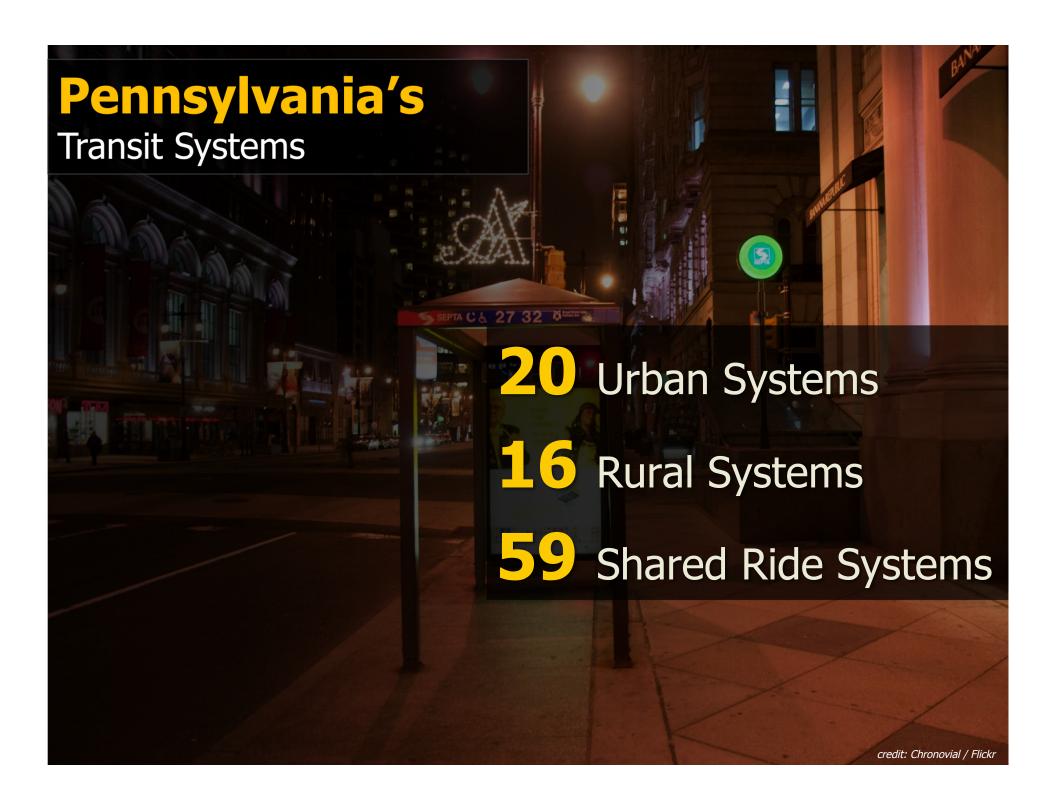


### Pennsylvania's

Highway System

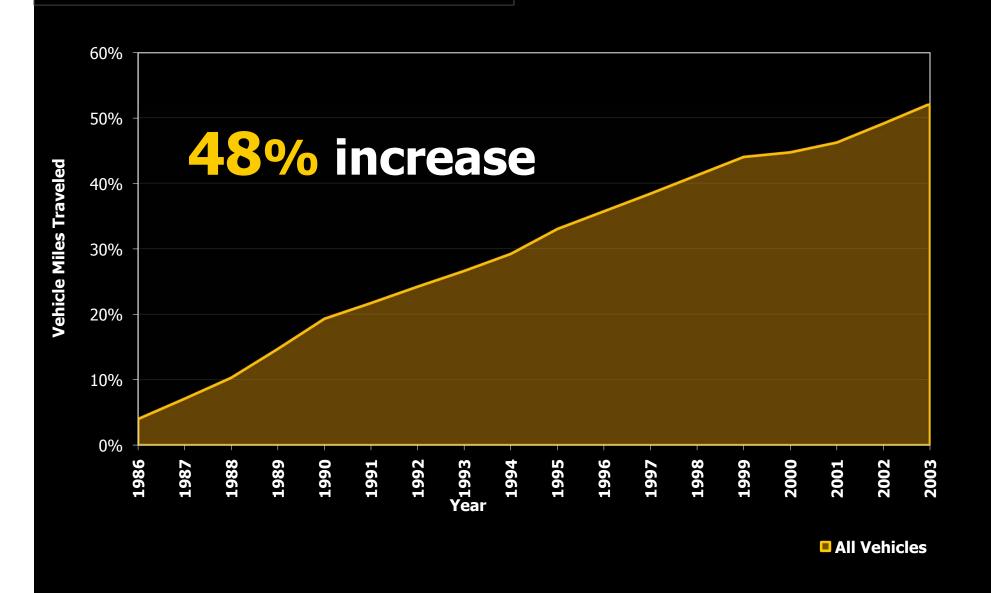






### Pennsylvania's

Traffic Growth

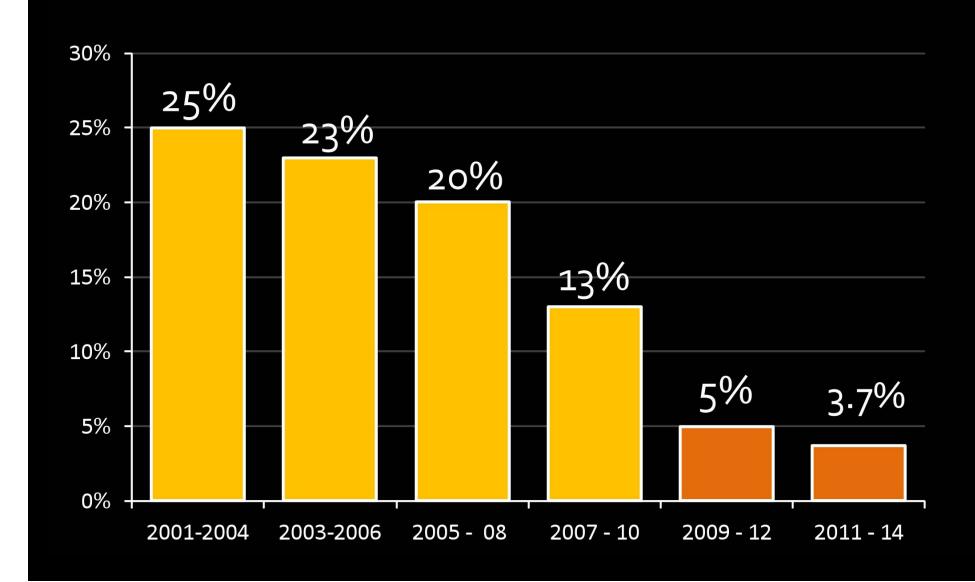




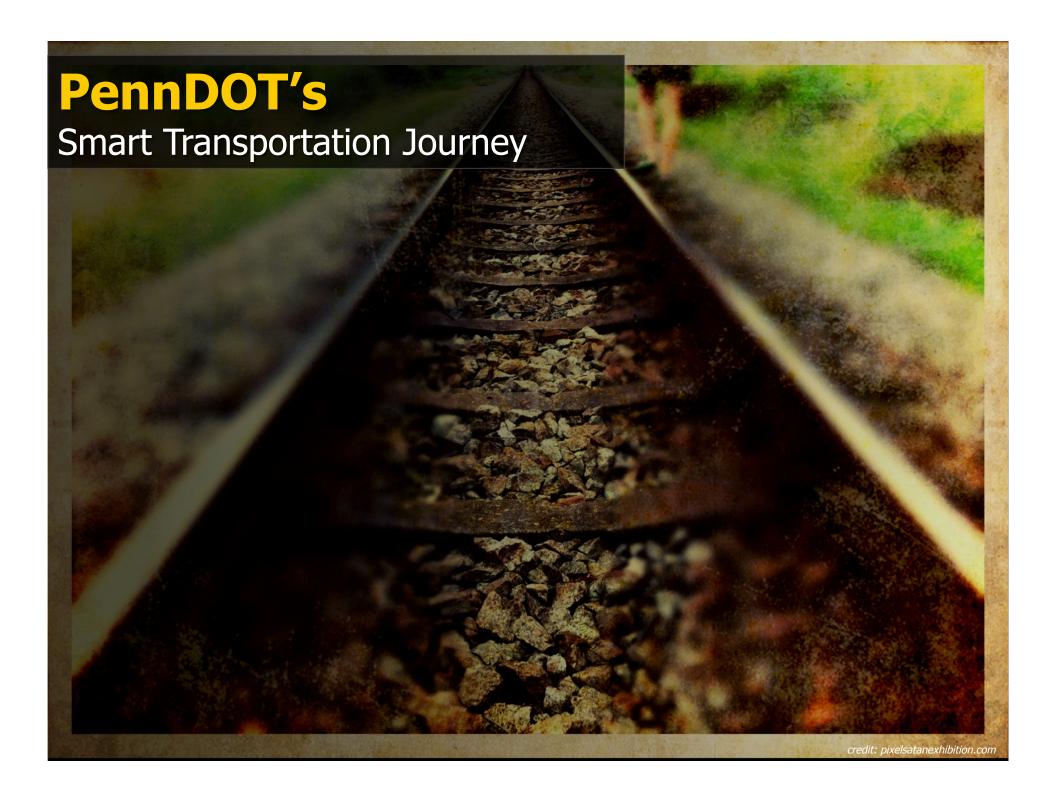


### **Capacity Adding Projects**

as percentages of total program







## **Smart Transportation**

Outreach

- DOT
- State agencies
- Municipalities
- State and local elected Transit agencies officials
- Developers
- Consultants

- Planners
- **Engineers**
- Community leaders
- Alternative transportation advocates

