



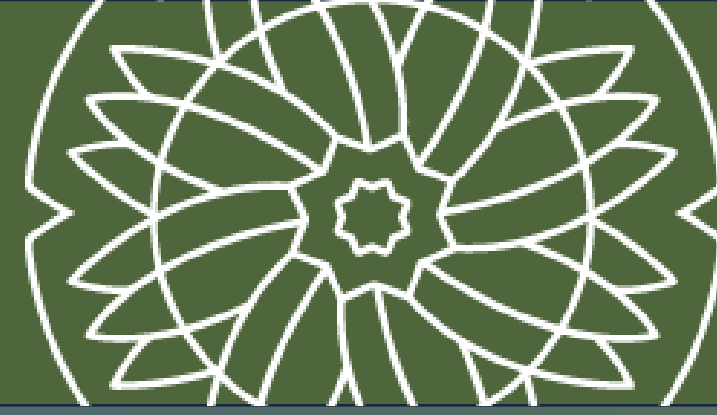
GARLAND

Using Detection Video for Crash Analysis

TexITE Houston - April 2026

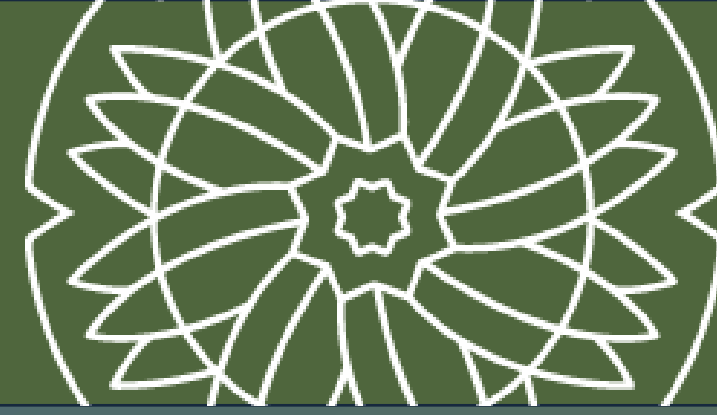
Paul Luedtke, Transportation Director

Arnoldo Pasillas, Graduate Engineer



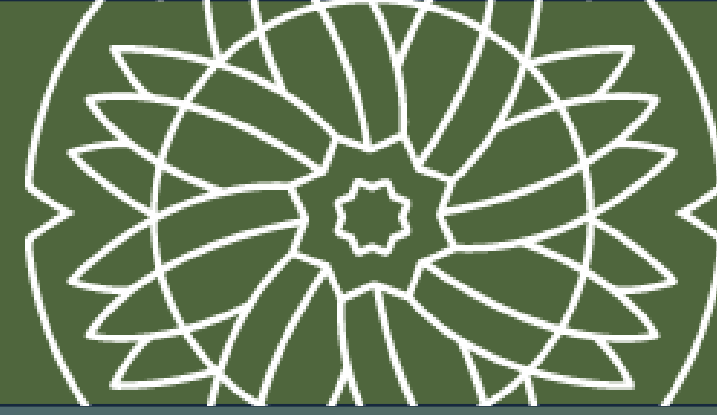
- ❖ Crash reports are subjective and second hand
- ❖ Crash reports often don't contain helpful data
- ❖ Video of actual crash would provide greater insight into cause of crashes

