

Quality Assurance Workshop

“Continuing the Quality Revolution”

VDOT Chief Deputy Commissioner Rob Cary, P.E., L.S.

February 11, 2020

Mission & Priorities

**Plan, deliver, operate and maintain
a transportation system that is safe,
enables easy movement of people and goods,
enhances the economy and
improves our quality of life.**



Our mission remains the same.

Virginia: A Leading State + DOT

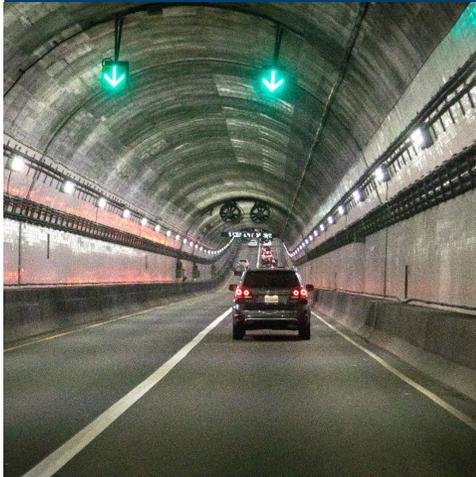
RANKED **#1** BY
CNBC AS THE
2019 TOP
STATE FOR
BUSINESS



7TH IN NATION
FOR THE # OF
FORTUNE
1000
COMPANIES



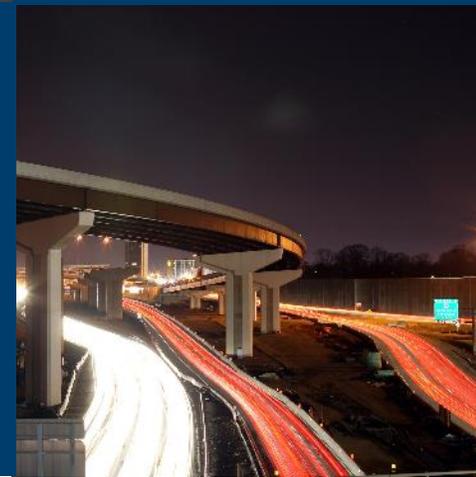
HOME TO
MORE THAN
60 COLLEGES
AND
UNIVERSITIES



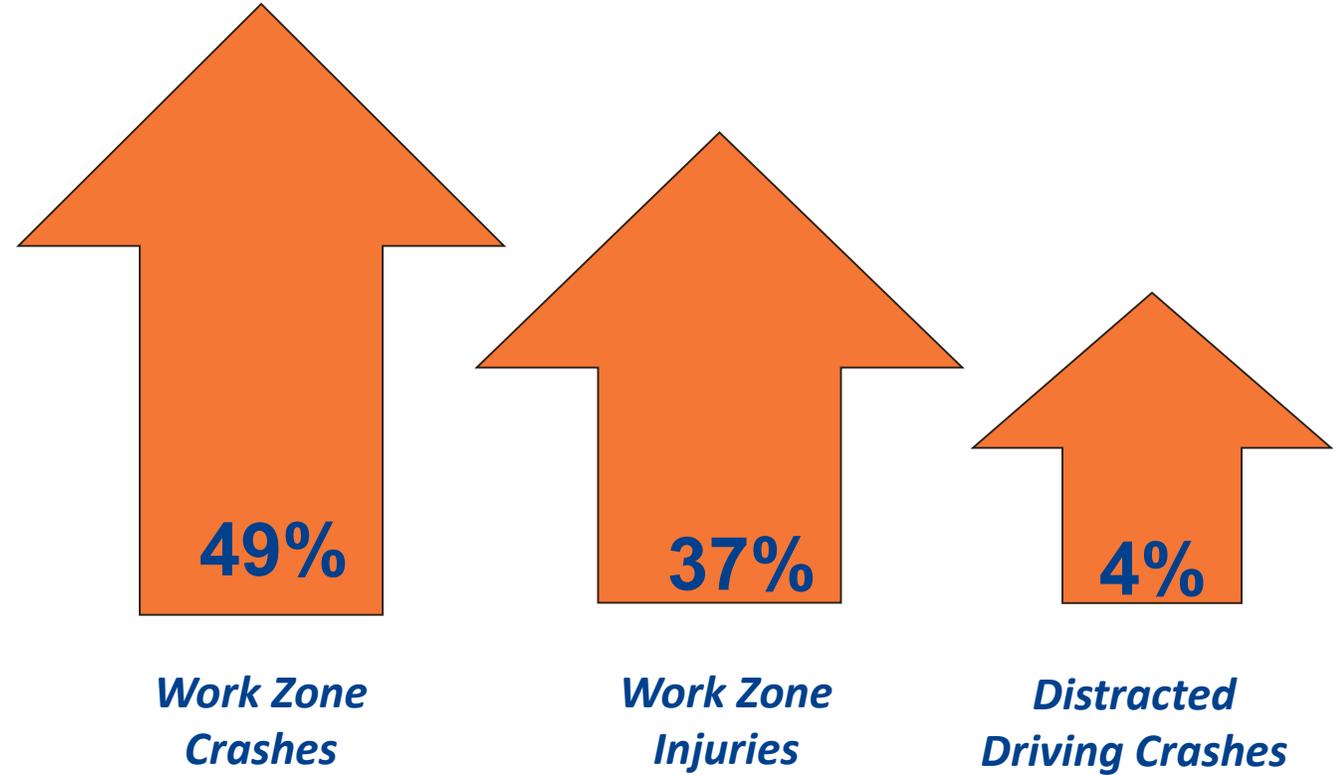
8.5 MILLION
RESIDENTS



VIRGINIA IS
THE **3RD**
LARGEST
STATE-
MAINTAINED
