Deteriorating Bridges And Their Impact On Freight Movement

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“You Can’t Get There From Here”
A Transportation Story of Oversized Proportions
The issue:
Declining bridge and road conditions makes it very hard to find safe and efficient routes for an increasing number of Oversize Overweight loads.
How Big is OS/OW in Missouri

3% Increase over last four years

Oversize Overweight Permits Issued

- 2011: 146,483
- 2012: 152,649
- 2013: 150,654
- 2014: 153,831
- 2015: 150,532

Number of Oversize Overweight Permits Issued by Calendar Year:

- 1st Qtr: 37,022, 37,301, 38,419, 39,253, 37,426
- 2nd Qtr: 39,396, 37,737, 39,784
- 3rd Qtr: 40,232, 39,396, 39,572
- 4th Qtr: 32,208, 36,958, 38,706

3% Increase over last four years.
Loads Are Getting Super-Sized

47% Increase over last four years
Not Your Typical “18 Wheeler”
Wind Loads are Increasing

- 874 Loads in 3rd & 4th Quarters 2015
- 2,200+ Loads From One Supplier in 2016
Oversize Overweight Keeps Bridge Division Busy

- 2,500 Superloads will be processed in 2016 (95% increase from 2009)

- In 1995, only 35 Superloads for the entire year!
Safe Route “Maze”
Critical Condition Bridges

Missouri
Critical Condition Bridges

- Critical Condition Bridges
- Interstate
- US Numbered Routes
- MO Numbered Routes
- MO Lettered Routes

MoDOT
Missouri Department of Transportation
Transportation Planning
1-888-ASK-MODOT
Website:\moDOTshorts
August 2015
+ Posted Bridges

Missouri
Posted Bridges

Posted Bridges
- Posted 20 tons or less
- Posted at more than 20 tons
- Lane/Speed Restricted

Intertates
- US Numbered Routes
- MO Numbered Routes
- MO Lettered Routes
Vertical Clearance Issues
+ Work Zones / Traffic Impacts
The “Maze”
Real-Life Example

Routine Oversize Overweight Permit
(Not a Superload)

Entering from IL at I-270/Exiting into KS at I-435
Preferred Route

271 Miles Total
Actual Route

413 Miles Total

52% Increase!
Missouri Closed for Business?