

ENVIRONMENTAL STEWARDSHIP + SUSTAINABILITY

Commonwealth Transportation Board

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

April 2021

Transportation's Commitment to Environmental Stewardship



Environmental Stewardship: Embedded into the Mission



Project Development

Construction

Maintenance

Regulatory Clearances
Negotiate and Manage Efficiencies
Statewide Environmental Business Tools
Environmental Program Administration
Technical Assistance and Coordination

Identification | Avoidance | Minimization | Documentation



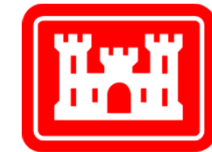
Regulatory Partners



NOAA
FISHERIES



DHR | Virginia Department of Historic Resources



US Army Corps
of Engineers®

Proactive Partnerships: Seabirds



Proactive Partnerships: Virginia is for Lovers, Not Litter



In Sept. 2020, VDOT in partnership with Secretary Valentine, launched Virginia is for Lovers, Not Litter LoversNotLitter.org



The campaign aims to raise awareness about Virginia's litter problem and build accountability



All Virginia residents and visitors are encouraged to take the No Love for Litter Pledge and vow to stop littering



Each of us is accountable to keep Virginia clean, beautiful and welcoming to all



Proactive Partnerships: Virginia is for Lovers, Not Litter



Plans are underway to promote the campaign during upcoming national observances such as Earth Day and Pollinator Week



A series of litter pick-ups are planned in conjunction with the fall Six-Year Improvement Plan meetings

**VIRGINIA IS FOR LOVERS,
NOT LITTER**

**Take the No Love
for Litter Pledge**

LoversNotLitter.org



Proactive Partnerships



**Adopt-a-Highway
and
Adopt-a-Park & Ride**

**Sponsorships
through Beautify
Virginia**

**Pollinator
Habitat
Program**

**Keep
Virginia
Beautiful**



Looking Forward: Connected and Automated Vehicles

VDOT is preparing for connected and automated vehicles

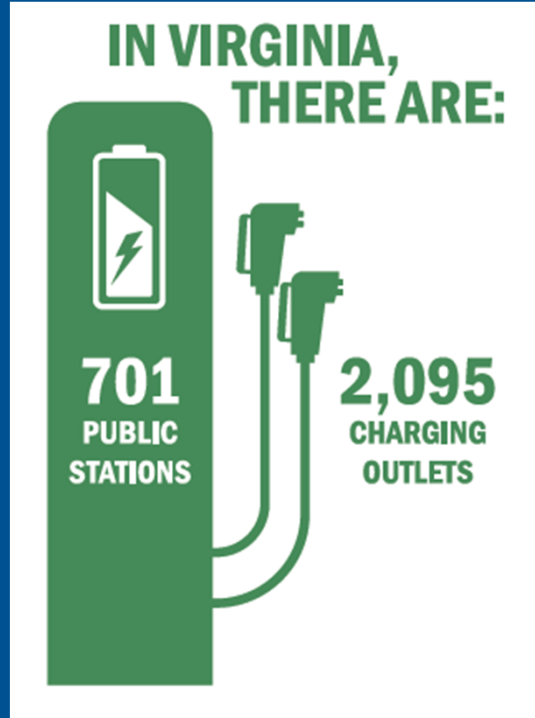
- **Assessing current state of readiness + developing a roadmap for future CAV deployments**
- **CAV partnerships**
 - **Cellular Vehicle to Everything (CV2X)**



Looking Forward: Air Quality

- **Greenhouse Gas Study**
 - Statewide Planning-Level Analysis
 - Pilot Project Analysis Along the Multimodal I-95 Corridor
 - National leader in developing quantitative GHG measures as opposed to qualitative measures.
 - Ultimately, this may provide an opportunity for using the data in the multimodal capacity project selection process.

Electric Vehicle (EV) Readiness



- **EV Readiness Study Highlights**
 - Education + Outreach | Regulation + Opportunities
 - Access | Charging Options + Inclusive Access
 - Partnership | Infrastructure + Inventory
- **Signage for nearby EV charging stations**
 - In partnership with Virginia Department of Environmental Quality, Virginia Department of Mines, Minerals, and Energy and Virginia Clean Cities



Looking Forward: Resiliency

- **Resilience incorporated into Structure & Bridge Design Manual**
- **Updating NOAA Atlas 14 and Developing Predictive IDF Curves**
- **Initiated resiliency study with VIMS**
 - Analyzing at-risk infrastructure
 - Assessing ecosystem impacts
 - Developing proactive strategies for project development and operations management
- **Incorporating resilience into roadway design**



For today: Get involved Earth Day is April 22 |

Get out and pick up litter in your neighborhood

Snap a selfie and post with #VALoversNotLitter on social

Sign the pledge |

www.loversnotlitter.org

Litter quitters |

Kudos to VDOT, DRPT and our many local government partners for combating the litter problem and picking up trash together

We are all in this together |

Each of us need to keep Virginia beautiful