## Suburban

growth



## Suburban

growth



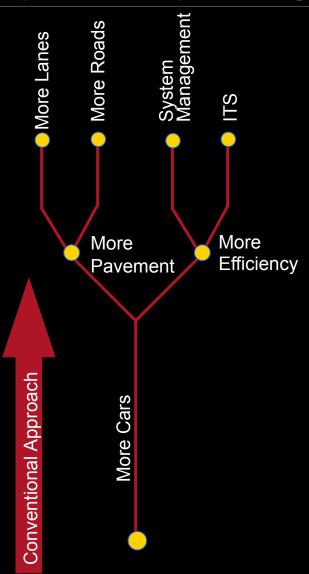
# Suburban growth



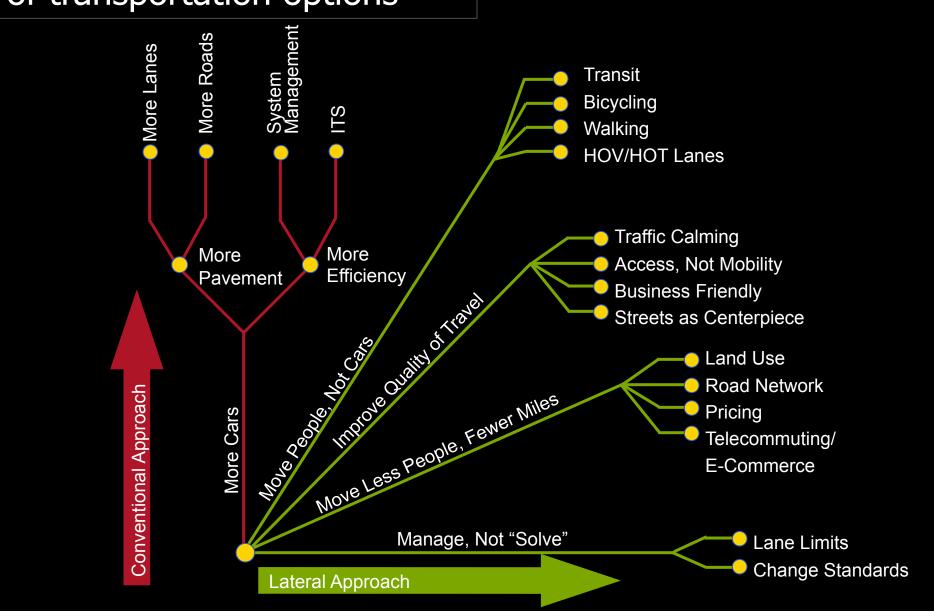


### **Conventional Approach**

to transportation planning

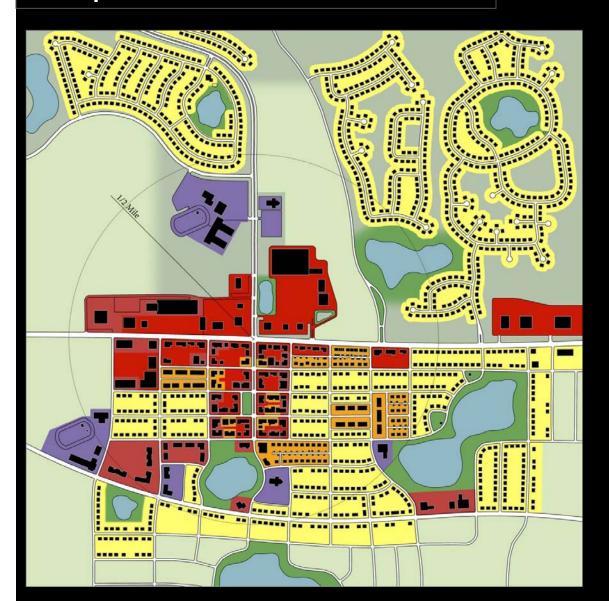


## A full View of transportation options



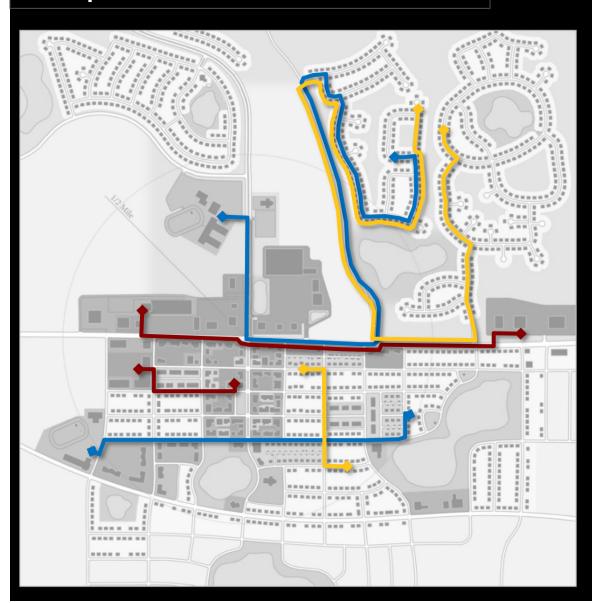
## **Daily Trips**

compared



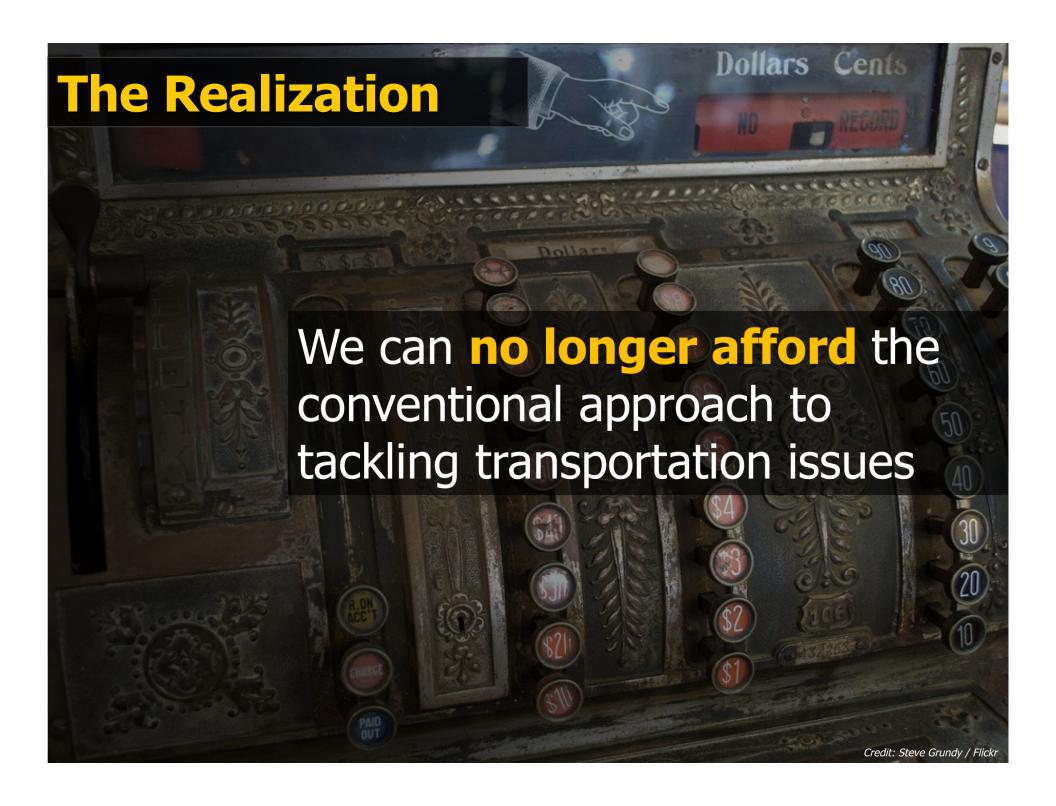
## **Daily Trips**

#### compared



#### **Daily Trips Compared**

- ◆ From home to school
- From work to a restaurant
- Visiting a friend's house



## Department **Focus Areas** Infrastructure Preservation Safety Maximizing Technology to better manage transportation Linking Land Use and Transportation credit: Kristin Crane / Flickr



