

Pavement Type Selection

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Overview of Pavement Type Selection

- **Components of Agency Processes**
 - Selection of alternatives
 - Structural design
 - Economic Analysis
 - Primary/Secondary Factors
- **Contractor-based processes**
 - Alternate Bidding
 - Design Build
 - Long Term Warranty
 - Other (PPP, Value Engineering, BV Contracting, Contract Maintenance)

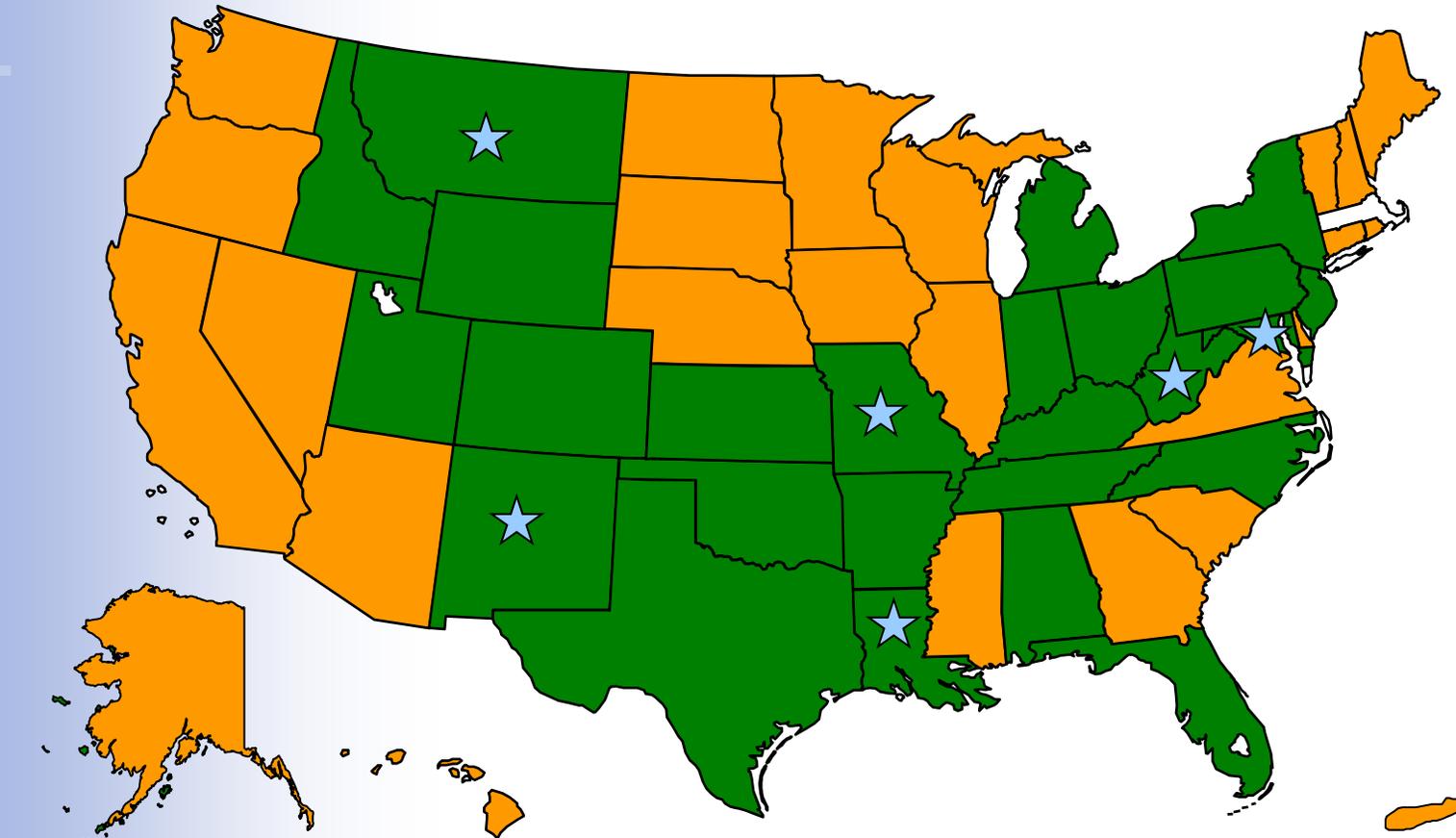


FHWA Memo on Alternate Bidding

- Issued November 13, 2008
- Clarifies and consolidates FHWA policy
- Applies to Federal-aid on the NHS
- Alt Bidding is “not encouraged”
- However, many states are doing it....
 - Equivalent designs
 - Discount rate
 - Uncertainty
 - Rehabilitation strategy
 - Subjective factors
 - Commodity price adjustments
 - I/D provisions
 - Materials quantities
 - Approval process



Alternate Bidding Usage



- State has advertised at least 1 alternate bid job
- State has not utilized alternate bidding
- State did not reply to survey

FHWA Next Steps

- Reviewing state experience with alternate bidding – SEP 14 reports
- Identifying key issues that need to be addressed
- Have identified 4 issues



Issue #1

Issue: States may not be taking enough steps in their design process to ensure that sound engineering and economic principles are considered in their pavement type selection decision.

Response: Issue PTS guidance and provide technical assistance.



Issue #2

Issue: More states are using alternate bidding, but FHWA's position is still to "not encourage" its use.

Response: New guidance will recognize alternate bidding as viable option for pavement type selection.



Issue #3

Issue: Use of alternate bidding needs to be done under SEP-14, requiring approval by FHWA.

Response: FHWA proposes to “graduate” alternate bidding to an accepted practice.



Issue #4

Issue: Alternate bidding practice varies across the country, some approaches do not provide a competitive bidding environment

Response: FHWA proposes to issue consider additional guidance to recommend best practices for alternate bidding to provide a competitive bidding environment

