meter Revenues*</td>
<td>varies</td>
</tr>
<tr>
<td>Ticket Revenues*</td>
<td>varies</td>
</tr>
</tbody>
</table>

*Parking will only use a portion of these funds*
Timeline

Today
- Parking Enforcement Contractor
- New handhelds for Police

2021
- VDOT Grant Coordination
- Virtual Permits
- Real-time Garage Info
- Parking Garage Management Software Implementation
- EV Strategy Completion

2022
- Garage Signs
- On-Street Data Collection
- Garage Access & Payment Systems

2023
- Modernized Parking Meters
WMATA FY22 Budget

Agenda Item #6
WMATA Budget

• WMATA is a major expenditure in the City budget
  • Operating: ~$47.6 million
  • Capital: ~$12.6 million

• Alexandria represents ~5% of the Metro budget

• WMATA is proposing $171 million in service cuts system-wide
Service Implications

• FY21 amendment - almost all routes running in Alexandria through the first half of FY22
  • 11Y to Braddock
  • Combination of 8Z/21A
  • Combination of 28G/22F
  • 10B, 7A late night service

• Second half of FY22 – current proposal of $171m in cuts/ 2561 FTE’s
  • Bus: $102m in savings (~50% of pre-Covid service region-wide)
    • Only 7A, 10B, 28A, 29K/N will run
  • Rail: $69.4m in savings (30% of normal service)
    • Van Dorn and Eisenhower will close (along with 20 other stations)
    • 30-minute rail headways, closing at 9PM, 7 days a week
Potential Feedback in City Letter

- Appreciate recognition of jurisdictional budget challenges
- Appreciate focus on services for essential workers
- Highlight importance of Metroway service
- Emphasize need for high quality transit for sustainable economic recovery
- Express concern over fiscal cliff
  - Seek to minimize layoffs
Next Steps

- February 20, 2021: Public comment period opens
  - Metro to provide additional resources to support engagement
- March 8-10: Series of five virtual public hearings
- March 16: Comment period closes
- April: Metro’s Board of Directors adopts final budget