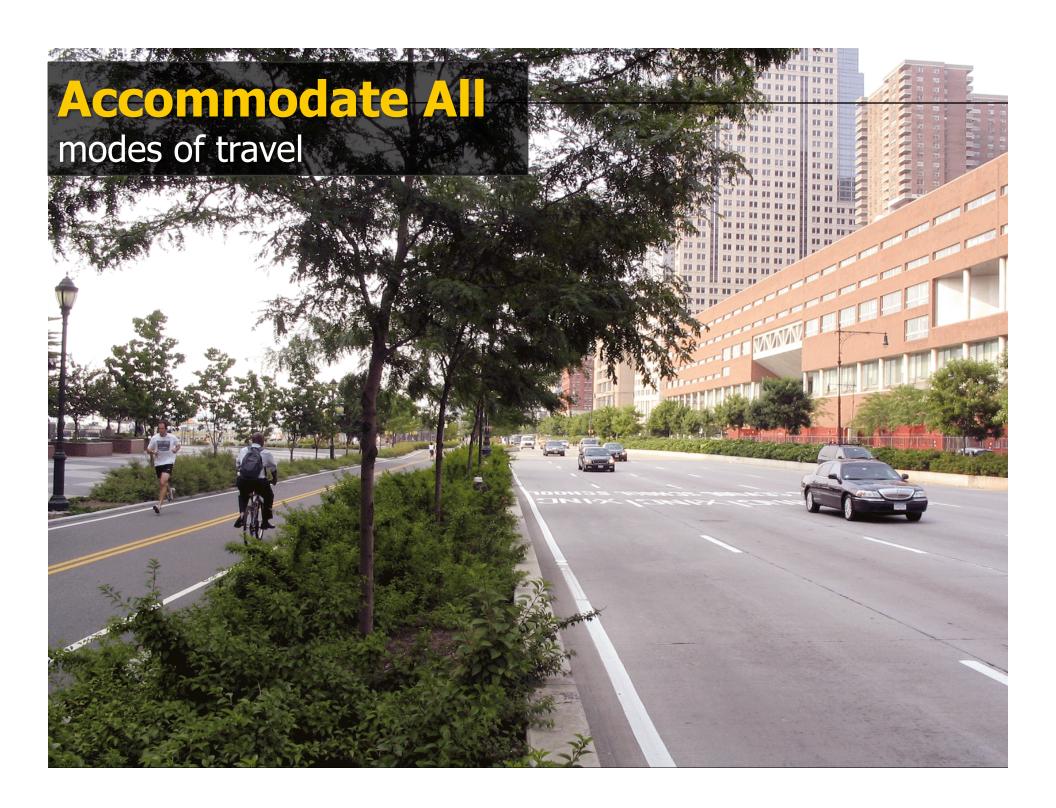
## **Smart Transportation**

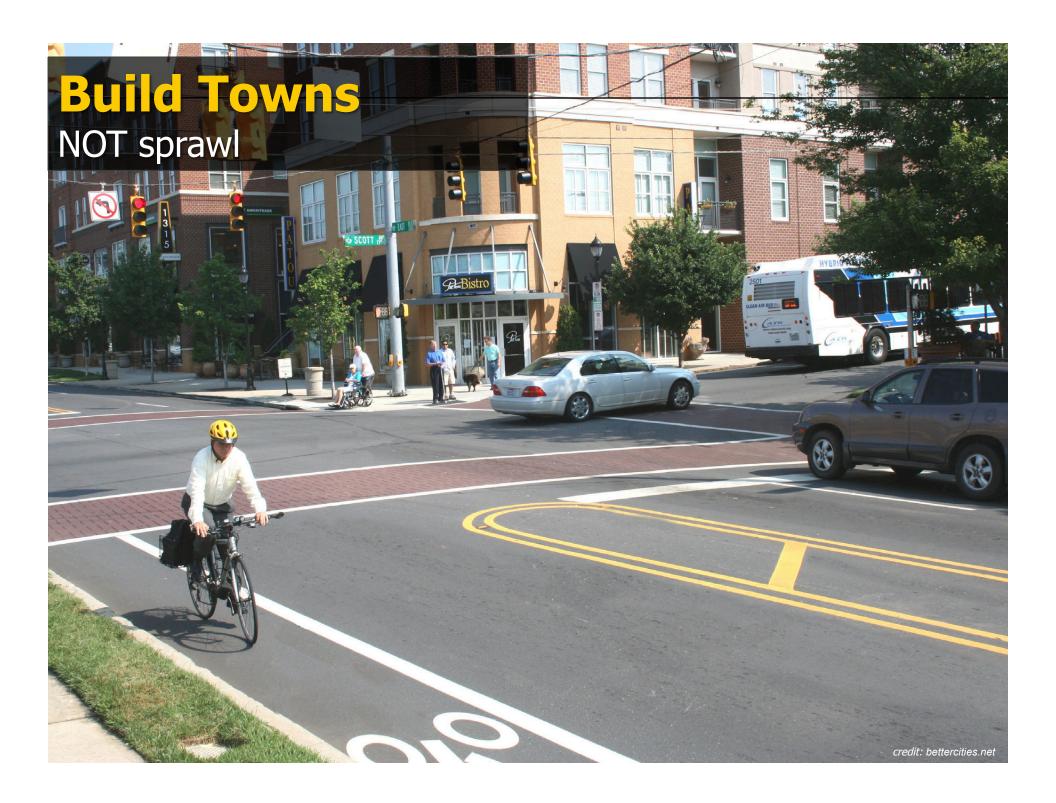
Themes

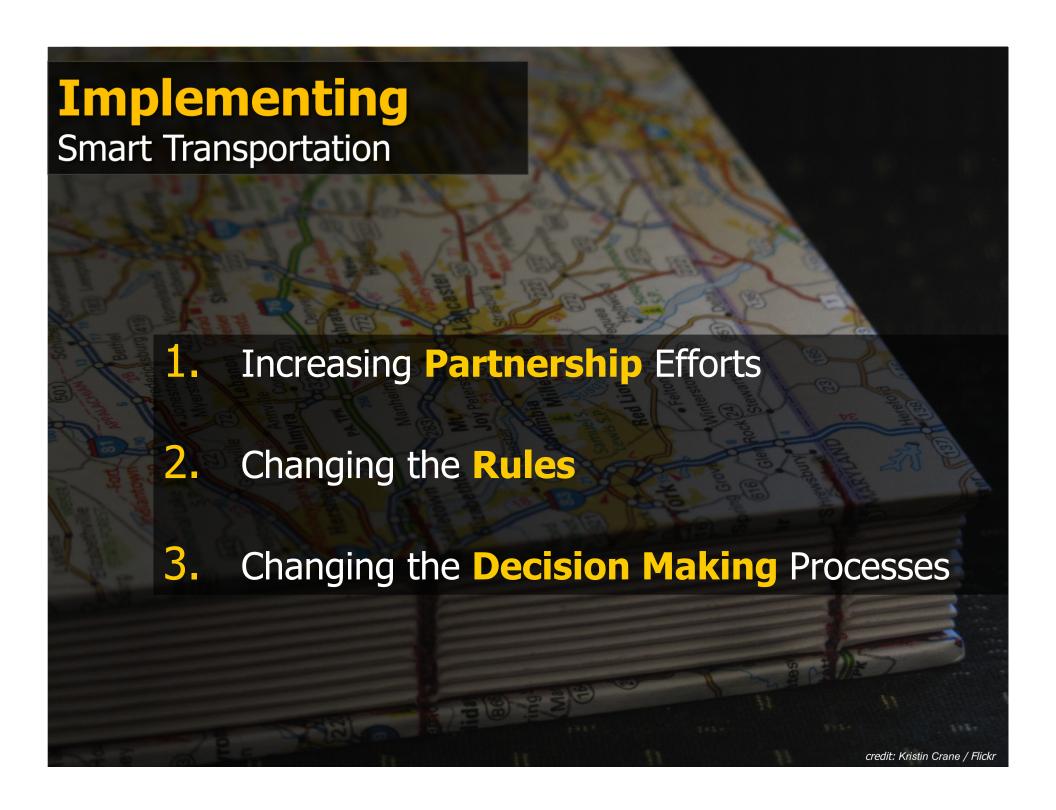
- Money matters
- 2. Leverage and preserve existing investments
- 3. Choose projects with high value/price ratio
- 4. Safety always and maybe safety only
- Look beyond level-of-service
- 6. Accommodate all modes of travel
- 7. Enhance local network
- 8. Build towns not sprawl
- 9. Understand the context; plan and design within the context
- 10. Develop local governments as strong land use partners

# **Money** matters









## **Increasing** partnership efforts

Sharing Smart Transportation message

