

# SPECIFICATION CHANGES IMPACT ON CONTRACTORS





# HOT MIX ASPHALT -PRIME COAT (BDE) Effective: Nov. 1, 2014





# Major Changes

- More Extensive Pavement Cleaning Requirements
- Revises Application Rates
- Allows Use of Spray Paver
- Allows Additional Asphalt Emulsions
- Eliminates the Requirement to Dilute Emulsions
- Bases Application Rate on Residual Asphalt
- Payment Based on Weight of Residual Asphalt



### Sweeping

- This has been the standard of pavement cleaning for quite some time.
- Sweep behind the mill for initial cleanup
- New spec requires sweeping again to remove larger particles ahead of the priming operation





### **Air Blasting**

### Sophisticated

#### Basic







### Issues associated with Air Blasting:

- Not suitable for urban use
- PPE required for workers
- Traffic Protection
- Potential for increased liability claims
- INCREASED RISK!!





### **Vacuum Sweeper**





### Presently there are a limited number of vacuum trucks available for use.





- INITIAL COST: +/-\$250,000
- Two major manufacturers
- 4 6 month lead time if ordered today
  - LIMITED AVAILABILITY





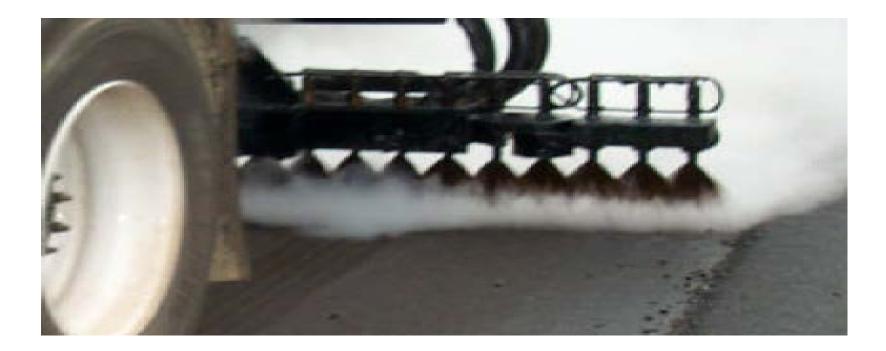
 The models available are not capable of offloading into another truck leading to an increase in handling costs.





## **Application Rate**

#### Is our reliable old prime truck still going to do the job?





# **Application Rate**

#### **Potential Issues:**

- New Nozzles?
- Changes to computer system?
- Would increased material demand require more storage?







### Spray Paver





## Spray Paver

- Limited Availability
- Initial Cost +\$650,000
- Limited Function
  - Some Models can only be used with MTD
  - Limited amount of onboard prime storage





## Other Factors to Consider

- Bituminous Tack Coat is now a controlling item, and could add several days to the contract. Are these being considered or do we need to include liquidated damages?
- Mill and fill projects are more difficult to complete because of added time for the material to break.





### **OTHER FACTORS TO CONSIDER**

- Lane restrictions
- Night work
- Cooler Temps
- Expedited Work Schedule
- Reduced Production
- If production is cut in half over what would have been achievable under the old spec, you will see an increase in the unit price of 20 – 25%
- What is a safe production rate?
- Liquidated damages???





### **OTHER FACTORS TO CONSIDER**

 If pickup occurs paving shall cease in order to provide additional cure time, and all areas where the pickup occurred shall be repaired.





### **OTHER FACTORS TO CONSIDER**

- A Contractors least favorite three words " Paving shall cease"
- At a production rate of 250 tons / hour idle labor, equipment and haul trucks
  = \$100 - \$125 per minute.





 I don't believe anyone has an issue with the new prime spec as far as its affect on the finished product it certainly helps us achieve a better product, but as you can see there are many things to consider as one bids work with new specifications



