REPAIR AND MAINTENANCE OF GRAVEL ROADS

PURDUE ROAD SCHOOL
MARCH 10, 2004
JAY LONGENECKER
ASPHALT MATERIALS, INC.
INDIANAPOLIS, IN

ASPHALT BASED DUST PALLATIVES

COUNTY ROADS EVOLVE
- USUALLY BEGIN LIFE AS STONE OR GRAVEL

COUNTY ROADS EVOLVE
- IMPROVED
- MATERIALS ADDED
- SOFT SPOTS FIXED
- WIDENING
- CUT BERM
- DITCHING/DRAINAGE

DUST BECOMES AN ISSUE
- PUBLIC DEMANDS DUST CONTROL
  BECOMES PART OF THE MAINTENANCE OF GRAVEL ROADS

ASPHALT BASED DUST PALLATIVES
- MC’S PERFORMED WELL, BUT ARE NO LONGER AVAILABLE FOR USE AS DUST CONTROL.
TODAY’S MATERIALS

- ASPHALT EMULSIONS
- AE-PL
- DUST STAY
- DUST STOP
- DUST LAY

ASPHALT EMULSIONS FOR DUST CONTROL

- REDUCED VISCOSITY EMULSIONS
- PENETRATE THE SURFACE
- BREAK THE SURFACE TENSION OF THE DUST
- BIND THE DUST PARTICLES TOGETHER

PREP WORK

- ADD MATERIAL IF REQUIRED
- GRADE
- COMPACT
- CUT BERM

APPLICATION

- SHOOT AT ½ GALLON PER SQUARE YARD.
- CONSULT YOUR LIQUID REPRESENTATIVE FOR CORRECT APPLICATION RATE
APPLICATION LIMITS

- GOOD WEATHER
- ROAD SHOULD BE DRY, MAYBE DAMP
- WARM 50 DEGREES AND RISING

PROPER APPLICATION

- WILL RESULT IN DUST SUPPRESSED FOR THE SEASON
- WILL LOWER MAINTENANCE NEEDED
- FEWER POTHOLES
- LESS WASHBOARDING