

4605 Woodmill Run
Apex, NC 27539

September 29, 2014

North Carolina Board of Examiners for Engineers and Surveyors
4601 Six Forks Road, Suite 310
Raleigh, North Carolina 27609

NCBELS:

[Laura Yost](#). Death by yellow light. Is this sufficient evidence for you? 15 year old Yost died at Hwy 55 at McCrimmon because the NCDOT ignores the slower deceleration rates and air-brake lag time of a dump truck, and by federal malpractice sets the yellow such that any driver cannot slow down for hazards like Laura without skidding into the intersection and running a red light.

- General Engineering Complaint [#1](#)
- Physics Violations [#1, #2, #3, #12, #14, #15](#).
- General Engineering Violations [#2, #2a, #2b, #8, #10, #13, #22, #23](#)
- MUTCD Violation [#1](#) – This violation is that against a federal *standard*, illegal in every State. This violation alone is enough to convict the NCDOT of wrongful death. Russell Thompson is the key person behind this failure.

I now conclude your complicity in wrongful death. Regarding additional complicity, I just discovered that NCBELS teaches 25,000 NC engineers to misapply the yellow formula and that nationally NCEES teaches 800,000 engineers incorrectly. http://redlightrobber.com/red/links_pdf/FE-Reference-Change-Intervals.pdf.

Even if engineers understood what measurements to plug into the formula and understood the application of the formula, the formula still remains explicitly wrong in 7 States. Not even ITE makes that error.

What the handbook should say, or better yet should say nothing at all, is: http://redlightrobber.com/red/links_pdf/Yellow-Change-and-Red-Clearance-Solution.pdf

The boards of engineers are ultimately responsible for changing the federal guidelines. The boards regulate the nation's engineers; the nation's engineers do not regulate the boards. The boards are in the loop and in control, not people like me

As for the late Miss Yost, I am sure you will seek the advice of the police who certainly know engineering matters, or your traffic engineers who would surely admit their guilt had they understood the physics. I am certain you will seek the advice of civil engineering and physics professors at NC State, just like you sought the advice of the professors and engineers I listed in my complaint.

Brian Ceccarelli
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