Asphalt Pavement Evaluation and Preservation



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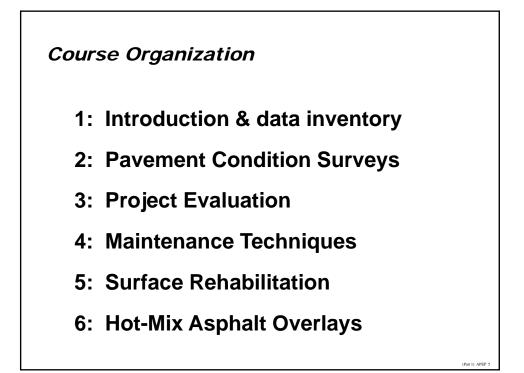
## Introduction

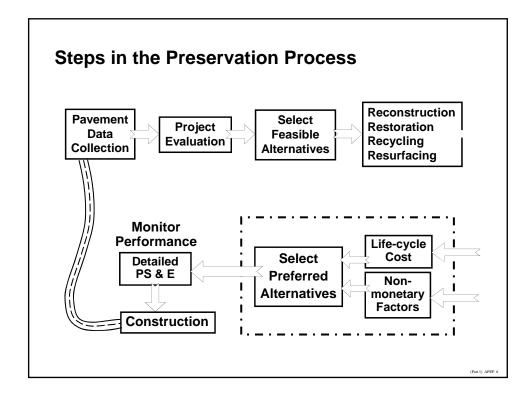
Rehabilitation

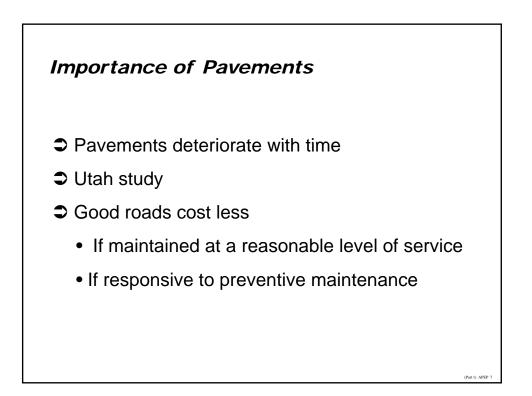
- Traffic loads / volumes
- Aging pavement system
- Limited financial resources

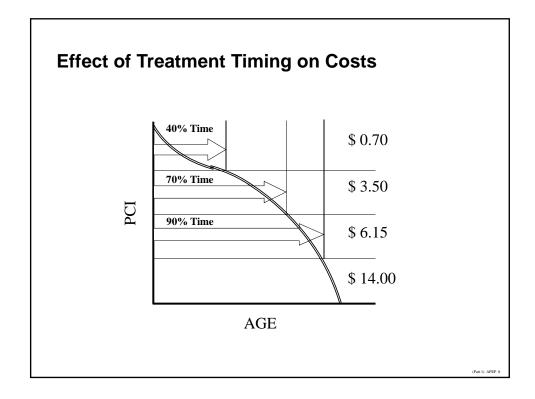
Need for training in rehabilitation

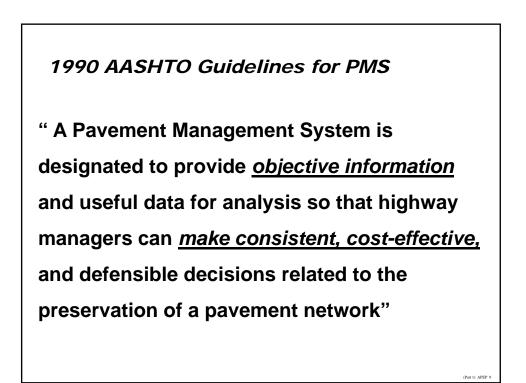
- More difficult than new design
- Technology advancing rapidly