Video Detection System



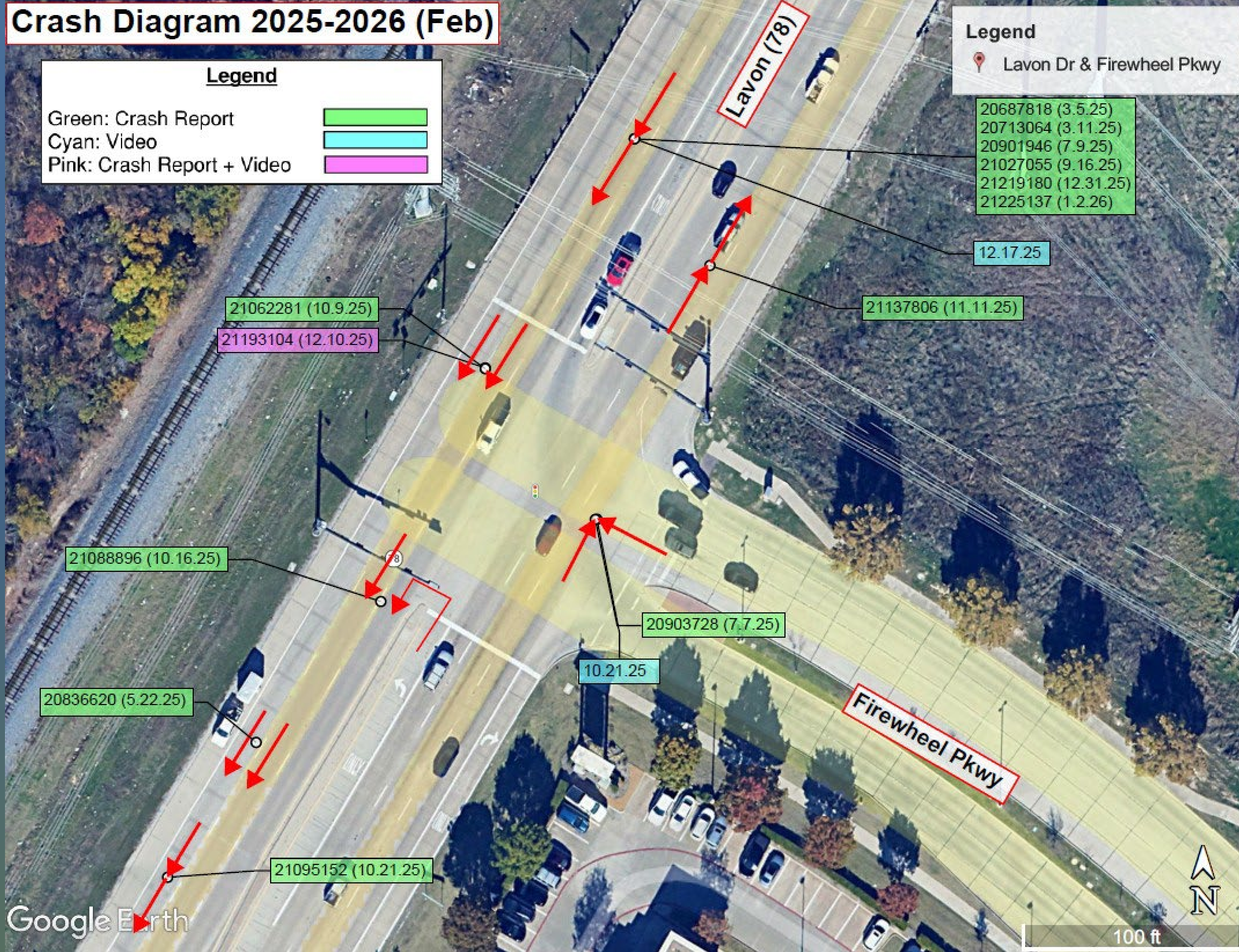
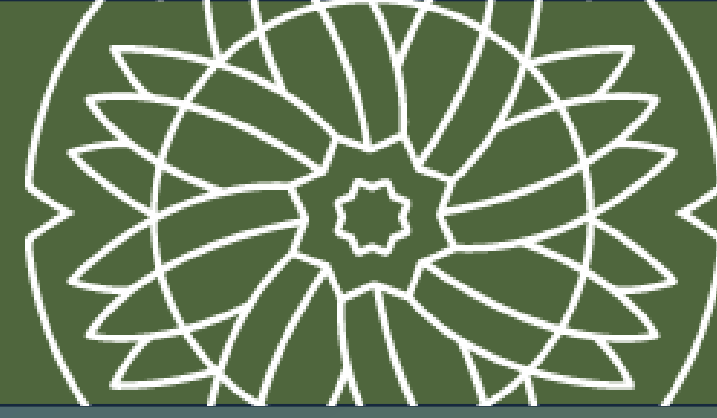
- ❖ NoTraffic video/radar detection – 4 intersections
- ❖ Monitored by NoTraffic team 24/7
- ❖ AI detection of stalled cars and crashes
- ❖ Email sent to City when crash occurs
- ❖ Video requested by City of actual crash
- ❖ 3 intersections
- ❖ Data from March 2025 – March 2026

