

Presentation to Tennessee Infrastructure Conference  
Transportation Coalition of Tennessee  
6 October 2015

# Transportation Needs from Tennessee's Public Infrastructure Needs Inventory

Lynnise Roehrich-Patrick, Executive Director  
Tennessee Advisory Commission on  
Intergovernmental Relations

Adequate infrastructure is as essential to economic growth as economic growth is to individual prosperity.

# Background

The Tennessee General Assembly charged the Tennessee Advisory Commission on Intergovernmental Relations with developing and maintaining an ***inventory of public infrastructure needs*** in order for the state, municipal and county governments of Tennessee to develop goals, strategies and programs that would

- ***improve the quality of life of its citizens,***
- ***support livable communities, and***
- ***enhance and encourage the overall economic development of the state.***

[Public Chapter 817, Acts of 1996.]

# Background

- Includes the full cost of all public infrastructure that needs to be started or completed during a five-year window.
- Public infrastructure is defined as

*capital facilities and land assets under public ownership or operated or maintained for public benefit.*

- Infrastructure projects must not be considered normal or routine maintenance and must involve a capital cost of at least \$50,000.

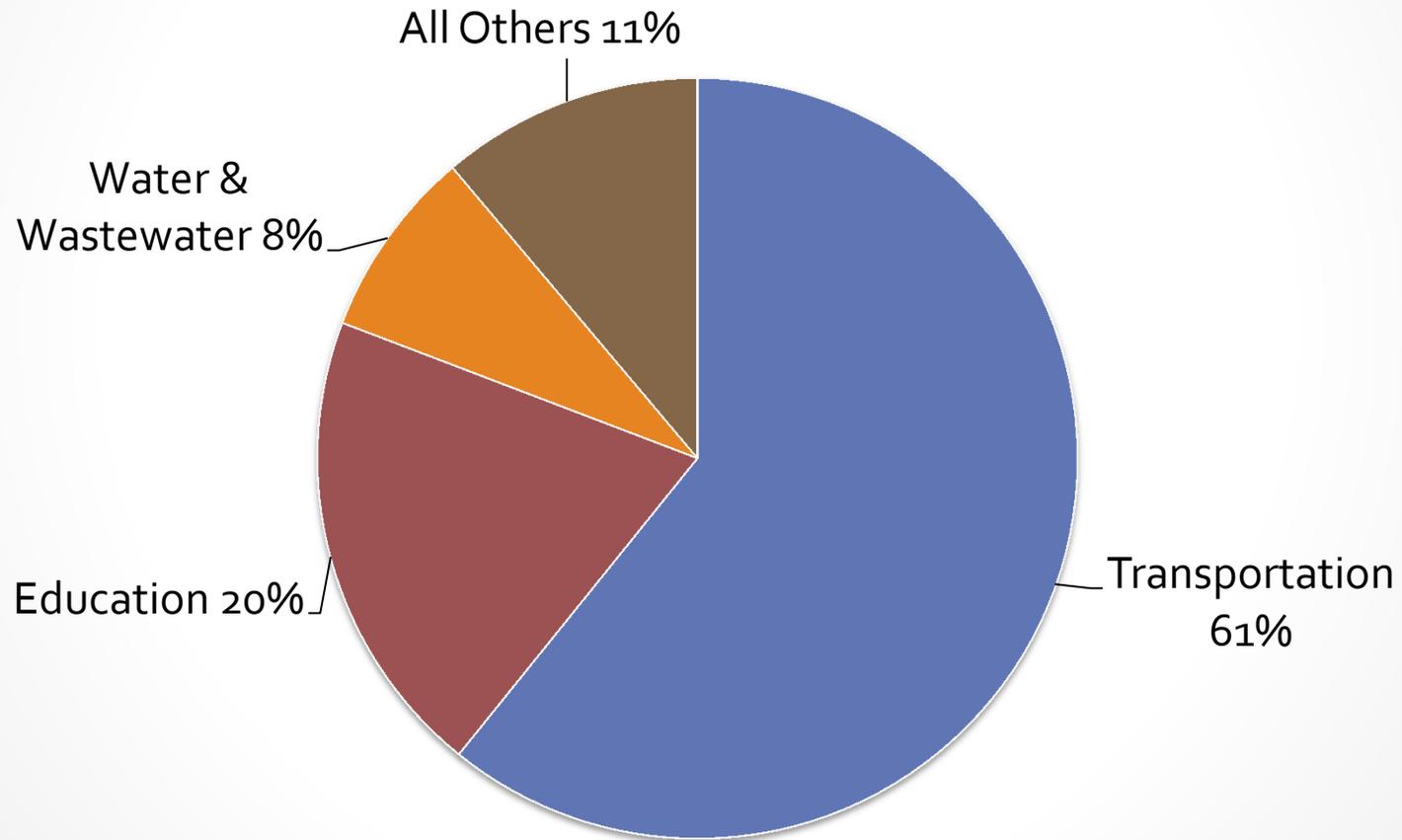
# Summary of Reported Infrastructure Improvement Needs

