

CONSTRUCTION QUICK FACTS

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EXPRESSWAY
AUTHORITY

PILOT PROJECT: 3D LASER SCANNING CRASH SCENE INVESTIGATION

To help reduce accident clearance times and improve safety, the Central Florida Expressway Authority (CFX) has partnered with the Florida Department of Transportation, MetroPlan Orlando, the Florida Highway Patrol, and the Orlando Police Department on a collaborative Pilot Project to research advanced technologies and methods for investigating crash scenes.

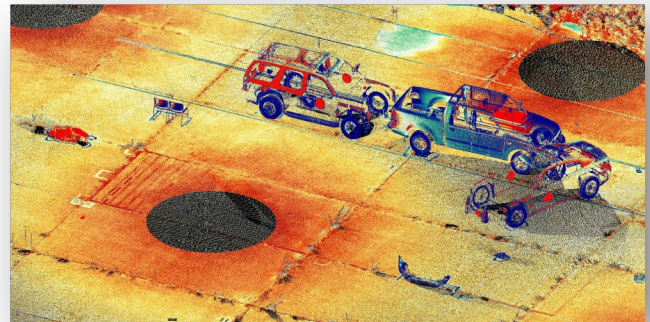
The Crash Scene Investigation Pilot Project is designed to test and verify the effectiveness of various 3D Laser Scanning products and then determine the best system for use in future crash scene investigations. 3D laser scanning uses LiDAR technology, which is short for Light Detection and Ranging. LiDAR measures distance by illuminating a target with a laser and analyzing the reflected light.

The Pilot Project focuses on crashes involving fatalities - which must be treated as crime scenes. In these instances, police must document exact details of the accident site and record a wide array of information such as road conditions, position of the vehicles, occupants and debris. Traditional survey methods for fatal accidents can result in lane and road closures lasting 4-6 hours. The aftermath of a crash poses safety risks to incident responders and motorists, and increases the likelihood of secondary crashes.

PILOT PROJECT OBJECTIVES:

- Delays
 - Reduce Roadway Clearance times
- Safety
 - Reduce secondary crashes
 - Reduce time requiring road/lane closures
- Cost Benefit
 - Free movement of people and goods

During the three-year Pilot Project, data will be collected on the 3D laser scanning systems which will be used for performance measure reports. At the conclusion of the Pilot Project, a final 3D laser scanning system recommendation will be made.



PUBLIC INFORMATION

For more information, contact CFX at Ph. 407-690-5343, E-mail Brian.Hutchings@CFXway.com or visit www.CFXway.com.

QUICK
FACTS

PROJECT START
Summer 2016

ESTIMATED COMPLETION

The Pilot Program is expected to take approximately three years and to be completed in Summer 2019

PROJECT COST
\$270,000 (Estimated)

The regional Central Florida Expressway Authority is responsible for the planning, design, construction, operation, and maintenance of a 109-mile limited-access expressway system to serve the four county region. CFX's system includes SR 408 (Spessard L. Holland East-West Expressway), SR 528 (Martin Andersen Beachline Expressway), SR 417 (Central Florida GreeneWay), SR 429 (Daniel Webster Western Beltway), SR 414 (John Land Apopka Expressway) and State Road 451.

Central Florida Expressway Authority: 4974 ORL Tower Road, Orlando, Florida 32807
Phone: 407.690.5000 | Fax: 407.690.5011 | Email: construction@CFXWay.com

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