How it's going...

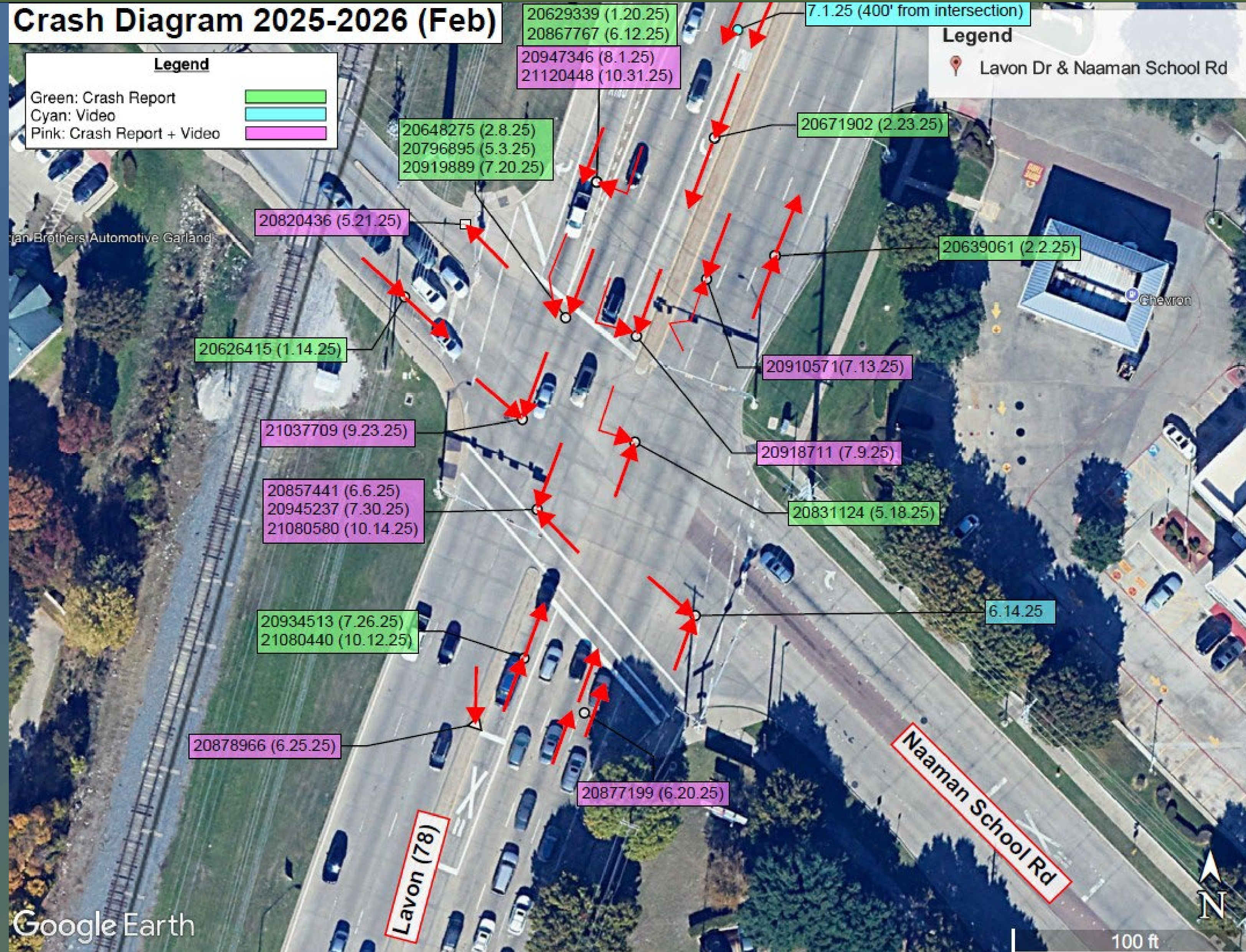
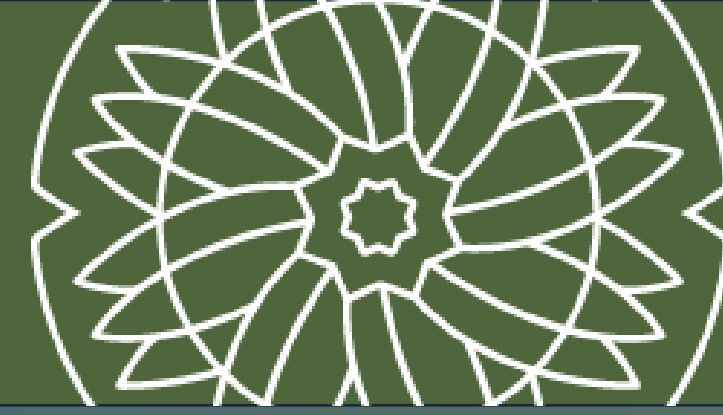