• Strategic discussions with partners and local agencies

Outreach activities and interactive workshops with local officials and professionals

Consultant Training

Thinking That Connects the Dots
Between Land Use and Transportation

# Internal Communications 70 Presentations Logged by 11 Districts 1,100 District staff attended training sessions Engagement of Districts in local outreach Weekly Messages



## **Smart Transportation**

Guidebook



# SMART TRANSPORTATION G U I D E B O O K

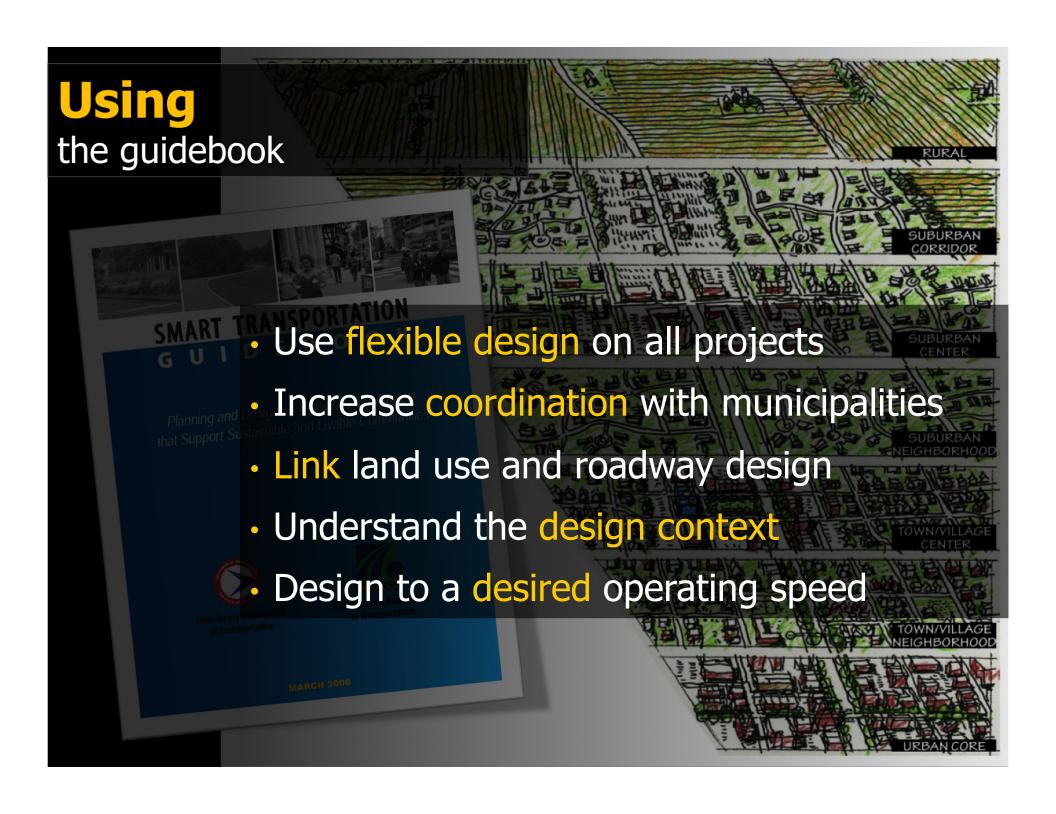
Planning and Designing Highways and Streets that Support Sustainable and Livable Communities

