

# Highways for LIFE

Accelerating the Adoption of  
Innovation

- Virginia Concrete Conference

March 9-10, 2006

Holiday Inn Koger South

- Conference Center

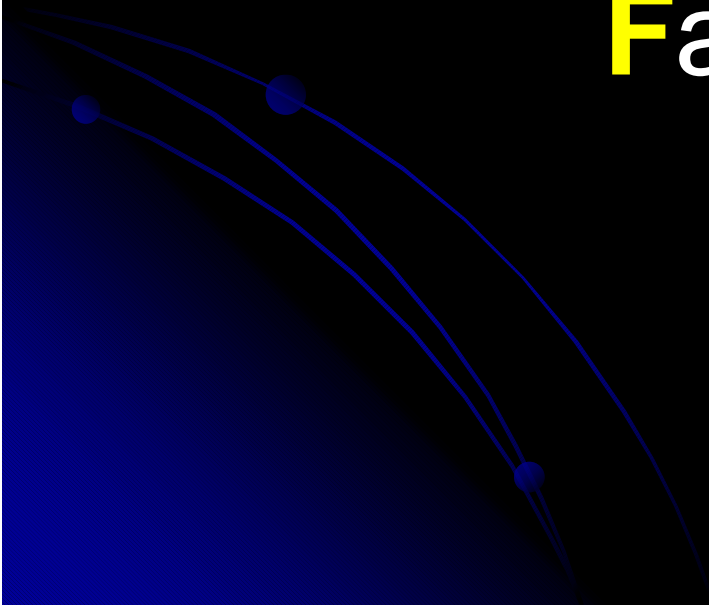
# Highways for **LIFE**

**L**ong lasting

**I**nnovative

**F**ast construction

**E**fficient and Safe



# Why **L**ong Lasting?

- 70% increase in freight tonnage to between 1998 and 2020
- 90% of urban Interstates expected to approach/exceed capacity by 2020
- Aging Interstate system... 1/3 in fair or poor condition

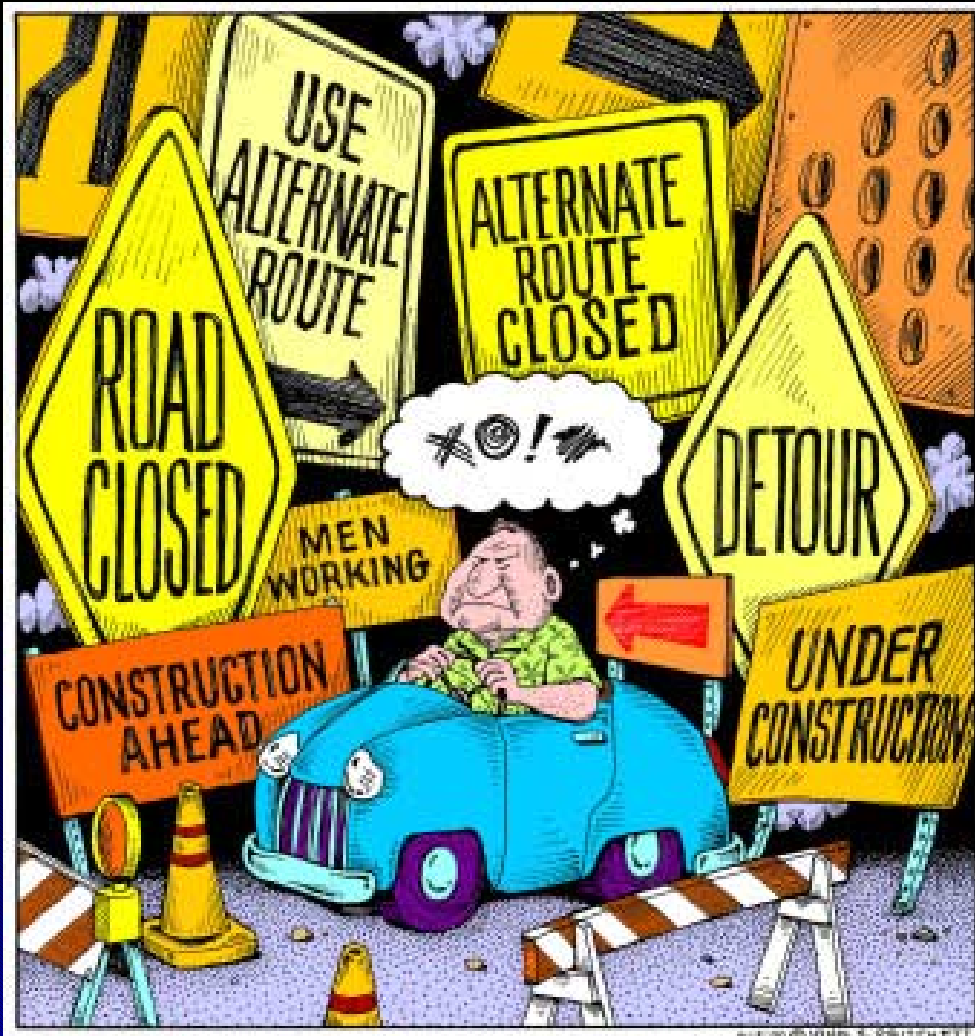
# Why **I**nnovations?



