

Main Street Bridge Replacement

City of Waitsburg



Presentation by Randy Hinchliffe, City Administrator



Skagit River Bridge

- Built:1955
- Collapsed May 23, 2013
- Classification:
Functionally Obsolete
- Rating at time of Collapse: 46

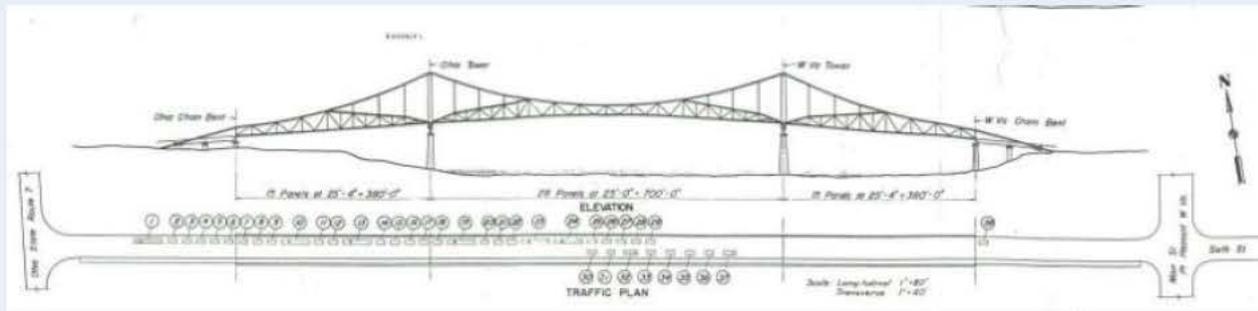


Touchet River Bridge

- Built:1925
- Current Rating: 41
- Classification:
Functionally Obsolete

Bridge Rating Types

There are two types of deficient bridges — structurally deficient (SD) and functionally obsolete (FO). A structurally deficient bridge, as defined by the FHWA, is one whose condition or design has impacted its ability to adequately carry its intended traffic loads. A functionally obsolete bridge is one in which the deck geometry, load carrying capacity, clearance, or approach roadway alignment has reduced its ability to adequately meet the traffic needs below accepted design standards. Those bridges meeting the criteria for both SD and FO are only considered SD, the structural deficiency overrides the functional obsolescence and the bridge will be considered in the SD classification. In general, the lower the sufficiency rating, the higher the priority. To qualify for replacement, a bridge must have a sufficiency rating of less than 50.0 and be structurally deficient or functionally obsolete. To be eligible for rehabilitation, a bridge must have a SR of 80.0 or less and be structurally deficient or functionally obsolete. The bridges must be greater than ten years old



STATUS OF STATE AND LOCAL BRIDGES



BRIDGES

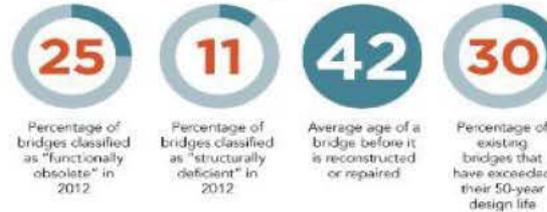
- 366 of the 7,840 bridges in Washington (4.7%) are considered structurally deficient.
- 1,693 of the 7,840 bridges in Washington (21.6%) are considered functionally obsolete.
- Washington received \$146 million from the Federal Highway Bridge Fund in FY2011.

The States Of Deficient Bridges

When the Interstate 5 Bridge over the Skagit River in Washington collapsed on May 23, cars and their passengers flew into the water. Thankfully no one was killed, but the incident was a stark reminder of our nation's crumbling bridges and past collapses that ended in tragedy.

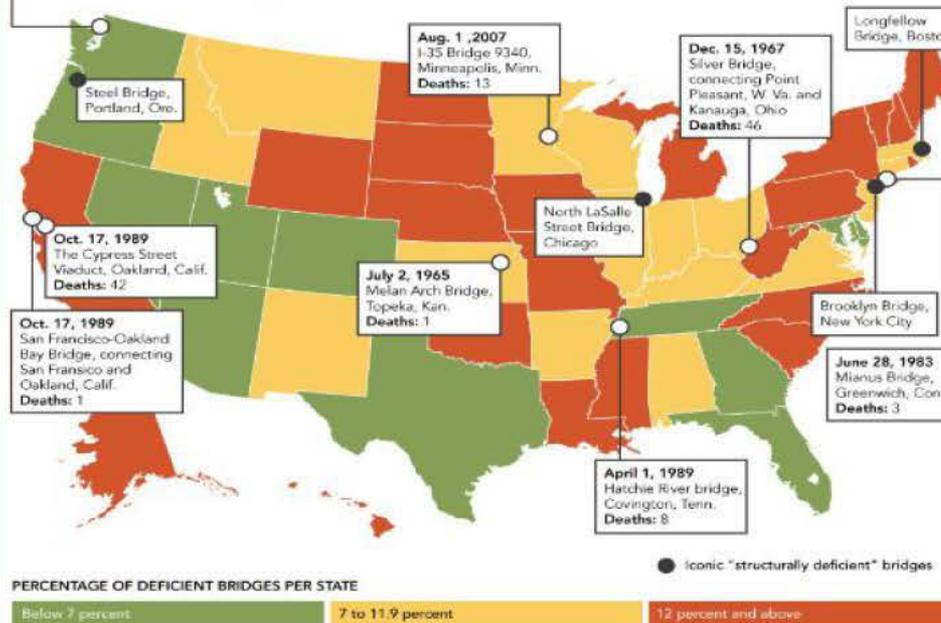


Many Of The Nation's Bridges Need Repairs



Deficient Bridges Span The Nation

See how many of your state's bridges are rated "structurally deficient" and some notable bridge collapses of the past 50 years.



Sources: Transportation for America, TIME, *The New York Times*, *The Houston Chronicle*, ABC News, BridgeHunter.com, American Society of Civil Engineers "2013 Report Card for America's Infrastructure"

THE HUFFINGTON POST

Issues surrounding Bridge Replacements

Funding

- Estimated price tag to repair all bridges: \$140 Billion
- Only SD Bridges are eligible for state replacement funds

Agency Review

- Multiple review agencies, different project review timelines
 - Can delay project for months, possibly a year or more

Bridge Design

- Stand alone, poured in place
- Innovative prefabricated

Questions?