MARCH 2008

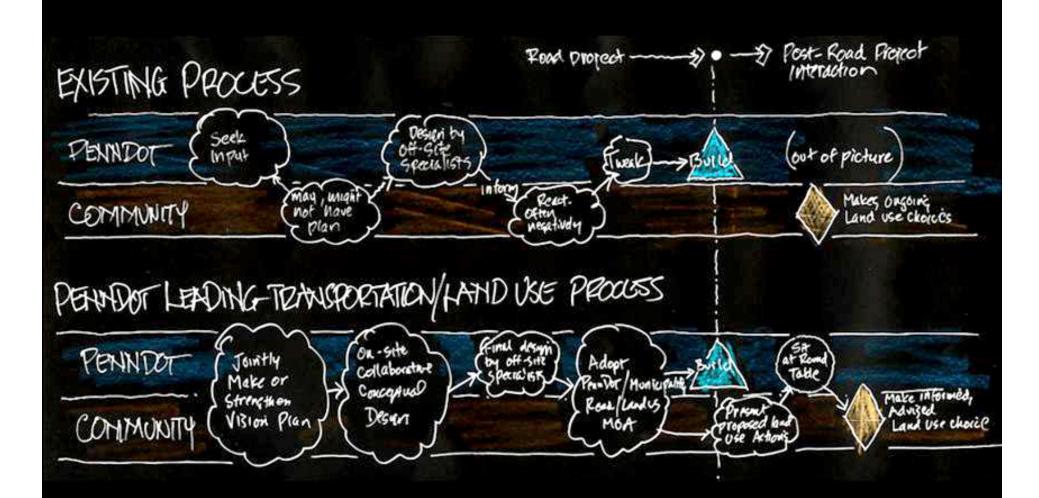


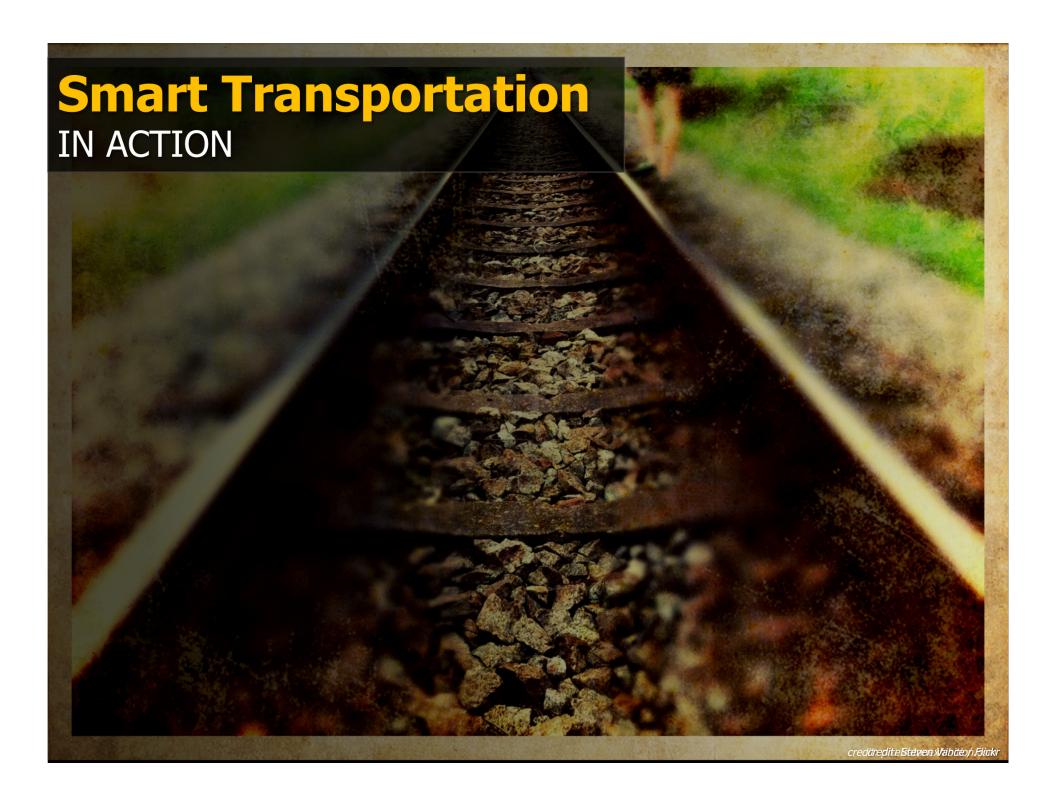






## **Changing** project development

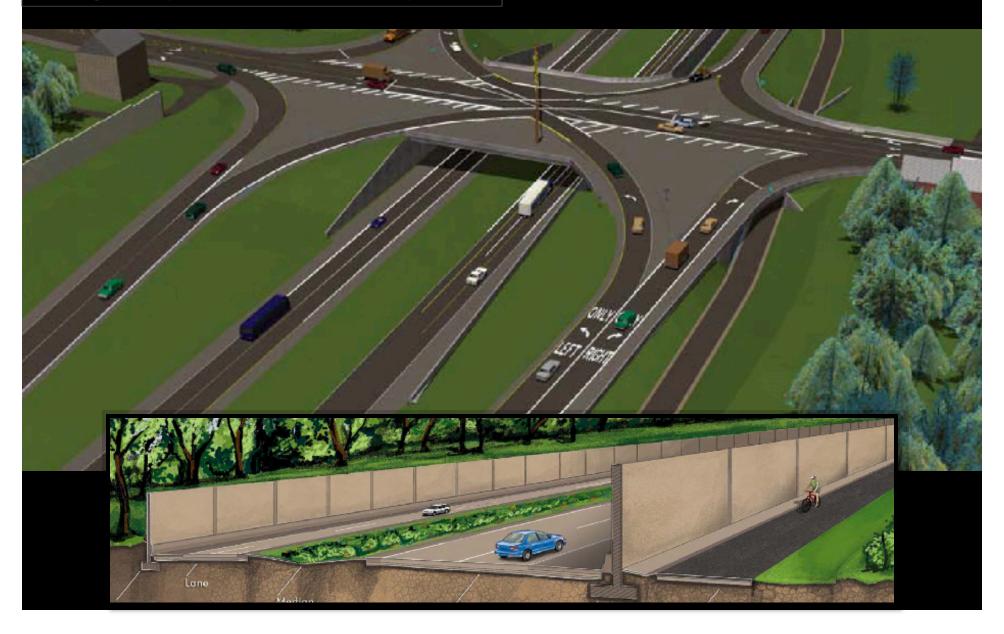






## **US 202** section 700

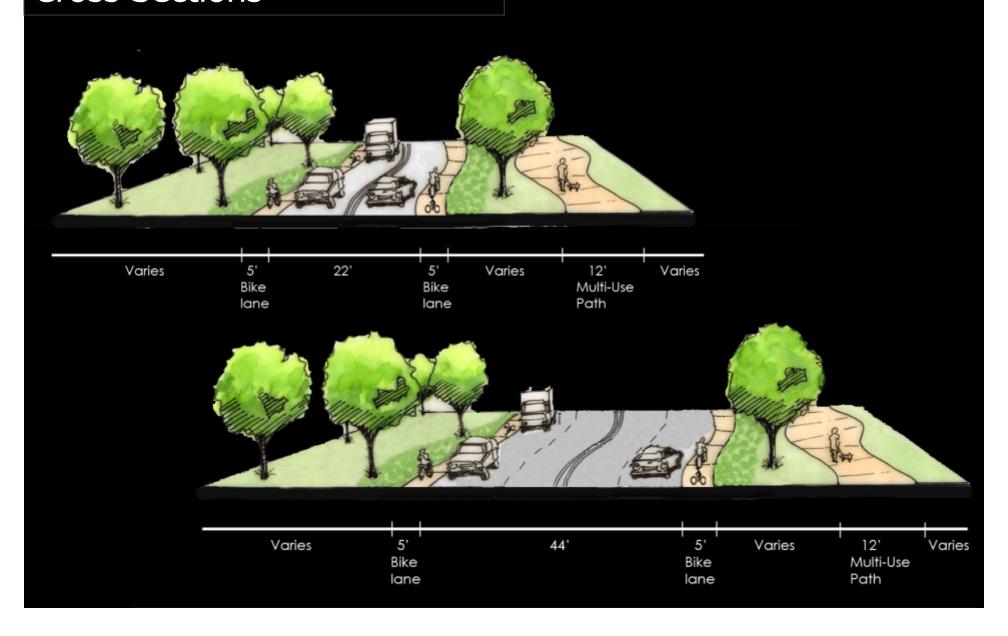
Montgomeryville & Bucks County

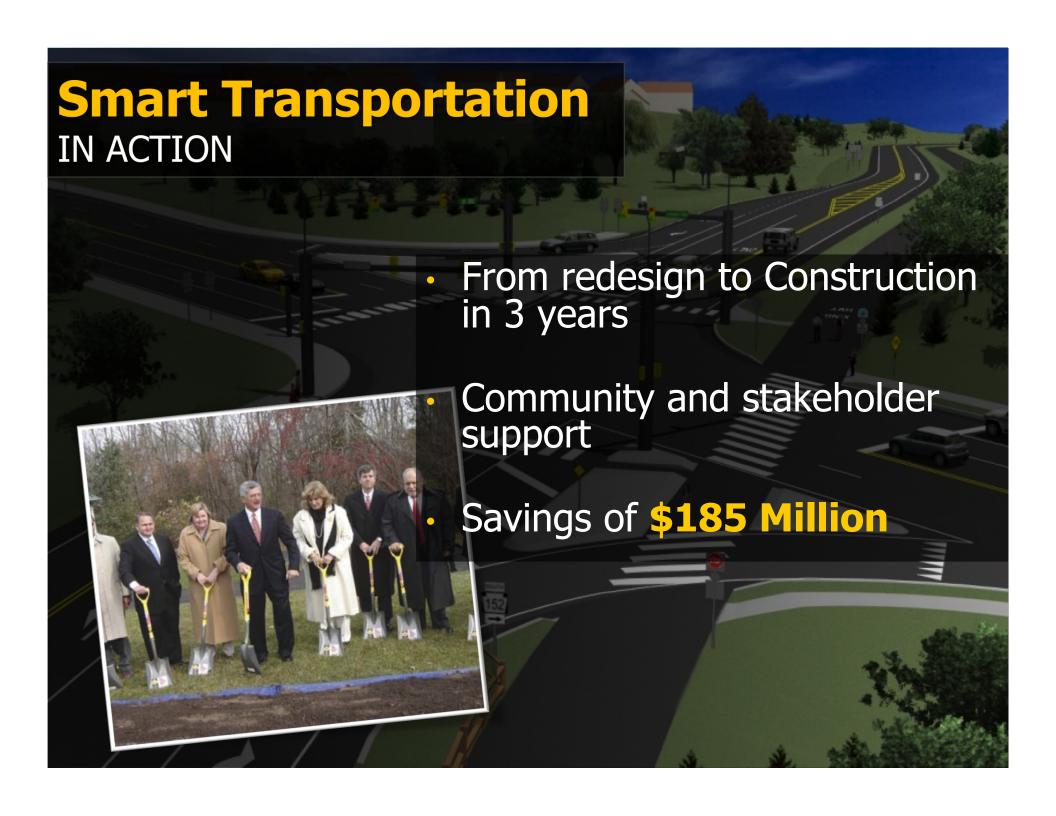




