





Susan.Downing-Reed,
e-Construction Manager, VDOT

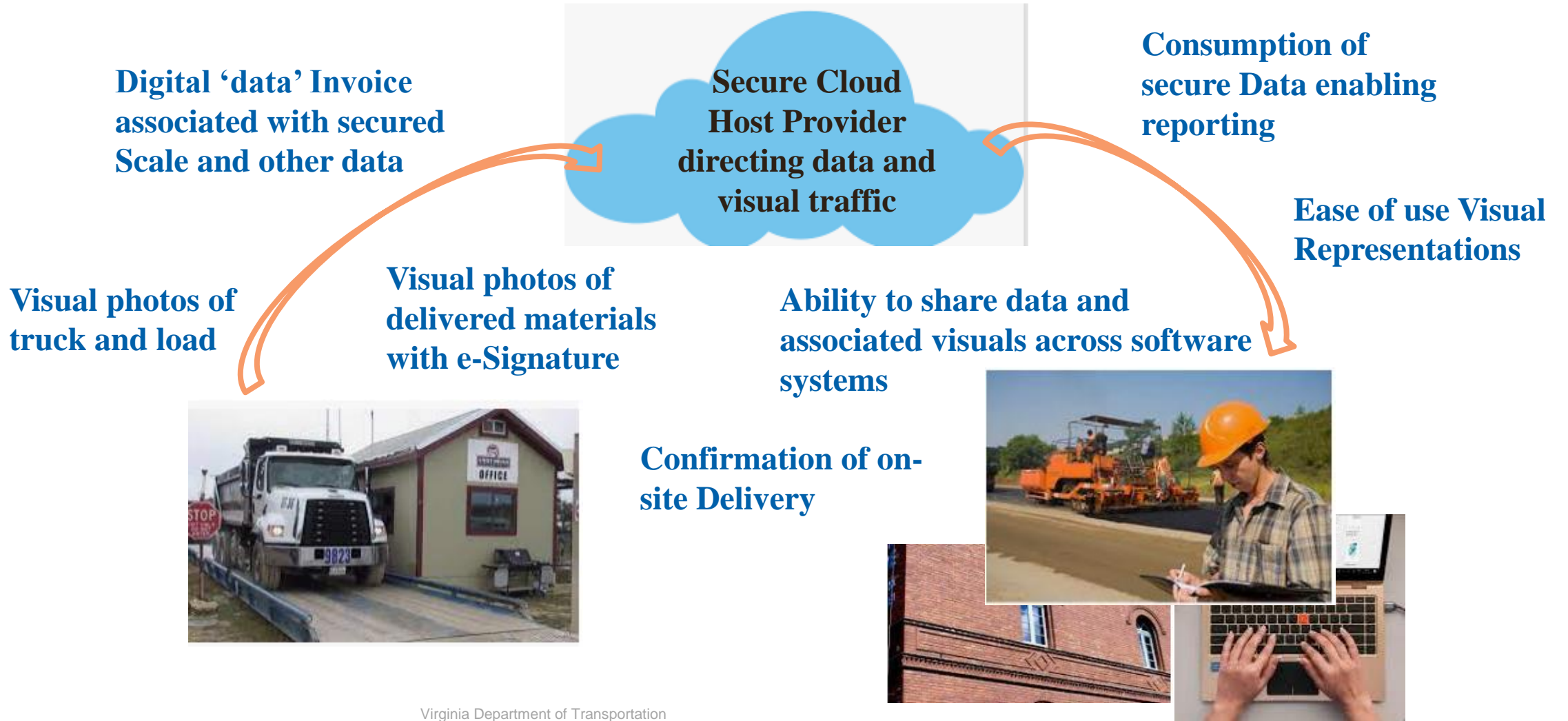
November X, 2021

Old Initiative New Focus

- **Data centric focus**
 - Vendor provides data to web based portal
 - Department consumes data into existing system
- **Verification of Load and Delivery**
 - Assures the right material arrives at the right location
- **Single, holistic solution**
 - Asphalt, Concrete, and Aggregate

ALLAN MYERS MATERIALS	
New Kent Asphalt (P20) 7701 Parham Landing Rd West Point, VA 23181 757-250-3091	
Date: 9/22/21 Time: 10:07	Ticket #: 300075608
<u>Customer:</u> 102375 FREDERICKSBURG ASPH. 7419 COMMERCE WAY RUTHER GLEN, VA 22546 804-589-1295	<u>Job:</u> 10237520STP0 VDOT (NFO) 0017-059-611,M50 RT 17 Saluda, VA Contract: P.O.#:
<u>Carrier:</u> 108809 SUTHERLIN ENTERPRISE! Truck: 138421 /FREDE Del: N GVWR: 0.00	<u>Order:</u> 210922L002P20 FREDERICKSBURG ASPHALT NO PHASE <u>Zone:</u> NOZONE NO ZONE/UNKNOWN
<u>Product:</u> NV40622132 SM12.5D VDOT 4062-2132 AC-VA%:	<u>Item:</u>
Loads Today: 1	Amount: 20.21 TN
Gross: 31.86 TN	63720 lb
Tare: 11.65 TN	23300 lb
Net: 20.21 TN	40420 lb
FREDERICKSBURG ASPHALT / S#	
Received By: _____	
WeighMaster: Wes Hughlett	

VDOT's Vision of eTicketing



Virginia Department of Transportation

Goals of e-Ticketing

Benefits

- Hands-off ticketing process reducing delivery and processing times
- Capture Data at point of 'Scale'
- Transparency between field and Office
- Validation of e-Ticket information
- eSignatures of Delivery for invoice verification
- Streamlined correction processing (same day)

- *Futuristic* → Delivered items copied to DWRS, automatically generating estimate vouchers

Prevent Errors such as:

- PO/Contract #
- Shipping Location
- Load Counts
- Shipping/Invoicing incorrect amounts
- Misplaced tickets
- Unreadable penmanship

Desired e-Ticketing Outputs driving data needs

1. Analysis of 'on-time' savings from Load to delivery – scale time to job site
2. Notification prior to Delivery aids in site prep
3. Notification of delivery with scale time to delivery
4. Positive verification of delivery and materials (picture, QR code transfer, or other)
5. Comprehensive digital ticket derived from data centric interface



VDOT Re-establishing Industry Partnership

Objectives:

1. **Develop a Data Centric eTicketing solution**
2. **Establish technology guidelines that are implementable creating Data Format and Content**
3. **Review and update the eTicketing Special Provision**
4. **Develop a holistic implementation plan capturing the efficiencies of a digital process**

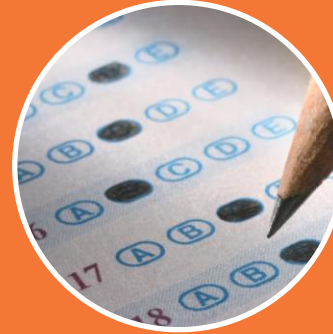


Path forward



Develop Requirements

- Coordination with Industry
- Coordinate Inter-Department



Proof of Concept/Pilot

- Validate solution with multiple Contractors/Vendors
- Validate VDOT ability to consume data



Implementation

- Special Provision Update
- Inclusion in projects
- Adoption by Industry



E-Constuction

Questions?

E-Constuction Contacts

Susan Downing-Reed

susan.downing-reed@vdot.virginia.gov

Jeff Jaeckle

jeff.jaeckle@vdot.virginia.gov