

# Building a Resilient Infrastructure After Hurricane Season

Hurricane season devastated Louisiana's transportation infrastructure in 2020. In response, the Louisiana Department of Transportation and Development (LADOTD) relied on HeadLight's technology to make roads safe for first responders and residents.

**5**

named hurricanes made landfall in Louisiana



The state record for most strikes in a single season

**150**

mph wind speeds recorded during Hurricane Laura



The strongest wind speeds on record

**360,000**

people in Louisiana were left without power



26,000 line workers were deployed to help



## Roadblocks to rebuilding

Debris-choked roadways made it difficult to rebuild infrastructure and help affected communities.



Repair teams



Line workers



Emergency responders



Residents

All essential roads cleared for safe travel



## A trusted partner for a massive cleanup

LADOTD used HeadLight's photo-based inspection technology to get the high-quality field data needed to efficiently coordinate road cleanup efforts. **Here's how it worked:**

LADOTD highway inspectors used HeadLight to capture images of road-blocking debris from the safety of their vehicles:



**GPS stamp** gave precise coordinates to areas of concern



**Spreadsheet function** made it easy to estimate debris quantity



**Over 2,100 observations** were captured during the hurricane season



**3x more inspection observations** were collected and shared by inspectors using HeadLight (compared to traditional inspection process)

Coordinators knew the exact amount of debris in various areas:



Resources were efficiently deployed to high priority routes



Road workers and cleanup crews knew exactly where to go



High-priority healthcare and supply chain routes were identified



Photo inspection aided FEMA in identifying damage areas



## Roads restored in record time

HeadLight's photo-based inspection technology helped clear roadways more quickly than ever, allowing rebuilding efforts to begin.



Line workers and emergency responders gained access to affected areas



Essential service routes were reopened for healthcare needs and supply chain deliveries



Residents were able to return home and access essential resources



HeadLight was able to capture images and observations even when the state data center was offline and the power was off.

HeadLight kept working hard throughout an unrelenting hurricane season — allowing LADOTD to mobilize and rebuild.

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