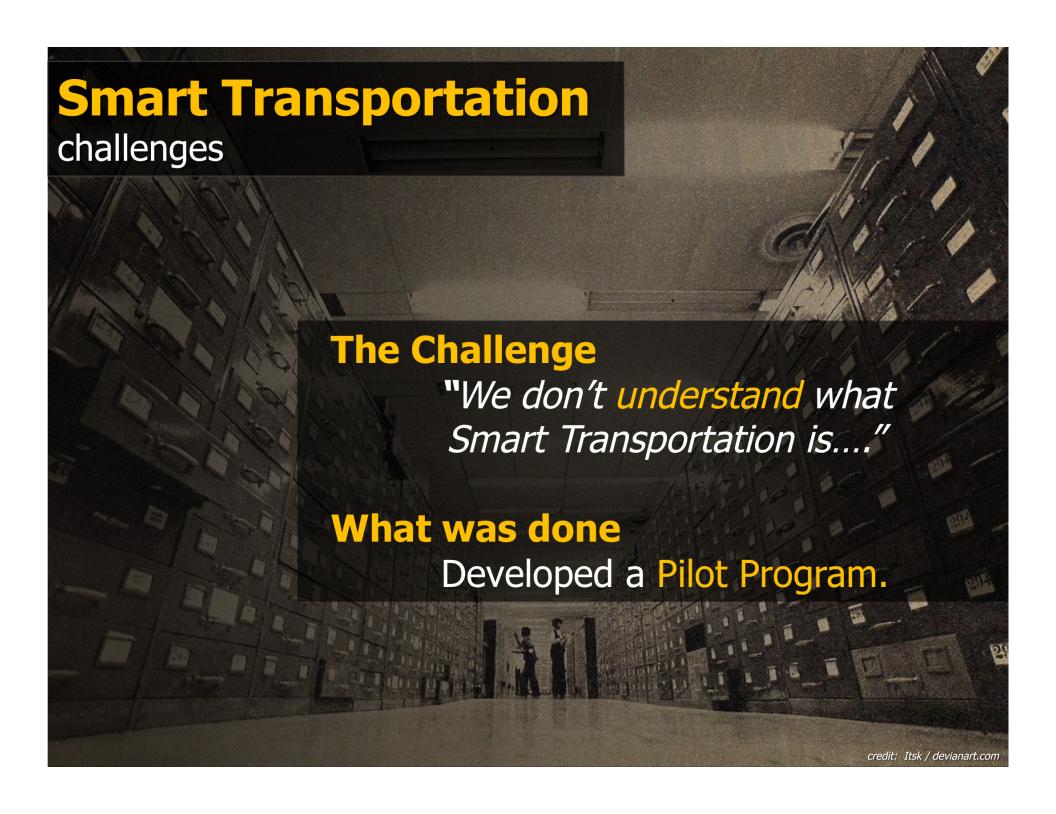
# **US 202**

#### **Cross Sections**







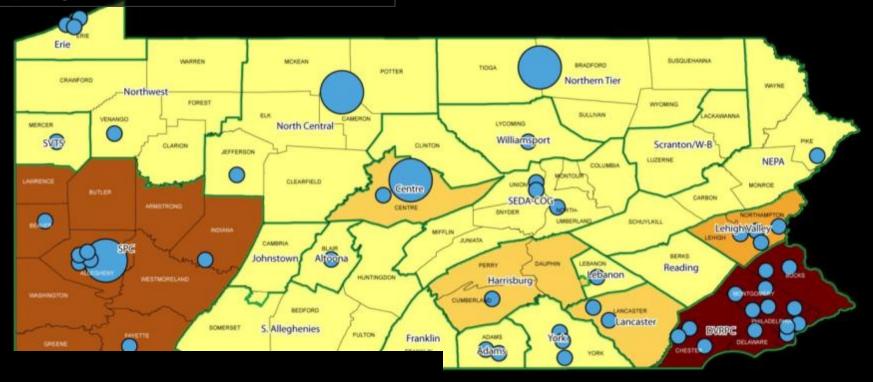


# Pennsylvania community transportation initiative Advance the practice of Smart Transportation Land Use Connection Collaboration with Stakeholders Build Towns not Sprawl Readiness Innovative Consistency with Regional Plans Teachability

