

## Help Pay for a Crash Test for an Innovative Side/Rear Guard Which Could Be Retrofitted on Existing Trucks

One of our Underride Research funding goals is to cover the costs of crash testing at IIHS (\$20,000) of an innovative underride prevention system designed by Aaron Kiefer, a forensic engineer (he does crash reconstructions) here in North Carolina. Jerry and I went to see his prototype in August. Very cool. It combines side & rear guard protection.

See his Public Comment on the Advanced Notice of Proposed Rule Making (ANPRM) for underride protection on Single Unit Trucks posted on the Federal Register:

<http://tinyurl.com/jotwfo6>

We have raised \$4,500. Help us raise the \$15,500 still needed to crash test it at IIHS and confirm that Aaron's invention could stop side and rear underride crash deaths!

**To donate online, go to:**  
<http://fortrucksafety.com/>



Above: a Manac trailer Below: a competitor's trailer Same Impact, Different Results



Top photo: Rear impact guard prevented underride

Bottom photo: Guard did **not** prevent underride

## AnnaLeah & Mary for Truck Safety

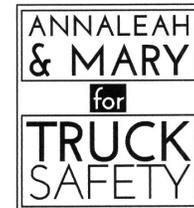
Truck Underride Crashes Are Preventable!

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## Support Underride Crash Tests



## Underride Research Can Save Lives

Marianne Karth lost her two youngest daughters, **Anna-Leah** (17) and **Mary** (13), due to a truck crash on May 4, 2013, when she was driving from their home in North Carolina to family celebrations in Texas.



Mary & AnnaLeah,  
March 2013

While on I-20 in Georgia, a trucker hit their Crown Vic when traffic was slowed for a prior crash--spinning the car so that it went backwards into the rear of a truck ahead of them.

The underride guard did not withstand the crash and the back of our car went under the tractor trailer. Mary and AnnaLeah were in the back seat. AnnaLeah, only a week from her eighteenth birthday, died instantly from mechanical asphyxia. Mary, 13, had gross facial trauma (multiple facial fractures) and several strokes and died four days later from the swelling in her brain.

While Marianne and her son, in the front seat, did survive, they, and the rest of the family, are utterly devastated by the loss of AnnaLeah and Mary.

The Karth family has since raised awareness about the **inadequacy of the current federal standards for underride guards**, which we want to be improved to prevent other families from facing similar unbearable grief.

To encourage research and discussion, we are spearheading an **Underride Roundtable** at IIHS on May 5, 2016.

In addition, as a family, we have asked for and received a proposal for an underride prevention system to be designed and researched by Dean Sicking, an engineer at the University of Alabama-Birmingham.

Dean is well-known for his lead role in creating the SAFER Barrier used at NASCAR raceways, which has saved many lives. He is convinced that he can create a safer barrier at the back of tractor-trailers to prevent underride of a passenger vehicle upon collision with a trailer. <http://tinyurl.com/pge3mtk>

**AnnaLeah & Mary for Truck Safety** will be **raising funds for underride research** in order to discover how to design underride prevention systems which will provide the best possible protection. The results of the research will be



Existing underride guards too often fail — leading to serious injuries and crash deaths.

made available to regulators and manufacturers so that more effective standards can be written and safer trucks can be put on the road.

**Please help us prevent future unnecessary deaths due to underride crashes.** Every \$1 contributed to this cause will help us toward our goal of supporting underride research and saving other families the heartache of such tragic loss.

**AnnaLeah & Mary for Truck Safety** is a 501(c)(3) non-profit organization. Your contribution is tax-deductible, and you will receive a receipt after providing us with contact information.

**To donate online, go to:**  
<http://fortrucksafety.com/>

**For more information** about AnnaLeah & Mary's story and for details about the underride guard issue, go to:  
<http://annaleahmary.com/>

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