SYSTEM



Work Zone Crashes Were on the Rise in 2019



VDOT is BIG Business



VDOT OF TOMORROW

1

PREPARE OUR PEOPLE



- We will be willing to learn
- We will mentor each other
- We will support new ways of working

2

EMPOWER INNOVATION



- We will generate new ideas
- We will listen and be open to change
- We will think outside of the box

3

MODERNIZE OUR METHODS



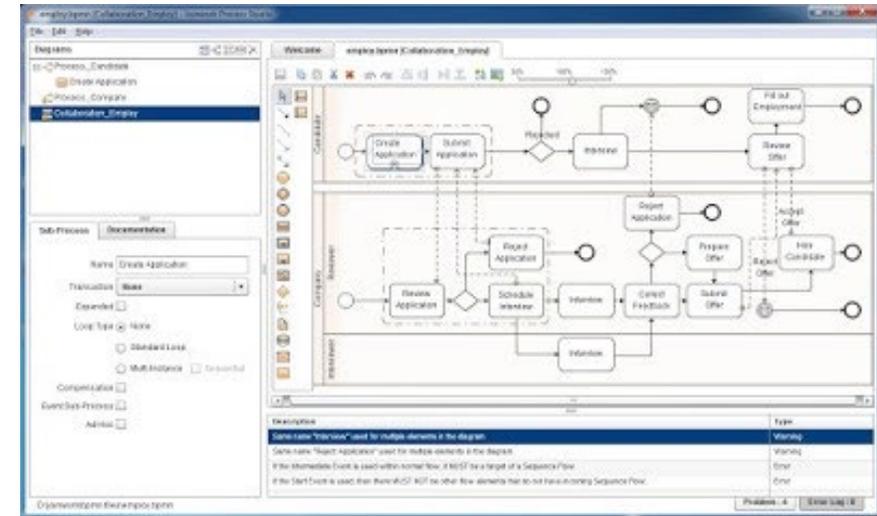
- We will research tools to better do our jobs
- We will explore new ways to do things
- We will learn how to work more efficiently

VDOT's commitment to continuous improvement



AASHTOWARE Project Construction and Materials Software

Track the complete construction and materials management process



Robotic Process Automation (RPA)

