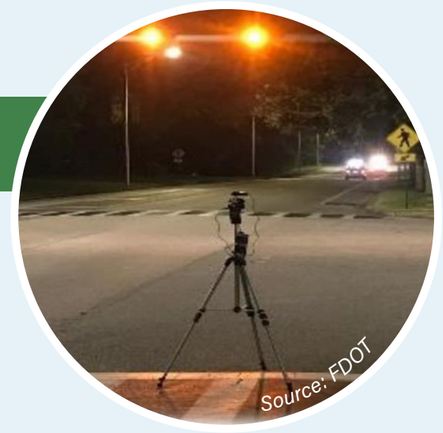
Proven Safety Solutions

LIGHTING

What about **lighting?**



- Improving safety on our roads; it's as simple as **turning on the lights**.
- Across the country, LED lights are replacing traditional sodium lights to make our roads **brighter**.

Why is adequate lighting so important?

Fatalities are **3x** likelier to occur at night than during the day.
(Source: FHWA)

80% of pedestrian fatalities in Florida occur in dark conditions.
(Source: FDOT)

Higher speeds at night become **dangerous** when cars can't stop within the distance illuminated by headlights.

Did you know?

New lighting technology can be directed exactly where it is needed and not more, so that:

Lighting can reduce the crashes with fixed objects, such as poles, trees and barriers.

Lighting can be precisely aimed, protecting the night sky and avoiding adjacent homes.

Office of POLICY PLANNING
Florida Department of Transportation

Does better lighting even **work**?

Yes!

Improved lighting leads to fewer...

42% ↓ pedestrian intersection crashes after dark

33-38% ↓ crashes at rural and urban intersections after dark

28% ↓ rural and urban highway injury crashes after dark

(Source: FHWA)

Scan to read more information on the benefits of improved lighting at https://tinyurl.com/FHWASafetyLighting

Why LEDs?

Compared to traditional lighting, LEDs...

Use 25-50% less energy

Last 10x longer

Adaptive color temperature can maximize visibility and increase safety *(traditional lights only have one color temperature)*

LEDs have already **saved lives** in Florida.

Statewide Lighting Retrofit on 2,500 intersections from 2015-2021

→ Improve lighting could cut nighttime crashes by **nearly 80%** *(Source: FDOT)*

Busch Blvd in Tampa pedestrian crosswalk lighting

→ Reduced **over 50%** of nighttime fatality and injuries *(Source: FHWA)*

State Road 30 near Pensacola Bay lighting retrofit

→ Reduced **over 70%** of bike/ped fatalities and **100%** of vehicle fatalities over 6-year period *(Source: FHWA)*