

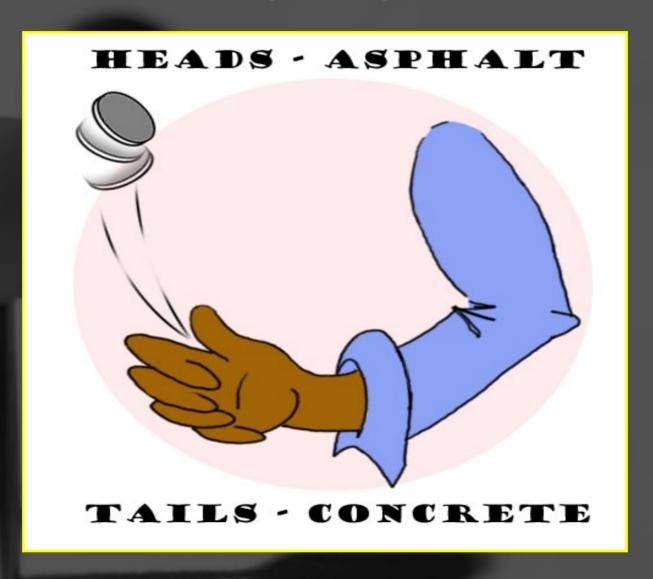
Hatfield-McCoy Feud

Dispute between the Hatfields (West Virginia) and the McCoys (Kentucky) began in 1878 after a dispute about the ownership of a hog



Hatfield Clan (1897)

Kentucky Style?



Kentucky Style?



Kentucky Style?



"Kentucky Style"

Disclaimer

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- Process is underway but far from finished
- Results from alternate bid projects will be evaluated
- The policy will continue to evolve

Presentation Outline

- 6 P's of Pavement Type Selection in Kentucky
 - Past
 - Present
 - Process
 - Policy
 - Politics
 - Projects

Outline

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Kentucky's Pavement History

- Kentucky is generally a rural state where asphalt has always been the preferred pavement type
 - Roughly 95% of paving dollars in Kentucky spent on asphalt bid items
- Over 130 asphalt plants serving all 120 counties
- Small handful concrete paving contractors

Old Policy

- Old policy was implemented in June 1999
- Provided general guidance but lacked specifics
- 40-year analysis period
- Recommends Rehabilitation Cycles for Asphalt and Concrete (PCC) Pavements
 - 10-year resurfacing cycle for asphalt
 - 40-year with only cleaning & sealing joints on PCC at years 15 and 30

Old Policy Continued...

- High-volume projects utilize more detail and sophisticated analysis techniques than lower volume roadways.
- The 1999 Policy resulted in the selection of asphalt pavement in most instances
- Concrete pavements typically did not "win" in the policy & process but were selected for other reasons

History of ACPA in KY

- In 2000, the American Concrete Pavement Association formed a local chapter in Kentucky with the stated goal of taking 25% of the market share from the asphalt industry
- Hired staff and lobbyists to aggressively promote the use of concrete pavements

Past Alternate Bids

- Given the pressure from the concrete industry, Kentucky pursued a few alternate bid projects
- From 2000 through 2005, Kentucky let 5 alternate bid projects (with pavement warranties)
- 4 of the 5 projects went asphalt