credit: The Spencer Photography / Flickr



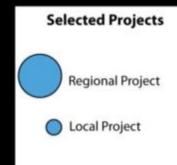
# Selected PCTI projects

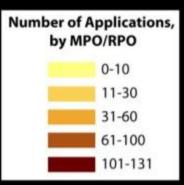


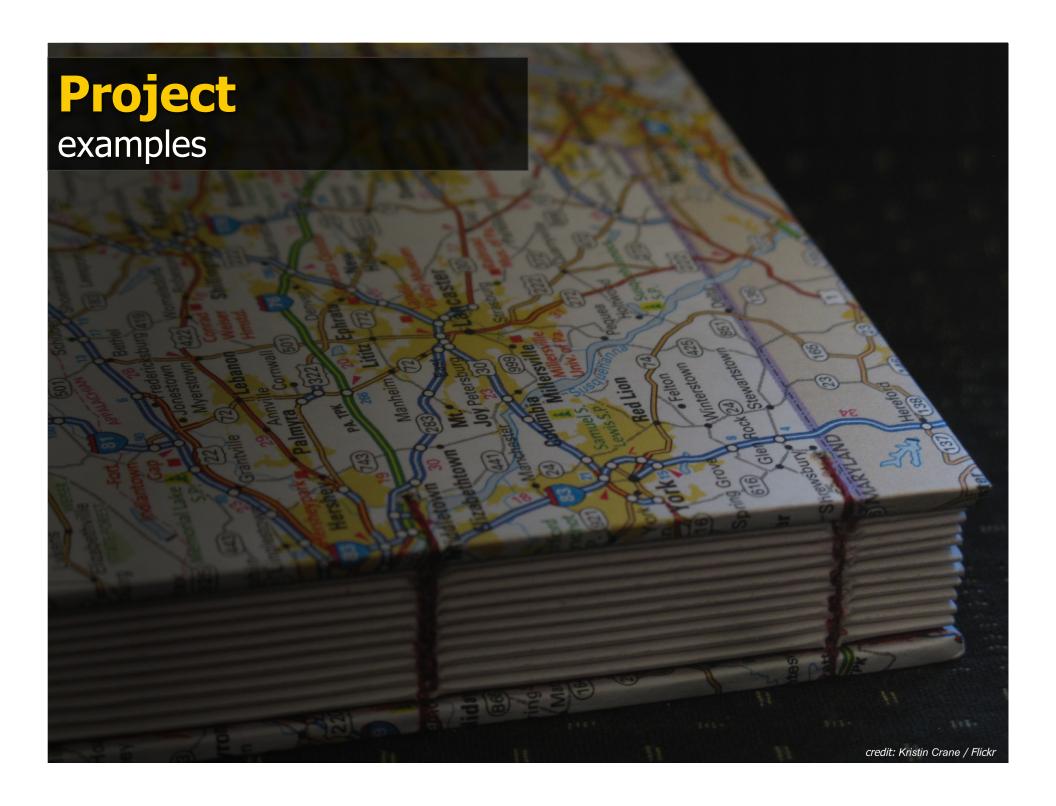
# of % of Total # of % of Total Total Funding for % of Total

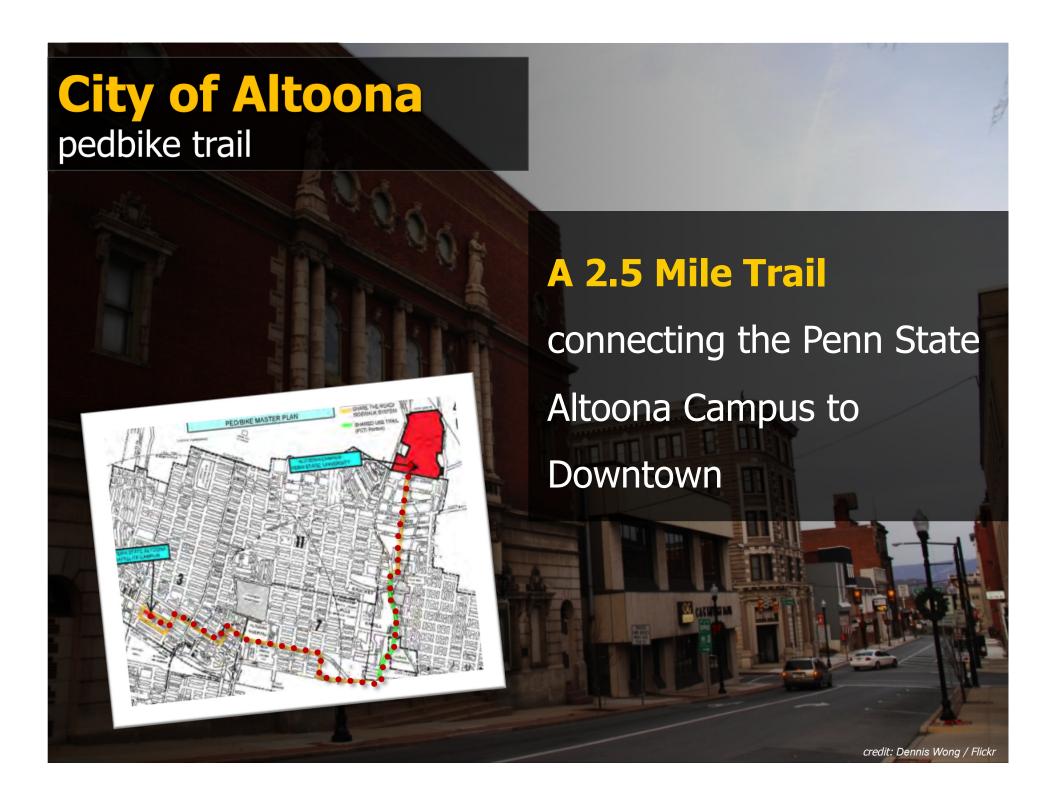
MPO/RPO Applications Applications Selections Selections Selected Projects Funding