*Five-year Period July 2013 through June 2018*

Category	Five-year Reported Estimated Cost	
Transportation and Utilities	\$ 25,900,438,008	61.2%
Education	8,494,829,132	20.1%
Health, Safety, and Welfare	4,993,531,862	11.8%
Recreation and Culture	1,690,538,664	4.0%
General Government	720,592,385	1.7%
Economic Development	508,443,614	1.2%
<b>Grand Total</b>	<b>\$ 42,308,373,665</b>	<b>100.0%</b>

# Percent of Reported Infrastructure Improvement Needs by Type of Infrastructure

*Five-year Period July 2013 through June 2018*



# Transportation Infrastructure Improvement Needs

## *Last Five TACIR Inventories*

	Total* [in thousands]
July 2009 Inventory	\$ 16,118,757
July 2010 Inventory	\$ 16,334,856
July 2011 Inventory	\$ 17,820,305
July 2012 Inventory	\$ 17,670,178
July 2013 Inventory	\$ 17,614,943
Change 2009 to 2013	\$ 1,496,186
	9.3%

\* Does not include bridges.

# Transportation Infrastructure Improvement Needs

*Five-year Period July 2013 through June 2018*

- New transportation projects in the inventory totaled \$2.4 billion.
- Hundreds of projects remaining in the inventory increased in cost by a total of \$1.1 billion.
- Increases were slightly offset by
  - \$1.2 billion for projects completed since the last inventory,
  - \$942 million for projects that decreased in cost, and
  - \$655 million for projects that were canceled or postponed.
- Projects totaling \$36 million were removed from the inventory because they were reduced from true improvements to maintenance or repairs.

# TDOT's Efforts to Meet Needs Cost Effectively

## *The Expedited Project Delivery Program*

- Of the \$942 million in decreased transportation project costs, more than \$171 million resulted from the Tennessee Department of Transportation's new Expedited Project Delivery program.
- The EPD's goal is to identify cost-effective solutions to meet immediate needs on the highway system, particularly safety needs.\*
- Five projects on state routes in Fentress, Hardin, Jackson, Lauderdale, and Macon counties reduced in cost from \$180 million to \$9 million.
- Instead of building new roads or widening existing roads, TDOT will add guardrails, pavement markings, and signage and improve intersections, lanes, shoulders, curves, and bridges.

\*<http://www.tn.gov/tdot/topic/strategic-transportation-investments>

# Transportation Infrastructure Improvement Needs

July 1, 2009



Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for needed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvement Needs

