Draft Specification

- PCDOT has completed draft specification. This draft will be shared for input with contractor stakeholders.

- Estimated Final Specification by December 31, 2019
Draft Specification
Characteristics of Mix

• 3/8” Top Size Gradation which is suitable for 1-1.5” thick overlays
• Higher Fractured Face Requirements for Aggregates (85% two faces, 92% one face)
• 65% Index of Retained Strength Requirement
• 45% Uncompacted Voids Requirement for Fine Aggregate
• Allowance for up to 10% Natural Sand to better utilize available resources and reduce harsh mix compaction tendencies
• 4% Effective Voids Requirement
• Option to use of PG 76-22TR+ binder (tire rubber with polymer – specification available)
• Option to use fiber reinforcement (requires performance specification development)
Draft Specification

Conditions for Non-Application of Thin Lift Overlays

- High volume roads or roads with heavy truck traffic
- High severity fatigue cracking
- Rutting greater than ½” in depth (unless milled first)
- Substantial cracks greater than ¼” in width
- Where block cracking has progressed to alligator cracking
- Unrepaired full width thermal cracks
- Where permeability has cause stripping of asphalt within pavement structure
- Delamination or bleeding (unless milled first)
Draft Specification

Conditions for Application of Thin Lift Overlays

- Low to moderate traffic and truck volume
- Limited structural fatigue
- Non-structural rutting up to $\frac{1}{2}$” in depth
- Crack widths generally less than $\frac{1}{4}$” in width
- Raveled or rough asphalt surface
QUESTIONS?