

# ***LOUISIANA CHANGES LAW TO REDUCE BRIDGE AND ROAD DAMAGE OF HEAVY TRUCK LOADS***

given by

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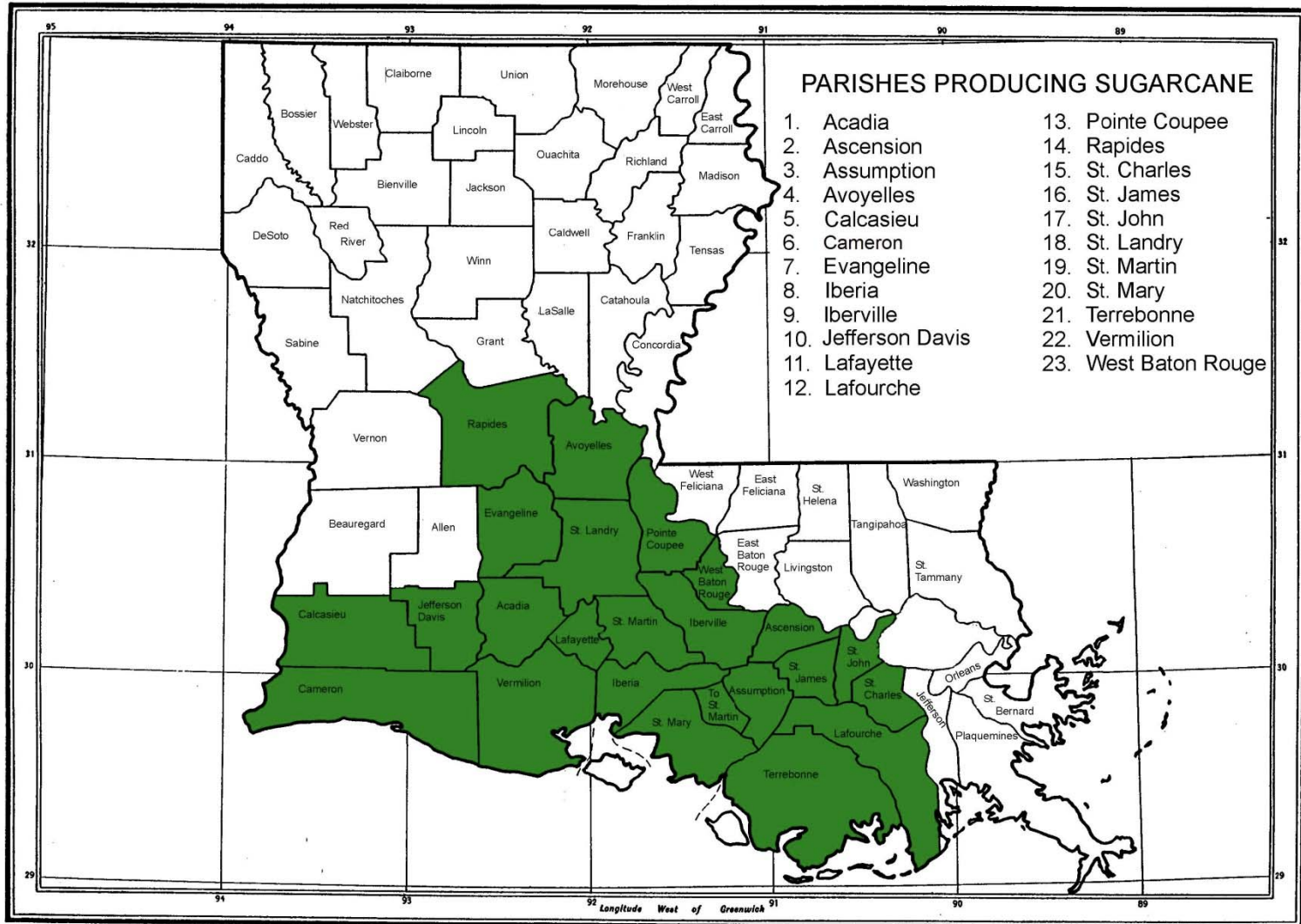
# The Cause



