

## **Bridge Chapter Outline**

- 1. NBI data with nationwide summaries and where Texas stands (6/24/08)
- 2. Federal funding (6/24/08)
- 3. TxDOT data and report on needs (6/24/08)
- 4. TxDOT unit costs for rehab and replace (7/24/08)5. Future needs framework (8/21/08)
- 6. Deterioration models and thresholds for rehab and
- replace (8/21/08)
  Expansion factors and mobility needs
- 8. Results

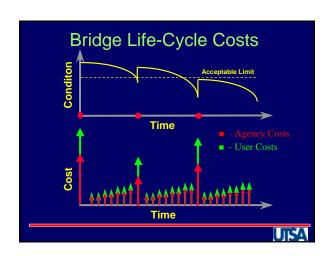


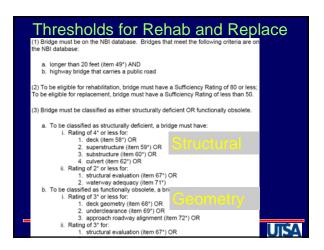
## Future needs framework

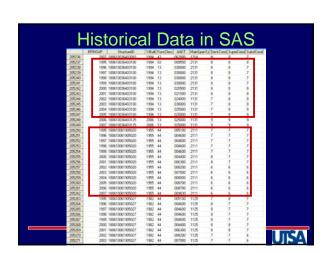
- User Costs Drive Expansion
  - Travel Time
  - Vehicle Operating Costs
  - Accidents
  - Environmental
- Agency Costs
  - Maintenance
  - Rehabilitation
  - Replacement
  - Expansion

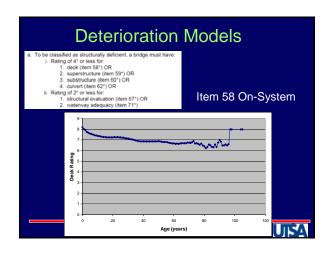


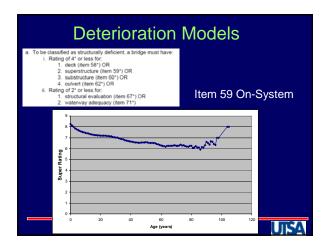


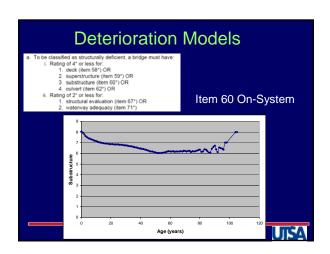


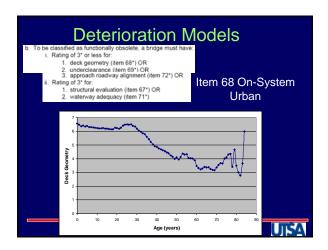


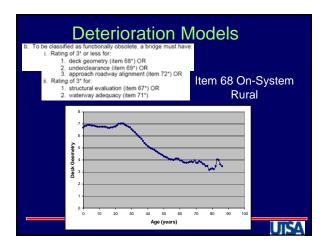












## **Future Developments**

- Develop future needs for existing bridges
- Integrate with mobility analysis (expansion factors)

