CITY OF ALEXANDRIA
PAVING PROGRAM

Virginia Asphalt Conference & Expo
December 5-6, 2018
City of Alexandria

- 15.75 square miles
- 561 lane miles
- Founded in 1749
- Population 150,000
Previous Resurfacing Funding

**FY2014: City transfers $1.375 million from Operating to CIP**

<table>
<thead>
<tr>
<th>FY</th>
<th>City</th>
<th>VDOT Revenue Sharing</th>
<th>VDOT Primary Extension</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$1,375,000</td>
<td>n/a</td>
<td>n/a</td>
<td>$1,375,000</td>
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<tr>
<td>2015</td>
<td>$4,375,000</td>
<td>$118,000</td>
<td>n/a</td>
<td>$4,493,000</td>
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<tr>
<td>2016</td>
<td>$3,725,000</td>
<td>$1,875,000</td>
<td>$940,000</td>
<td>$6,540,000</td>
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<tr>
<td>2017</td>
<td>$3,375,000</td>
<td>$2,425,000</td>
<td>$500,000</td>
<td>$6,300,000</td>
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<td>2018</td>
<td>$5,300,000</td>
<td>n/a</td>
<td>$1,000,000</td>
<td>$6,300,000</td>
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</table>
Paving Schedule

• Pavement Condition Index (PCI)
  • Every three years (2013, 2016, 2019)
  • Every roadway
  • Expanded to other departments

• Cityworks Service Requests

• Additional evaluation based on employee input
Paving Schedule

• PCI evaluation
Paving Schedule

• Data gathering
  • PCI
  • Location
  • Last paved
  • Additional assessments
  • Cityworks

• Develop 5-year list
  • 3-year CIP
Resurfacing Completed and Planned

T&ES Paving Schedule
Fiscal Years 2018-2021
City Of Alexandria, VA

Paving Fiscal Year
- 2018
- 2019
- 2020
- 2021
Paving Coordination

• Tools to expand coordination efforts
  • GIS
  • Regular meetings with key stakeholders
  • Permit system upgrade

• Internal and External Partners
  • Utilities – major effort
  • Developers
  • City Departments
  • Complete Streets
Utility Coordination

• Privately owned utilities
  • Washington Gas
  • Virginia American Water
  • Dominion Energy
  • Communications

• Permit center management and coordination
  • Apex permitting upgrade
Paving Coordination

- Distribute Paving Schedule
  - Check for conflicts
  - Adjust where feasible

- Coordinate additional Complete Streets Projects
  - Complete Streets Management/Maintenance Inspections
Paving Coordination

- Complete Streets Coordination
  - Revised pavement marking plan
  - Schedule adjustments

Cameron St. Before

Cameron St. After
Paving Coordination

King St. Before

King St. After
Paving Process

- Base failure process
- 1.5” – 2.0” Mill and Overlay
- Crack Sealing
- Exploring additional technologies
How do we measure performance?

**FY2017-22 City Council Strategic Plan Goal:** Increase Alexandria’s Pavement Condition Index (PCI) rating from 58/100 (fair) in 2016 to 71/100 (satisfactory)

<table>
<thead>
<tr>
<th>Indicator</th>
<th>FY14</th>
<th>FY15</th>
<th>FY16</th>
<th>FY17</th>
<th>Target</th>
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</thead>
<tbody>
<tr>
<td>PCI</td>
<td>-</td>
<td>-</td>
<td>58</td>
<td>*61</td>
<td>70</td>
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<tr>
<td>Lane Miles Repaved</td>
<td>43</td>
<td>45</td>
<td>66</td>
<td>70</td>
<td>70</td>
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</table>

*Staff performs an independent citywide PCI assessment every three years. The most recent was in FY2016. FY2017 numbers are internal.*
Questions?
Thank You.
Contact Information

Mary T. Martin, P.E., CCM
Division Chief, Public Works Services
City of Alexandria
Department of Transportation and Environmental Services
703.746.4267 (direct)
571.414.8999 (cell)
maryt.martin@alexandriava.gov

Mary A. Winston,
CIP Program Manager
Department of Transportation and Environmental Services
703.746.4067 (direct)
maryalice.winston@alexandriava.gov