State of Missouri Bridges

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Missouri Department of Transportation

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### How Many Bridges Are There?

<table>
<thead>
<tr>
<th></th>
<th>STATEWIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local</td>
<td>13,982</td>
</tr>
<tr>
<td>MoDOT</td>
<td>10,376</td>
</tr>
<tr>
<td>Total</td>
<td>24,358</td>
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</tbody>
</table>
10,376 bridges on State system
Critical Condition Bridges
STATEWIDE – 641
How are Bridges Rated?

Substructure | Superstructure | Deck
--- | --- | ---
Very Good | Good | Satisfactory | Fair | Poor | Serious | Closed | New

TIME

0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

MoDOT
Gasconade Co., Route J

- 77 years old
- Timber piles
- One lane, load posted
- Detour length = 24 miles
- Serves local school, fire and ambulance districts
- If closed, would increase response times
Stoddard Co., Route 91

4 critical-condition bridges on this route
All were built in 1933 – 82 years old
Carry 700-800 vehicles per day
Ag access to SEMO Port and I-55
Important EMS route for residents to Cape Girardeau
Phelps Co., Route B

Over the Bourbeuse River
81 years old
One lane, load posted
Detour length = 30 miles
Serves Walmart Distribution Center and local wineries
www.modot.org/Bridges
Route H, Scotland County
North Wyaconda River

CLOSED
Oct. 23, 2014
Route T, Macon County
Thomas Hill Reservoir

CLOSED
Feb. 3, 2015
What is a major bridge?

Any bridge over 1,000 feet long.

Typically over major rivers and lakes.

Also flyover ramps in large interchanges.
Why talk about major bridges?

Just 2 percent of state bridges, but 25 percent of total deck area.

To replace just these 209 bridges would cost $7 billion.
Compare typical bridges to major bridges

- **Cost to replace one bridge**: $1 million vs. $100 million
- **Expected life**: 50-75 years vs. 75-100 years
- **Typical detour length**: 5 miles vs. 50 miles
Not Your Typical “18 Wheeler”
Preferred Route

271 Miles Total
Actual Route

413 Miles Total

52% Increase!
Impact of Investing in Bridges

Currently

It's a cycle

Each year approximately 100 bridges deteriorate and 100 bridges are repaired. The net result is NO PROGRESS is made.

After 5 Years

No progress

For an additional $55 million per year

For an additional $100 million per year

641 1,345

641 1,345

429 1,037

320 887
About 60% of our bridges are older than their intended useful life of 50 years (those built prior to 1965).
Thank You!

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