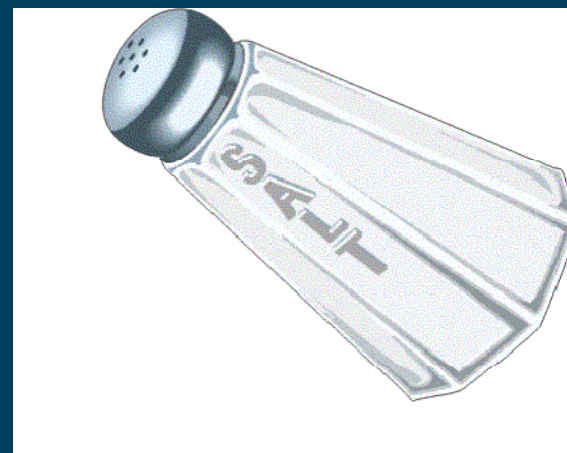
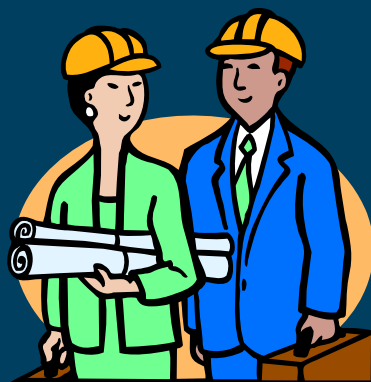




MnDOT State Aid Update



Julie Skallman
Division Director
MAAPT Conference – December 7, 2011

Your Destination... Our Priority



Material Control Schedule

- ▶ MnDOT – SALT Material Control Schedule for Low Volume Roads
 - Will apply to State Aid Projects only
 - 1500 ADT and lower
 - Trails
 - Applicable to 2012 Construction Season
 - Provides Engineer More Control over Material Quality Control/Assurance



Material Control Schedule

- ▶ Technical Advisory Panel Members
 - City Representative
 - County Representative
 - MnDOT
 - Materials
 - SALT
 - Construction
 - Minnesota State University – Mankato
 - FHWA



Material Control Schedule

- ▶ Higher Risk Material
 - Bituminous, Concrete, Grading & Base
 - Testing Rates Remain Similar to MnDOT's
 - Cost of Failure Remains High
- ▶ Lower Risk Material
 - Erosion Control, Silt Fence, Miscellaneous
 - Remove Sampling if on Approved or Qualified Products List
 - Cost of Failure is Low



Material Control Schedule – Bituminous

- ▶ Remains the same as MnDOT except:
 - Asphalt Binder Sampling as Directed by Engineer
 - Shall be a Certified Supplier
 - Asphalt Emulsion Sampling as Directed by Engineer
 - Shall be a Certified Supplier



Audit Findings



- ▶ Bituminous Related Items
 - Continues to get Better Every Year!!
 - Verification Sample
 - Random
 - Picked by Agency not Contractor
 - Quality Control
 - Reduced Payment if not meeting QC
 - Future: Redo Work
 - Gradation
 - Riding Edge of Gradation Range
 - MnDOT Spec 1503



State Aid Forecast

- ▶ Plan on Similar Program Next Year
- ▶ Will Know More by end of December
- ▶ Appropriations – End of January



Safety Edge

- ▶ Improves pavement density at edge
- ▶ Stronger interface between pavement and graded material
- ▶ Eliminates “tire scrubbing”
- ▶ Less raveling at pavement edge



Safety Edge



- ▶ Initiated from County Safety Committee
- ▶ Continue to use
 - Gain Experience
- ▶ Currently – Best Practices
- ▶ Future – Tech Memo



Technical Memorandum 10-SA-02

- ▶ Specification 2360 – Plant Mixed Asphalt Pavement – Design Guidelines
 - Effective August 2010
 - All State Aid and Federal Aid projects
 - Follow Established Best Design Practices
 - Information for Appropriate Choice of Bituminous Mixture and Asphalt Binder Grades
 - Reduce Bituminous Specification Ambiguities
 - Any Modifications to Spec have to be Pre-Approved by DSAE



Questions?

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