- ❖ Video Storage legal and data size constraints
- ❖ FOIA requests
- ❖ Use by Police
- ❖ Many crashes not detected by video
- ❖ Some crashes not reported to police

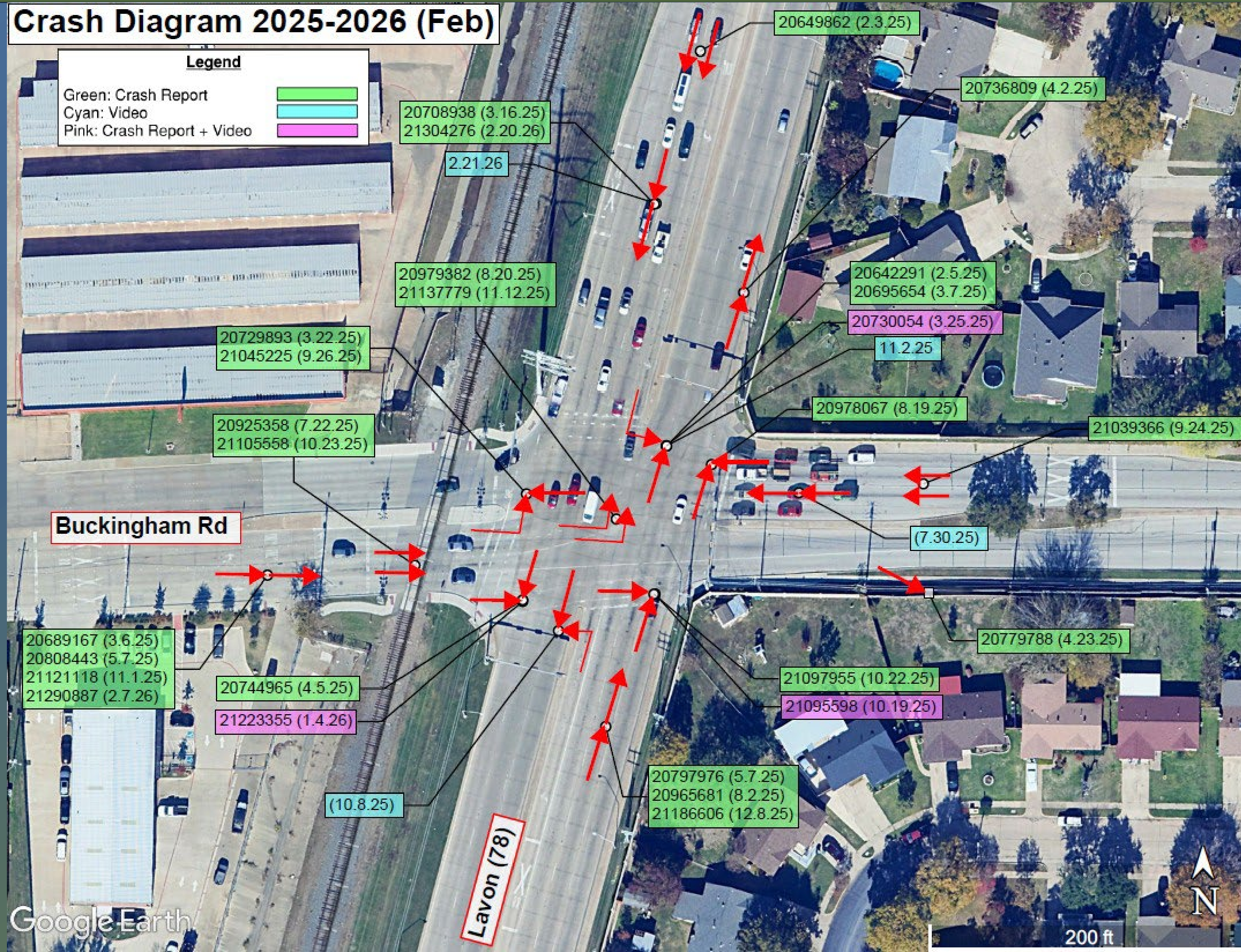