***“Taking advantage of innovations that are already out there is the key”***

***DOT Secretary Norm Mineta, 4-15-04***

# Why **F**aster?

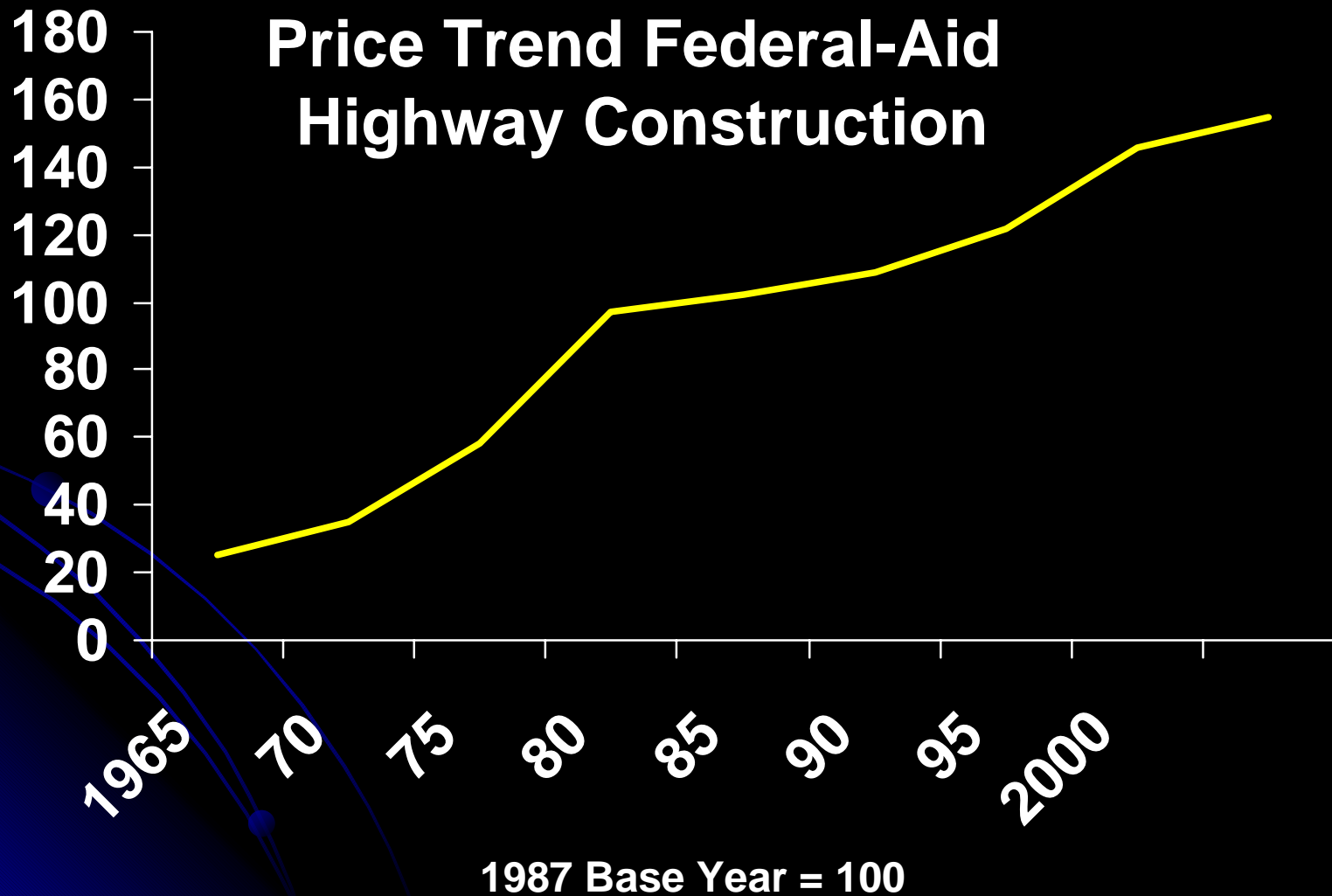


Our customers  
have told us:

**We take too long  
to do our job!**

**Get in, stay in,  
get out, stay  
out!**

# Why **E**fficient?



# Why Safe?

- **43,220 deaths**
- **2.89 million injuries**
- **6.3 million crashes**
- **Fatality rate 1.48 deaths/hmvm**
- **\$230.6 billion or \$820/person**

# Highways for **LIFE**

Long lasting

> **Better**

Innovative

Fast Construction > **Faster**

Efficient and Safe > **Less Cost**

**We must have all three!**



# Highway Community Paradigm

I can build it faster, but it will cost more and the quality may suffer

or

I can get better quality, but it will cost more and may take longer

versus

# Private Industry Paradigm

**Better**  
**Faster and**  
**at Lower Cost**

Examples: computers, televisions, automobiles



# Highways for **LIFE**

“To widely demonstrate a dramatic improvement in the American driving experience”

- **Improve safety**
- **Reduce construction congestion**
- **Speed construction**
- **Improve quality**
- **Save money**

# Highways for **LIFE** SAFETEA-LU

- Projects
- Technology Partnerships
- Technology Transfer
- Information Dissemination
- Stakeholder Input and Involvement
- Monitoring and Evaluation
- \$15 M in 2006, \$20 M in 2007-09

# Highways for **LIFE** SAFETEA-LU

## Projects

- Max. of \$5M/project and/or waive match
- Max. of 15 funded projects/yr
- Performance Goals for
  - ✓ Safety
  - ✓ Construction Congestion
  - ✓ Quality
  - ✓ Time
  - ✓ Cost Effectiveness

