



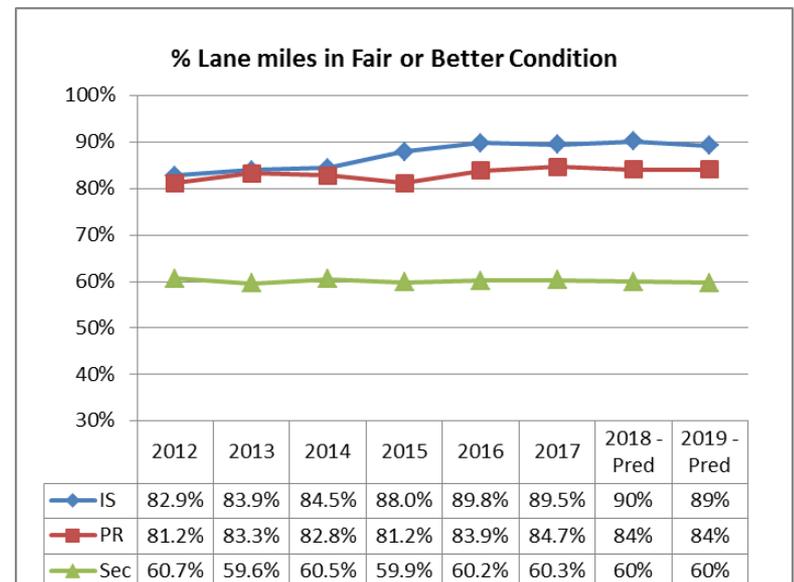
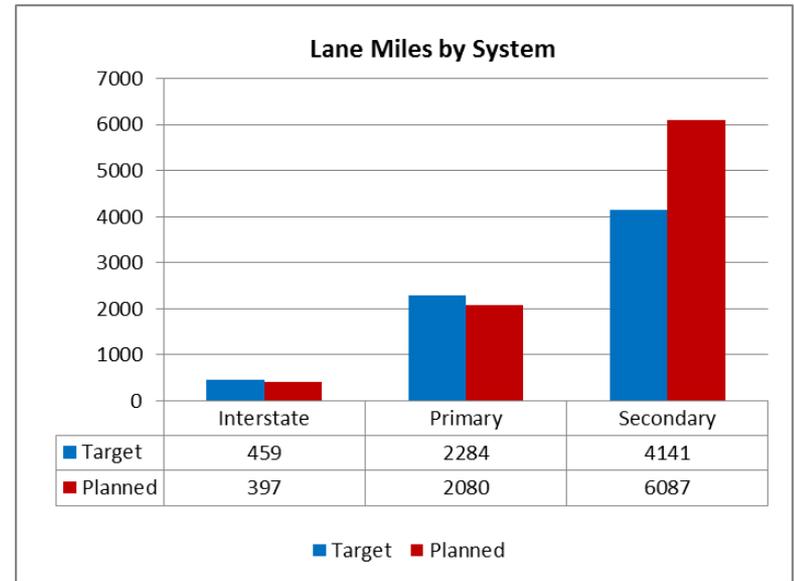
## VDOT Paving Program