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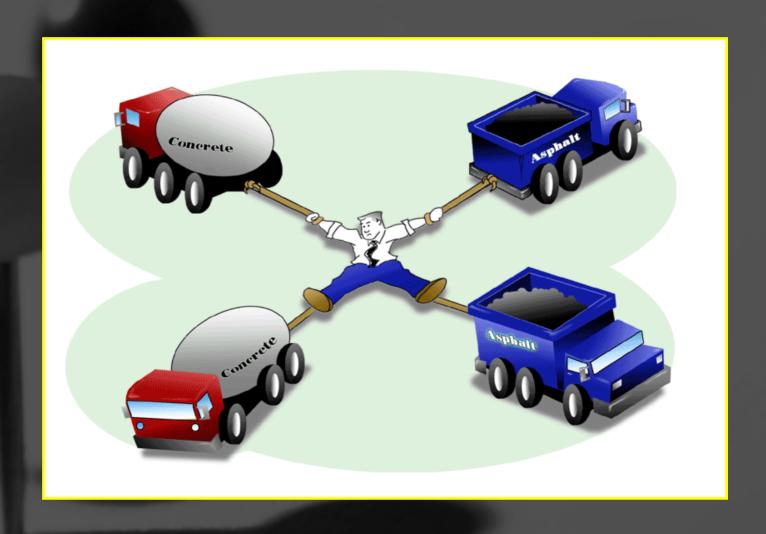
Present Climate in KY

- New Governor/Administration
- New Transportation Cabinet Officials
- New ideas

PTS Process

- Changes in the Governors office (and party) resulted in all new appointed officials in the Kentucky Transportation Cabinet
- Concrete industry ramped up it's efforts to influence new Cabinet officials
- Ongoing meetings and discussions with both industries resulted in a decision to reevaluate the existing policy

Tug of War Begins



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PTS Process Continued...

- In the Fall of 2005, the Kentucky
 Transportation Cabinet assembled the following groups to review and revise it's policy
 - Federal Highway Administration (FHWA)
 - University of Kentucky Transportation Research Center at UK (KTC)
 - Asphalt Industry (PAIKY)
 - Concrete Industry (KCPA)
 - Kentucky Transportation Cabinet (KYTC)

Head-to-Head Meetings

- First time both industries were asked to be in the same room at the same time
- KYTC utilized a professional facilitator
- Both Industries made presentation on their issues and/or concerns
- Opposing industry had the opportunity to ask questions of the opposing industry

KYTC Draft Policy

- KYTC, KTC, and FHWA had already developed a draft PTS policy but did not provide that information to the industries at that time
- Wanted to get industry input before releasing first draft of new policy

Asphalt Industry Input

- Policy Issues
 - Initial Cost
 - Life Cycle Cost
 - Rehab Cycles
 - Bid Adjustments
 - Smoothness
 - Skid Resistance
 - Noise
 - Bidding Units

- Design Issues
 - Speed of Construction/Traffic Control
 - SubgradeStrength
 - Break & Seat Vs.Rubblization
 - Thickness Design

Concrete Industry Input

- Kentucky does not have a healthy "two pavement" system
- Concrete creates competition and lowers asphalt prices
- LCCA should be the one and only factor in pavement selection
- When the LCCA is close (within 10%) alternate pavement types
- The Transportation Cabinet has an obligation to "insure that the smaller industry survives."
- Revert back to AASHTO 93 for thickness design

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Draft Policy Released

- Draft Policy Released to Industry in December
- Applies to new construction or rehab of Interstates, Parkways, routes with more than 5 million ESALs
- Division of Design provides analysis and data – Commissioner of highways makes final decision

Pilot Projects

- In addition to the draft policy, KYTC provided details and designs for the 3 projects that they plan to "test drive" under this new policy
 - Interstate widening and rehab of I-65 near the Tennessee State Line
 - Extension of the Breathitt Parkway in Western, Kentucky
 - Construction of a bypass around the city of Shelbyville

Follow-up Policy Meeting

- The same group met again in December to discuss the draft policy
- The highway Commissioner addressed the issues (one by one) brought up by industry in the previous meeting and provided a response/justification of their position on that issue
- Asked Industry to present follow-up comments regarding the policy and projects

Asphalt Industry Response

- Excessive Pavement Thickness
- Bid Adjustments
- Ride Quality
- Pavement Rehabilitation Cycles
 - Asphalt is stuck on a 10-year resurfacing cycle despite Superpave, polymer modified Binders, MTV's, etc.
 - Concrete assumes some patching and grinding in years 15 and 30 but there is no true rehab in the 40-year analysis