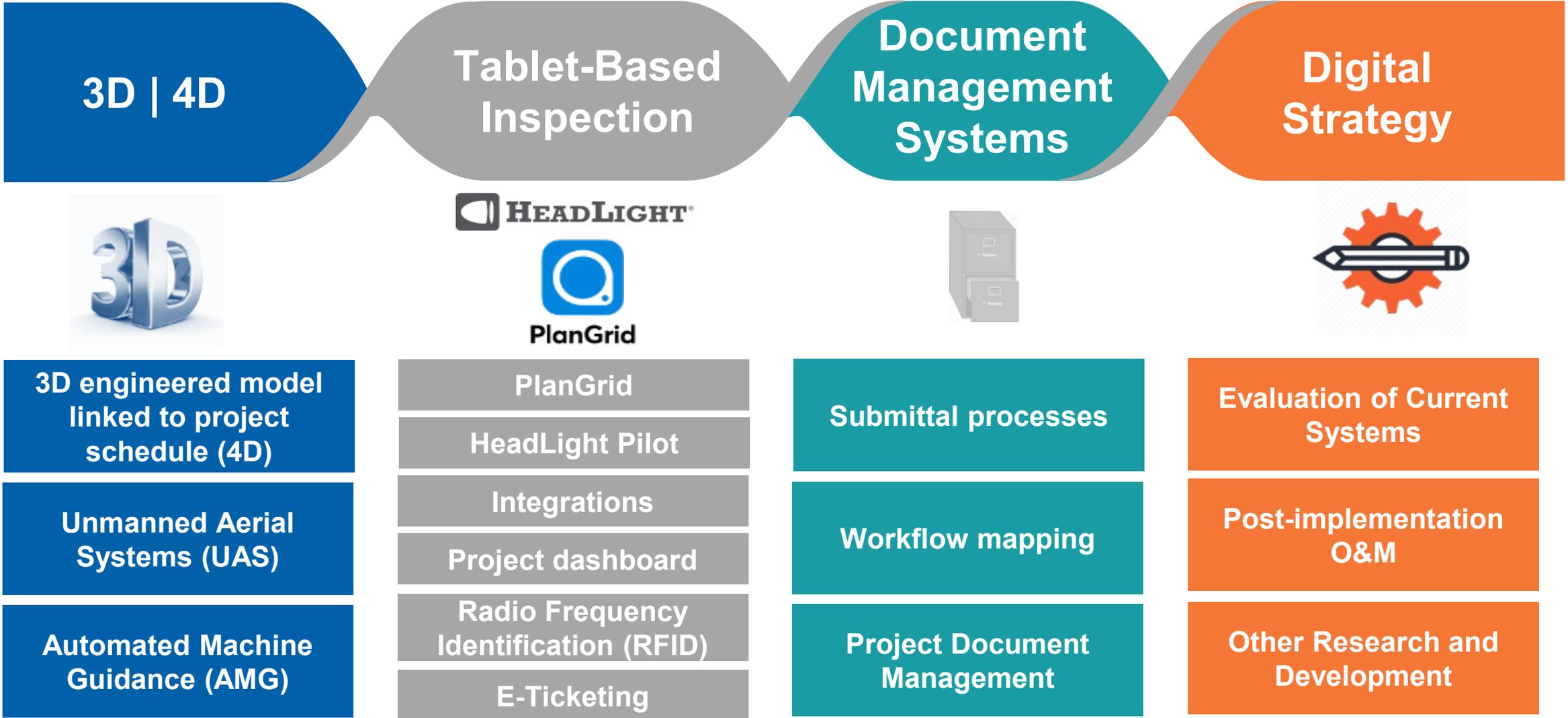
Automating repetitive tasks to allow VDOT to focus on bigger-picture issues

Commitment to Sustainability + Cost Savings



Pavement Recycling on I-64 widening project led to nearly \$15 million in cost savings + more than 30% greenhouse gas reduction

Technology Improvements | eConstruction Initiatives



Technology Improvements | eConstruction Initiatives

▶▶ **PlanGrid Pilot Program**

Began in September 2018

VDOT inspectors using iPads to review plans & documents, take pictures, and complete daily diaries

Full implementation beginning on projects advertised after January 1, 2020

▶▶ **HeadLight Pilot Program**

Phase 1 began in Fall 2018; Phase 2 began in Spring 2019

VDOT inspectors using iPads to complete daily diaries and material test reports

Phase 3 planned for 2020; full implementation in 2021 or beyond

▶▶ **eTicketing**

Special Provision will be revised to allow contractors to submit e-tickets to VDOT electronically (as an option not a requirement)

New Transportation Legislation in Virginia

- **Prohibiting the use of handheld cell phones while driving**
- **Banning open containers of alcohol in vehicles**
- **Making failure to wear a seatbelt a primary offense**
- **Enhancing speed enforcement**
- **Allowing localities to lower speed limits**

... to save more than 120 lives each year

Welcome and thank you

...for continuing the Quality Revolution!



