

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

Pavement Cleaning

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



Pavement Cleaning

Air Blasting

Sophisticated



Basic



Pavement Cleaning

Issues associated with Air Blasting:

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



Pavement Cleaning

Vacuum Sweeper



Pavement Cleaning

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



Pavement Cleaning

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



Pavement Cleaning

- 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