July 1, 2010

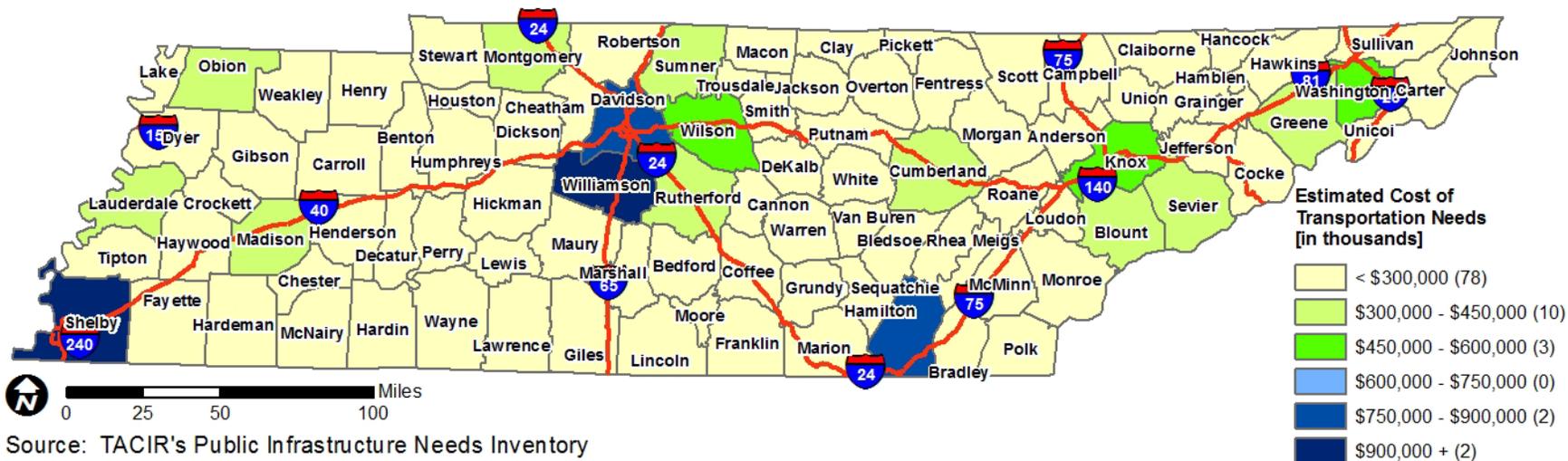


Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for needed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvement Needs

July 1, 2011

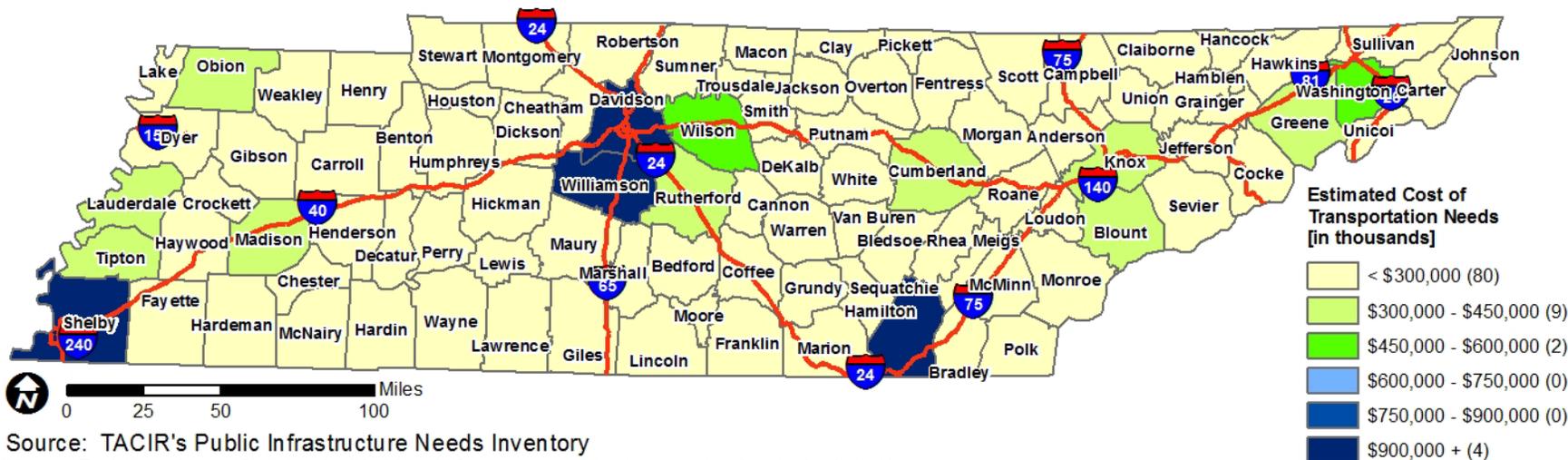


Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for needed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvement Needs