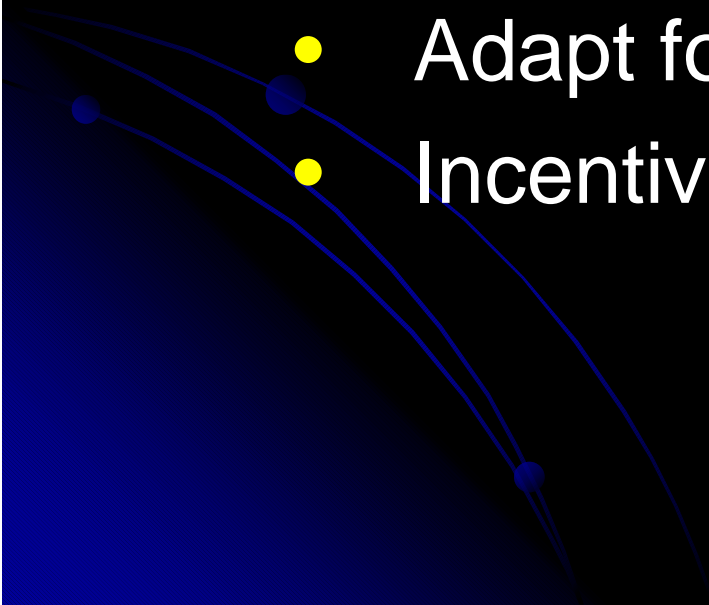
# Highways for **LIFE**

Projects > > **Performance Goals**

- Safety, Construction Congestion, Time, Quality, Cost Effectiveness
- Highway motorist/user focused, “Customer Satisfaction”
- All apply
- “What” not “how”
- “Best” not “average” performance
- Stakeholder input

# Highways for LIFE SAFETEA-LU

## Technology Partnerships

- Proven success  
*Highway industry, other industries or Internationally*
  - Adapt for routine highway use
  - Incentive funding
- 

# Highways for **LIFE** SAFETEA-LU

## Stakeholder Input and Involvement

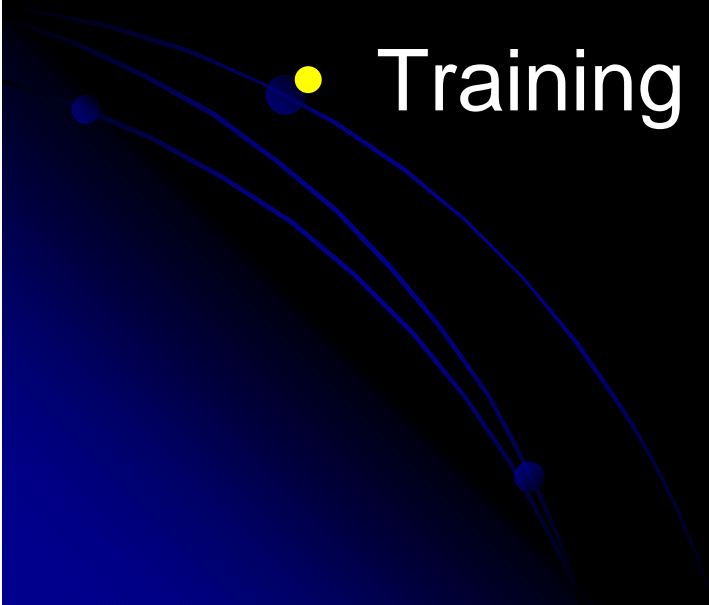
*States, Industry, Highway Users*

- Inform and Involve
- Help determine “How”
- Support in the implementation
- Build Projects
- Form partnerships
- Sustain the change



# Highways for **LIFE** SAFETEA-LU

## Technology Transfer

- Market innovations to highway practitioners and managers
  - Introduce and deliver innovations
  - Training and technical assistance.
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# Highways for **LIFE** SAFETEA-LU

## Monitoring and Evaluation

- Gather information on program elements
- Improve performance
- Document results and benefits
- Explain the investment

# Highways for LIFE SAFETEA-LU

## Information Dissemination

- States, Industry, Public, FHWA
  - Highways for LIFE
    - ✓ Program
    - ✓ Projects
    - ✓ Success stories
    - ✓ Innovations
    - ✓ Benefits
- 

# Highways for **LIFE**

*The Future is Now*



[www.fhwa.dot.gov/hfl](http://www.fhwa.dot.gov/hfl)

# Highways for **LIFE**

*We can build better, faster  
and lower cost highways*

*Leap... not creep*

[www.fhwa.dot.gov/hfl](http://www.fhwa.dot.gov/hfl)