Concrete Industry Response

- The concrete representative read a prepared statement/letter criticizing the Transportation Cabinet and their process
- As similar letter was faxed to the Governors office that day
- The felt as if their suggestions were not considered in the process and that the outcome was not fair to their industry

Final Policy

- Signed by the FHWA and KYTC in late February
- FHWA letter allows this policy and projects to utilize the Special Experimental Project No. 14 on a programmatic basis for federally funded projects
- FHWA request that the policy be re-evaluated after one year

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Politics

- Concrete industry letter to Governor's office created a stir
- The Transportation Research Center at the University of Kentucky has been asked to evaluate the projects and policy after the three test projects have been awarded
- Attempted "asphalt-only" language for federal interstate projects in the state budget bill

Response to Budget Language

KENTUCKY GENERAL ASSEMBLY

Loss of federal dollars may doom asphalt-paving requirement

By Tom Loftus tloftus@courier-journal.com The Courier-Journal

FRANKFORT, Ky. - A House budget provision that would require using asphalt instead of concrete for interstate construction projects in Kentucky appears dead because it puts R-Burkesville, said he wants the Senfederal highway dollars at risk.

In a letter sent Friday to the Transportation Cabinet, the Federal Highway Administration said the single sentence added to the budget "will ieopardize the federal-aid funding of ON THE WEB all Interstate projects in Kentucky."

Rep. Rob Wilkey, chairman of a House budget subcommittee that initiated the amendment, said yesterday that "we need to take it back out" if it ieopardizes the federal money.

Senate President David Williams. ate to remove the provision.

"I don't think that language is appropriate," Williams said. "That's a professional engineering decision that the legislature ought not be in-

Find full coverage of the session, reader forum and lawmaker contact information at courier-journal.com/legislature.

volved in."

The highway administration letter said that requiring one type of surface for interstate projects violates a federal regulation that says the surface must be selected on each project based on safety, durability and cost.

During a four-hour meeting March See ASPHALT, B2, col. 3

3, the House budget committee made hundreds of changes to the budget proposed by Gov. Ernie Fletcher - including the single sentence added to Page 178 of the 541-page bill to require asphalt on federally funded interstate projects.

Wilkey, D-Scottsville, said at the meeting that asphalt "seemed to be a preference" of the cabinet and local governments.

The provision was added, he said,



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Pilot Projects

- All three projects will utilize "bid adjustments" which penalize the asphalt bidder
 - Kentucky has had warranties in the past but never bid adjustments
 - Bid Adjustments are calculated as the difference in future maintenance costs
- Ride standards are NOT equal asphalt is held to a higher standard than concrete

Breathitt Parkway

- 2-mile extension of an existing parkway in western, Kentucky
- \$175,000 bid adjustment (penalty)
- 12" PCC thickness versus 14.25" of HMA (40 Million ESALs)
- Advertised for the March 31, 2006 highway letting (this week)

Shelbyville Bypass

- New construction of a bypass around Shelbyville
- \$471,000 bid adjustment (penalty)
- 10" PCC thickness versus 14.75" of HMA (7 Million ESALs)
 - CBR=2... no subgrade stabilization
- Advertised for the March 31, 2006 highway letting (this week)

I-65 in Simpson County

- 6-mile rehabilitation and widening of I-65
- \$420,000 bid adjustment (penalty)
- 11" PCC thickness versus 14" of HMA on rubblized PCC (87 Million ESALs)
- Adjacent section had an 11" HMA overlay with a 10-year warranty
- Expected in the April Letting

Policy Evolution

- Following the lettings for these three projects, KYTC will reevaluate the policy
- The Kentucky Transportation
 Center at UK will be involved in the review
- Per the FHWA, the policy will undergo another evaluate in a year

Wrap-Up

- Kentucky made a quick attempt to revise the Pavement Type Selection policy
- Both industries have serious concerns
- What will the future hold?
- Stayed tuned for the results of these three projects...

