VDOT Paving Program

2017 VAA Fall Conference - October 3, 2017

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Chief Engineer
• 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.
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).
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 ?