2017 VAA Fall Conference - October 3, 2017

**Garrett Moore, P.E.**  
Chief Engineer

# Pavement Report for CY18 Paving Statewide: Sept. 2017

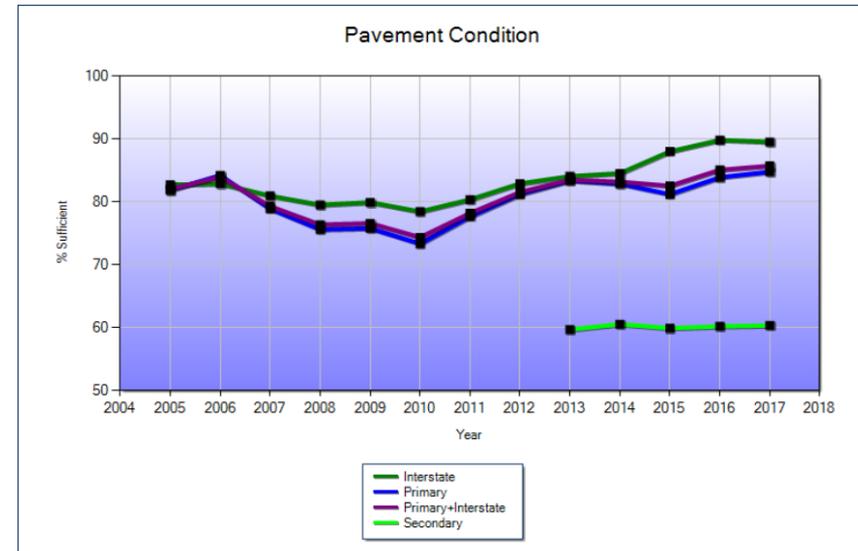
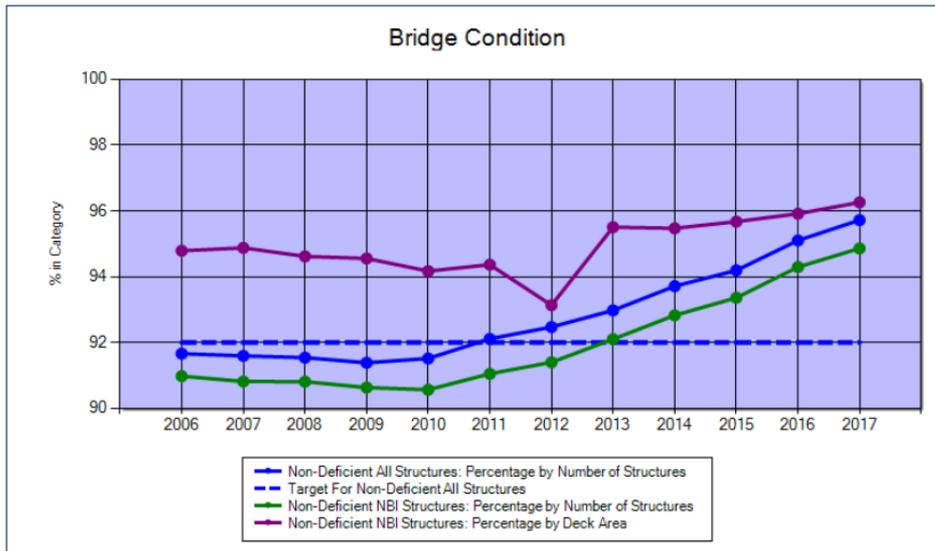
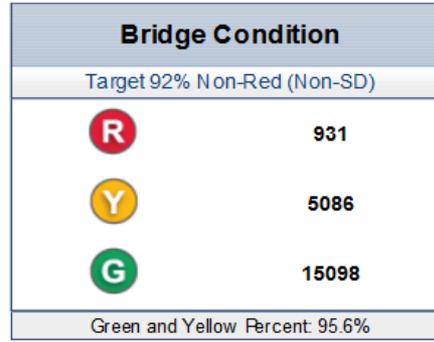
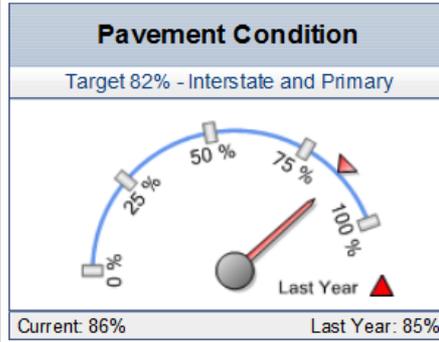
- Advertising target for paving was \$515M.
- As of current plan, 8430 lane miles will be paved in CY 18.
- Based on planned paving, the performance target is expected to be met on the interstate and primary systems, but not on the secondary system in CY18.



# Condition

District:  Counties  Residencies  Cities  
 All Districts  All Counties  All Road Systems

Overview



# 2017 Paving Contracts

**Key contract  
initiatives**



# Key 2017 contract initiatives

## 1. Used 50 gyration-based mix designs

- Used on surface mixes for all contracts in 2017
- Providing a little more asphalt binder, easier to compact

## 2. Created incentive bonus for AC binder variability

- Incentive bonus of up to 5% available for tighter variability control

## 3. Created “Method A” for in-place density acceptance

- Minimum of 5,000 vpd and 20' wide
- Uses cores for acceptance
- Incentive bonus of up to 5% available for higher quality

## Key 2017 contract initiatives

### 4. Incentive-only rideability

- Emphasis placed on identifying appropriate candidates for inclusion in VDOT's annual resurfacing contracts for 2017.
- Incentive bonus(es) available if a contractor can achieve high quality ride on routes that otherwise would not use the 'regular' rideability specification.

### 5. Joint straightness specification

- A point of emphasis placed on field construction quality for 2017.

### 6. Incentives for timely line-striping

- When VDOT gets timely pavement markings, bonus incentive provides VDOT an opportunity to invest in & help grow the line-marking industry.

# Keys for 2018 contracts

## **1. Data review and analysis of incentive payments made in 2017**

- Are the 'value' of the improvements achieved in 2017 deemed to be appropriate for the amount of incentive(s) paid?
  - AC variability
  - In-place density
  - Line-striping

## **2. Improving mix performance for subdivisions & low-volume roadways**

- Working to identify current & new mix designs that will extend the life of our lower volume roadways.
- Pilot work with SM-9.0 mixes being placed in the Richmond District during the summer of 2017 (this season).

## Keys for 2018 contracts

### 3. High(er) RAP pilot(s) in 2018

- Pilot use of high(er) RAP surface mixes, in low-volume applications, on some 2018 pavement sections.
- Will likely focus on NOVA and Hampton Roads districts to select locations for the pilot(s).
- VDOT, VTRC, and VAA to work together to develop the scope of work and desired approach.



**QUESTIONS ?**