











Year	WMA Tonnage	# Contracts
Pre Blanket Experimental Feature	16,202	7 contracts
2008	13,174	1 contract
2009	39,615	7 contracts
2010	37,811	7 contracts
2011	54,083	5 contracts
Totals	160,885	27 contracts



## **IDOT FUTURE OF WMA**

- BMPR Special Provision will become a BDE permissive use specification effective 1/1/2012. (4 weeks)
- Waived the requirement for field cores for Hamburg Wheel Tracking Device testing.
- All new WMA Technologies will be evaluated by "Approved Technology List" acceptance criteria.











## WHERE ARE WE GOING TODAY?

× History lesson – What have we done so far?

★ FHWA Perspective – Every Day Counts

× WMA Specification – BDE Permissive Use Spec.

## WMA SPECIFICATION Permissive use spec (BDE Inserted) for all mixes N70 and below beginning w/ January 2012 Letting. WMA Technology must be on Approved Technology List. Mix Design Verification is required for the WMA Additives only. Currently there is no reliable way to produce foamed asphalt in the lab. In addition to usual Mix Design Requirements: Includes Hamburg Wheel Tracking Device testing Min. & Max Tensile Strength Criteria

Hamburg Wh	eel Tracking	Device criteria
Asphalt Binder Grade	# Wheel Passes	Max Rut Depth in. (mm)
PG 76-XX	20,000	1⁄2 (12.5)
PG 70-XX	15,000	1⁄2 (12.5)
PG 64-XX PG 58-XX	10,000	½ (12.5)
+ M <u>in. &amp; Max <sup>-</sup></u>	Tensile Stren	gth criteria
Asphalt	Tensile Strength psi (kPa)	
Binder Grade	Minimum	Maximum
PG 76-XX PG 70-XX	80 (552)	200 (1379)
PG 64-XX	CO (44.4)	200 (1270)



9

















 Each of the two contracts shall have a minimum of 2,000 tons of MAINLINE SURFACE MIX.

×1,000 tons of HMA control section

- ×1,000 tons of WMA Technology test section
- ×Equivalent of 4 lane miles of pavement.
  - If paving a two lane road 1 mile of HMA control followed by 1 mile of WMA Technology in EACH DIRECTION.



Asphalt Binder Grade	# Wheel Passes	Max Rut Depth in. (mm)
PG 76-XX	20,000	1⁄2 (12.5)
PG 70-XX	15,000	1⁄2 (12.5)
PG 64-XX PG 58-XX	10,000	1⁄2 (12.5)
Tom WWA Permis	Sive Use Spec (effe	clive 1/1/2012)