July 1, 2012



Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for needed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvement Needs

July 1, 2013

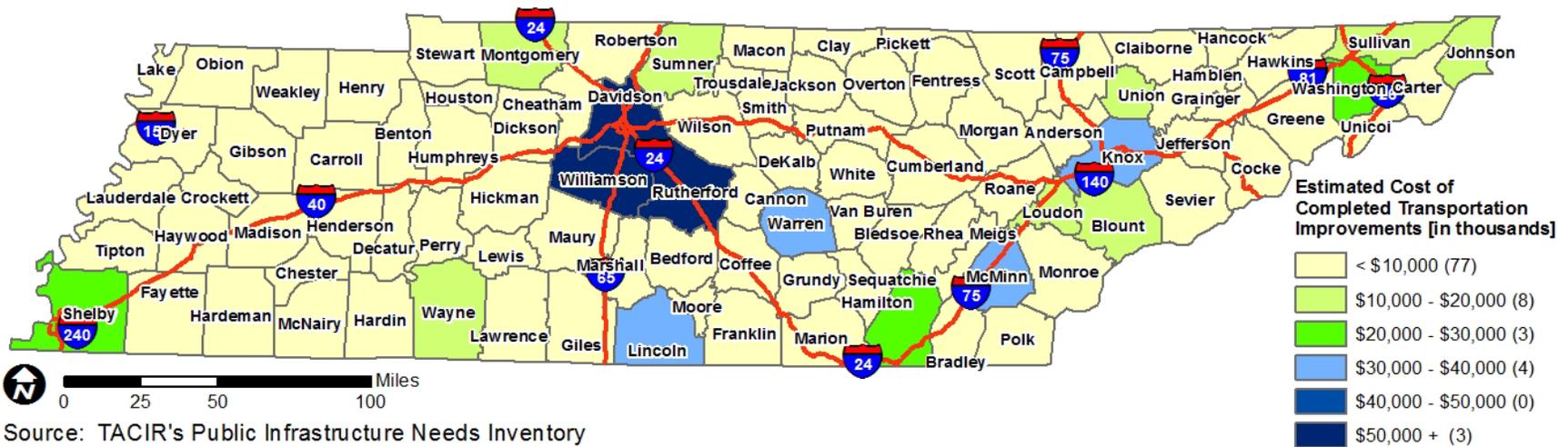


Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for needed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvements Made

July 2009 Inventory



Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for completed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvements Made