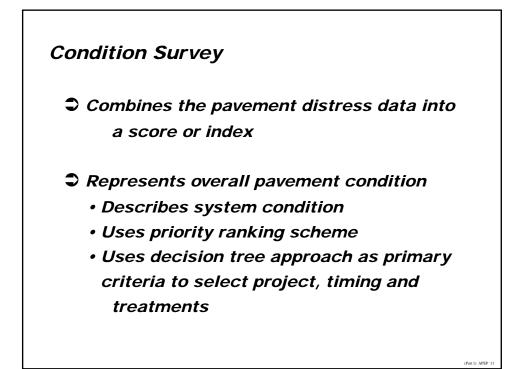




## Four Activities

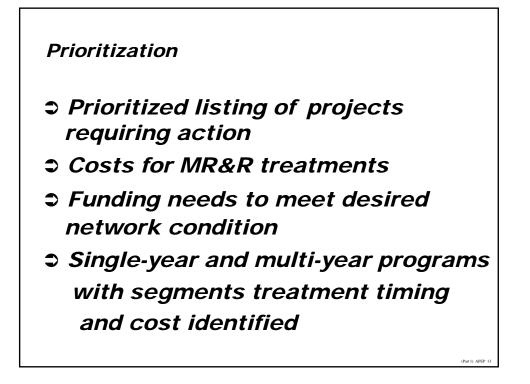
⇒ Inventory

- Construction, maintenance and rehabilitation history
- Traffic
- Pavement condition survey
- Project prioritization
- Budget development



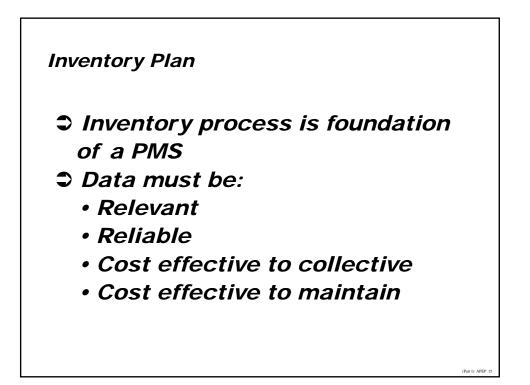
## Condition Survey Outputs

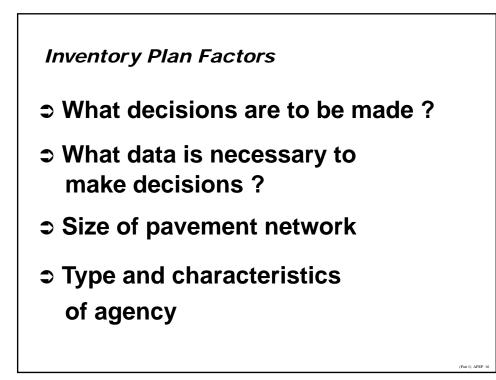
- Ranking of pavement segments by condition index
- Identification of MR&R strategies and timing for individual pavement segments
- Estimate of funding needs for selected treatments

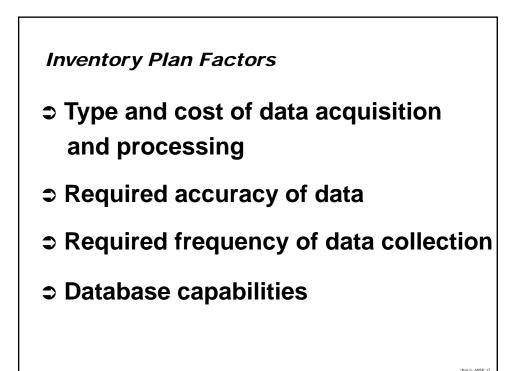




- **C** Provide an estimate of budget requirements
- Characteristic At prescribed levels of performance
- Primary objective is to provide information for specific pavement segments:
  - Preferred MR&R for each project
  - •MR&R costs
  - •Expected MR&R performance







Two Important Rules

*Collect only the data you need !* 

Collect the data only when you need it !

Typical Data Element

Pavement

- Location
- Geometry
- Pavement Structure & History
- Traffic

**Pavement Condition** 

Additional Data Elements

Drainage information

*Geographical / environmental classification* 

Proposed work / work-in-progress

Other information

**Defining Sections** 

**The length or size of sections** will determine volume of data to be collected

Large sections

Small sections

Section requirements



- **Change in pavement type**
- Change in pavement structure
- ⇒ Change in traffic
- Boundary between previous construction
- Change in subgrade
- Geographical of political boundaries
- Change in pavement condition