# What's the Problem?



# Sugarcane Parishes

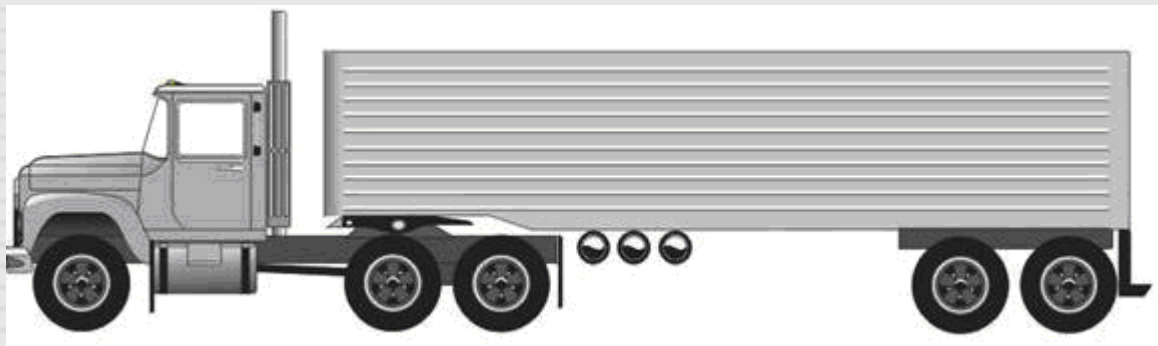


# What we Did – Three Part Study

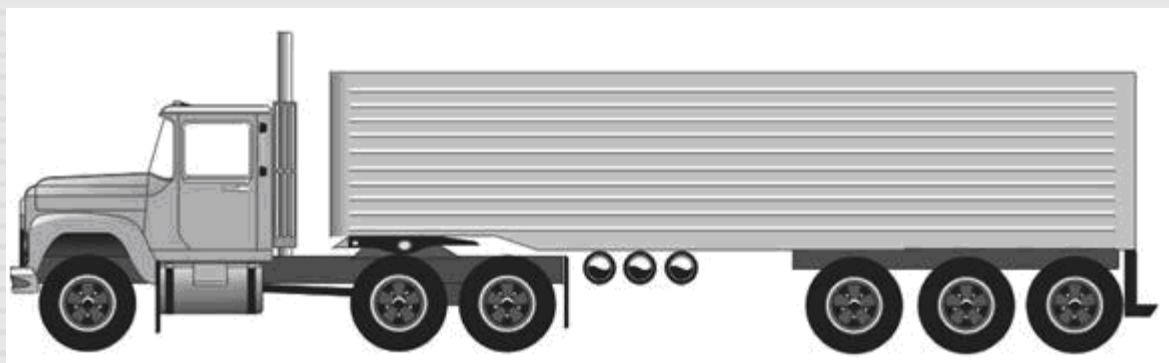
- Series of studies to evaluate damage from heavy truck loads.
- Estimate the additional rehabilitation costs to roads and bridges damaged by heavy sugar cane trucks
- Develop truck-axle configurations, which produce less pavement damage by permitted overweight trucks.



