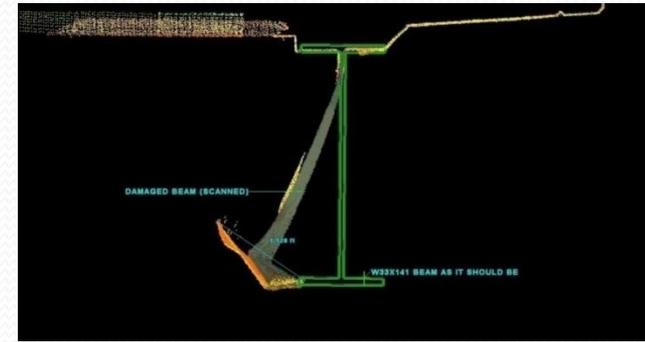


Structures Group Objectives

- Data Collection
 - Remote sensing data (flyover)
 - Bridge LiDAR scan data (20 bridges)
 - Bridge data collection (Charlotte-Mecklenburg)
- Domain Knowledge Modeling
 - Establish domain knowledge rationale
- Remote Sensing Data Analysis
 - LiDAR Bridge Defect Analysis (LiBE)
 - Infrared Thermography



Darling Survey and Environmental Co., AZ



LiDAR Scan and LiBE System

Functionality

- Construction delivery
- Image Documentation
- Geometry Estimation
- Structural Deformation Measurement (impact)
- Bridge Clearance Determination
- Structure Defect Detection and Quantification (mass loss)