Applications Selected	50
Funds for Selected Projects	\$59,284,992

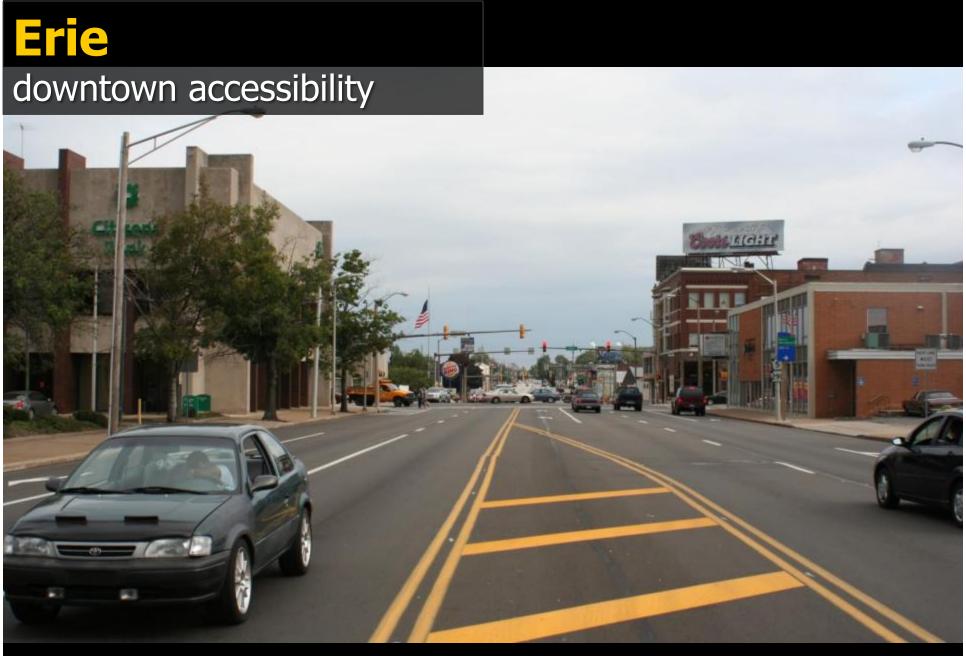






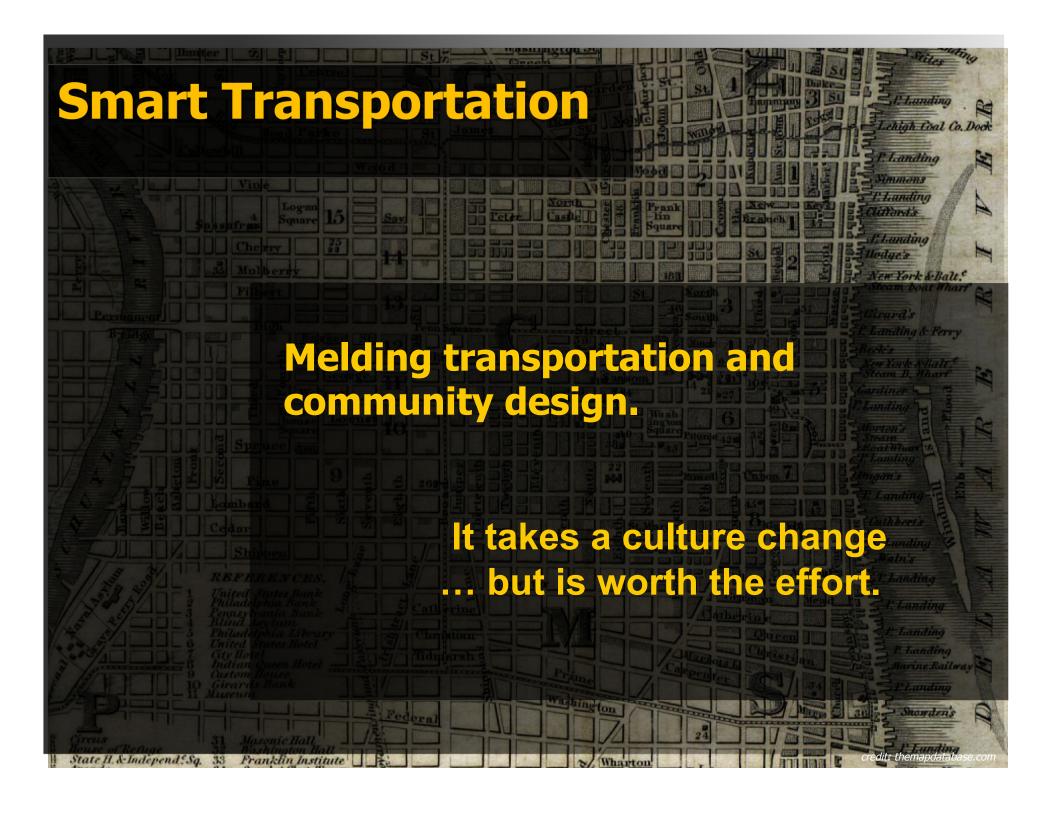








# Lessons Learned Land use is local, transportation is regional Partner with local governments Added capacity is not always the solution Experiment with pilot projects credit: Colin Harris/ Flicki



# State Smart Transportation Initiative



# Origin and Purpose



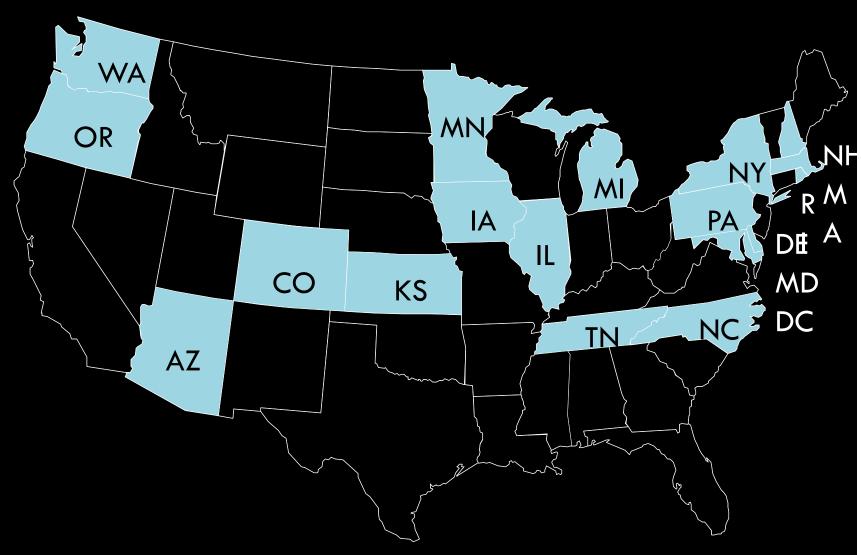
# Origin and Purpose



# SSTI Assists DOTs in Modernizing Practice

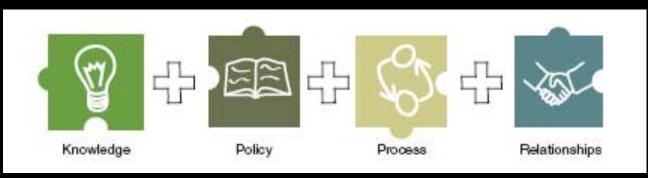
- Technical Assistance
- Community of Practice
- Dissemination

## Participating DOTs



## Pennsylvania

- Continuous effort to reframe practice
- Engaged critical staff
- Engaged outside partners
- Guidebook into Design Manual
- Demonstration program gave clarity
- Culture change owned by staff and partners



### Iowa

- Capacity vs Preservation
- Revenue campaign
  - Messaging on system preservation





But now the state has backed itself into a corner regarding its bridges, Moon said.

"The counties did a study statewide, and the study showed that we need \$150 million per year to maintain the state's bridges at the level they're at right now," he said. "Which isn't all that good."

Even the department's shining hope, a proposed 8- to 10-cent increase in state gas tax, which would bring in \$800,000 to Story County alone, will only bring in about half the money the county needs to keep its bridge system up to par.



#### One-year hiatus

## Arizona



Identify and Prioritize
Short- and Medium-Term
Transportation Needs

Building a Quality Arizona

Strategic Statewide Implementation Program Long Range Transportation, Land Use, and Economic Development Strategy

# Michigan

- Dashboard
  - Bus & Passenger Rail Ridership
  - Bridge and Road Conditions
- Governor Snyder Infrastructure Funding

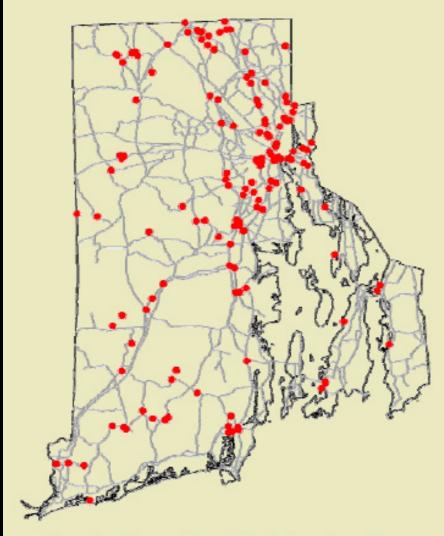


### Rhode Island

#### Annual Highway Expenditures

•	Capital	improvements	\$216M
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- O& M \$ 42 M
- Debt service \$ 96 M



Rhode Island has 164 structurally deficient bridges; 61 of those bridges are posted with vehicle weight restrictions

### Kansas

- Practical design
- School location guidelines



# Washington



# Washington



### North Carolina

Global review of best practices on funding and finance



# Oregon

Governor Kitzhaber

"...transformational change"

## Massachusetts



