Beyond Engineering:

Looking beyond design and construction to the public involvement, funding, and innovations that are part of public infrastructure.
Building a Consensus

- Addressing the need
- Finding the solution
- Working with partners
Building a Consensus

• Public Involvement
• Transparency
• Communication – early and often
Finding the Funds

- Missouri’s Stark Reality –
  - Dwindling fuel tax revenue
  - Insolvent Federal Highway Trust Fund
  - Inflation limits purchasing power

Missouri has more state highway miles than Kansas and Illinois combined but with only 1/3 of Illinois’ revenues.
Finding the Funds

Missouri’s Stark Reality

- $1.3 billion in 2005-10
- $685 million in 2014
- $485 million just to maintain the system in 2017-19
- $325 million in 2017-19
Innovations – Project Delivery

• Design Build
• Alternative Technology Concepts
• Add Alternate Bidding
I-64, St. Louis

kcIcon Bridge, Kansas City

I-44 & Kansas Expy Interchange, Springfield
Innovations – Managing the System

- Adaptive signal control
- Coordinated arterials, freeways, work zones, incidents
Innovations – Intelligent Compaction
Innovations – Technology, Electronic Plans
Freight in Missouri

- Missouri freight is expected to increase from 600 million tons in 2011 to an estimated **1 billion tons** in 2014.
- 2012 Missouri freight exports totaled **$13.9 billion**.
- Every $1 invested in transportation generates **$4 in economic activity**.
- Improved transportation system can lower transportation costs and help **create more jobs**.
One company’s example:
Questions?

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