# Trucks Evaluated



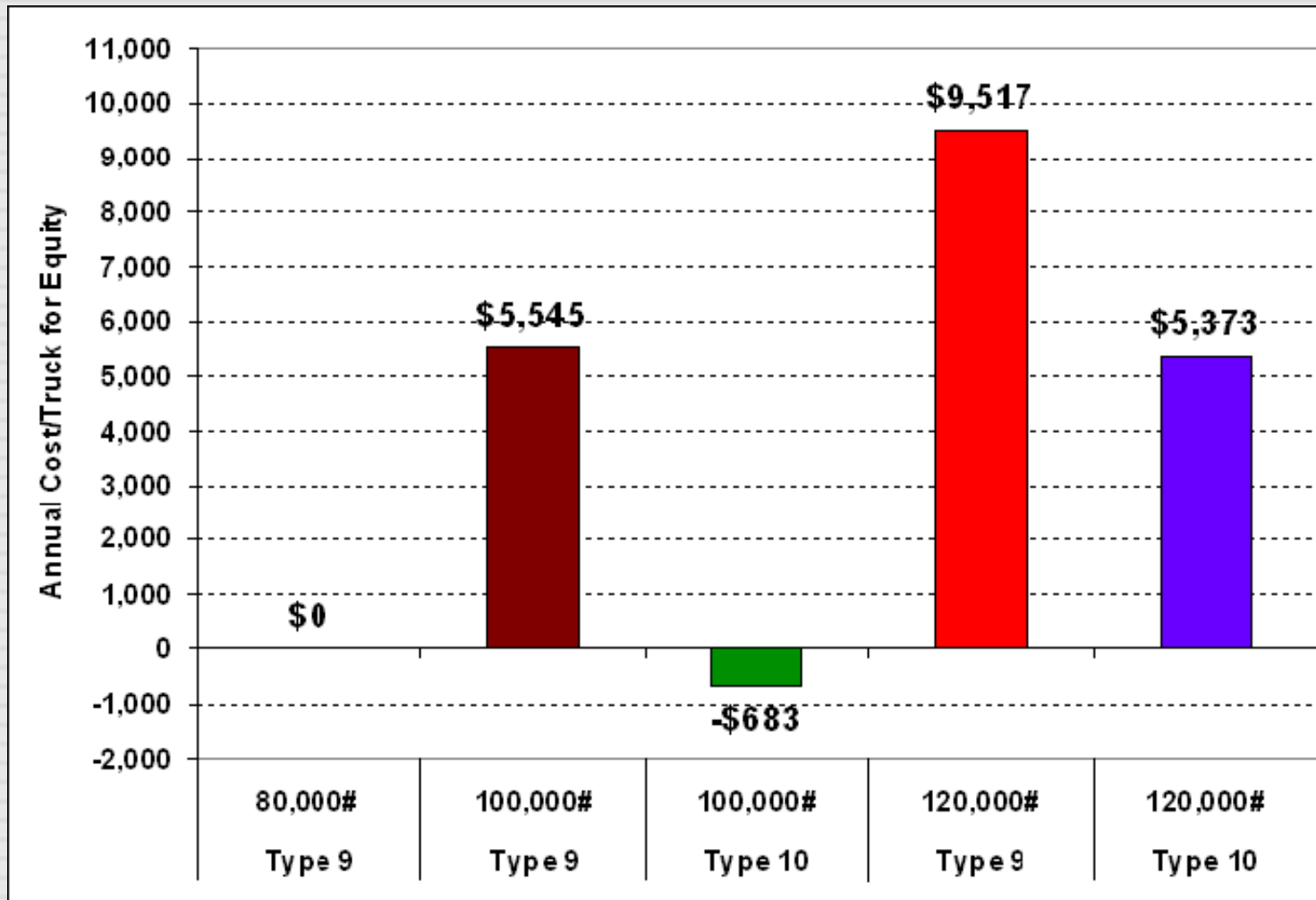
**FHWA Type 9**



**FHWA Type 10**



# Research Results



# Implementation

- **August, 2012 – Revised Louisiana Statute 387.7: Annual permits will not be issued to sugarcane haulers to haul up to 100,000 lbs. unless a third axle is added for a total of 6 axles (FHWA Type 10).**
- **A tax incentive was also provided to haulers as recommended by the researchers.**
- **Increasing permits to 120,000 lbs. will not be allowed.**





# Value of Implementation

- Will Save \$\$\$ by reducing maintenance, rehabilitation and reconstruction costs.



EcoViva



# Additional Research

- Evaluation of impact of overloaded vehicles to bridge structures is underway and nearing completion.
- Initial results confirm the outcome of the previous research.
- Eventually require same compliance to other industries (Loggers, Aggregates, Other agricultural products).



# Instrumented Bridge



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# Websites

- <http://www.ltrc.lsu.edu>
- [http://www.ltrc.lsu.edu/pubs\\_final\\_reports\\_5.html](http://www.ltrc.lsu.edu/pubs_final_reports_5.html)
  - Report No. 418
  - Report No. 425
  - Report No. 509



# Things Aren't Always As They Seem

