Inquiring minds want to know...

- Maximizing use of recycled mat. & their effects on durability
- Tack coat application
- Binder grade adjustments
- Statistical specifications
- Other hot topics in your state...
Recycled Materials

• RAP - use KDOT project RAP (also, later slide)

• RAS

• would appreciate more definitive means to determine long-term performance (durability).
Tack Coat Application

- Tack Coat
  - Tensile Pulling Test in the Field
  - Current spec – at Engineer’s discretion

(Secret: Enforce tack BMP’s)
Binder Grade Adjustment

- MR specs (contract maint. for 2015)
- 32 projects - 15% permissible RAP
- 28 projects – 25% max RAP [bump]
- 3 projects – 40% max RAP [bump]
- 7 projects – blending chart
- * 15 projects – 3% target air voids
Statistical Specifications

- F&t/PWL specifications for almost all asphalt pavement (>500 ton and not commercial mix).
- Requires follow up to the project (system analysis).
Air Voids - PWL (Full Bonus)
as of June 28, 2011

CONTRACTOR

Percent

0.75 1.25 1.75 2.25 2.75 3.25 3.75 4.25 4.75 5.25 5.75 6.25 6.75 7.25

N 2635
Mean 4.18
Std Deviation 0.35

KDOT

Percent

0.75 1.25 1.75 2.25 2.75 3.25 3.75 4.25 4.75 5.25 5.75 6.25 6.75 7.25

N 2611
Mean 4.24
Std Deviation 0.70
Other Hot Topics in KS:

- Getting more *appropriate* asphalt binder in the mix.
- RAP Gsb
  - Currently review historical actions, but have problems when dealing with lightweight aggregate in chip seals.
  - Need better method to determine actual Gsb of RAP being milled.
The End...