July 2010 Inventory

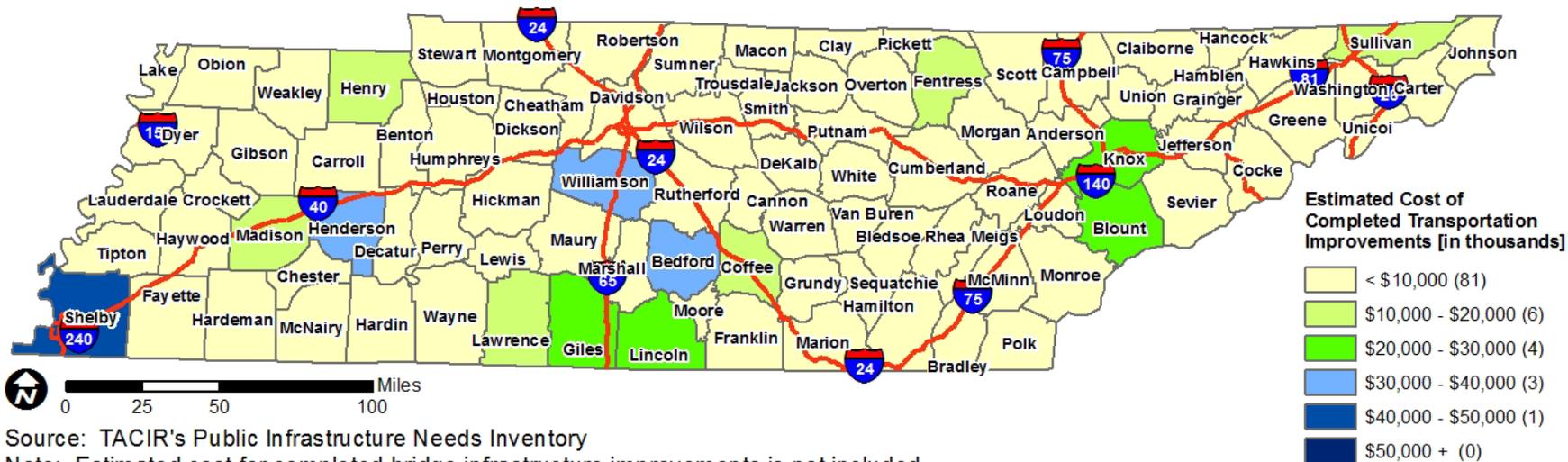


Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for completed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvements Made

July 2011 Inventory



Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for completed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvements Made

July 2012 Inventory



Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for completed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvements Made

July 2013 Inventory



Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for completed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvements Made

July 2009 through July 2013 Inventories



Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for completed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvements Made per Capita

July 2009 through July 2013 Inventories

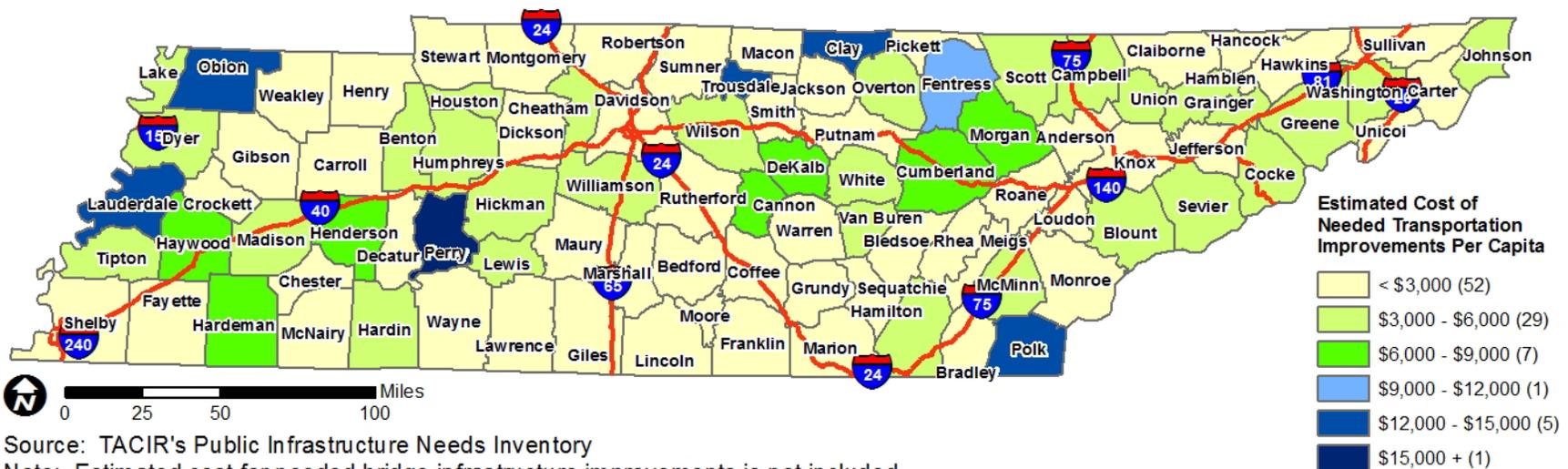


Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for completed bridge infrastructure improvements is not included.

# Transportation Infrastructure Improvement Needs per Capita

July 1, 2013



Source: TACIR's Public Infrastructure Needs Inventory

Note: Estimated cost for needed bridge infrastructure improvements is not included.

Adequate infrastructure is as essential to economic growth as economic growth is to individual prosperity.