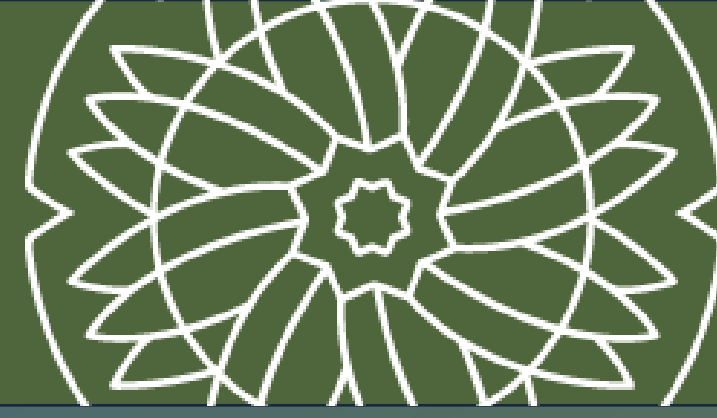
Crash Diagram – Firewheel Pkwy & Lavon Dr



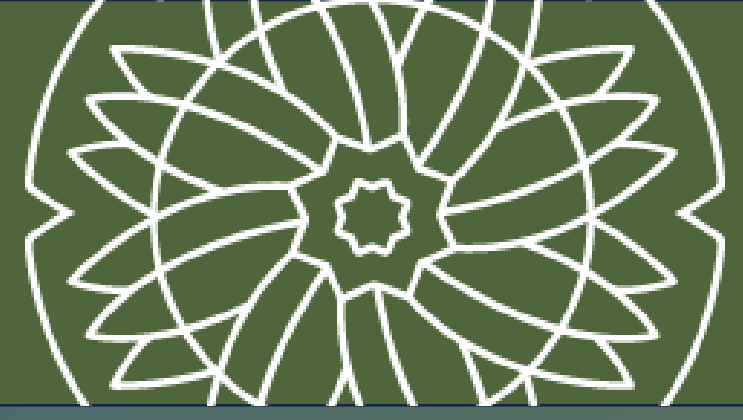
Crash Diagram – Naaman School Rd & Lavon Dr

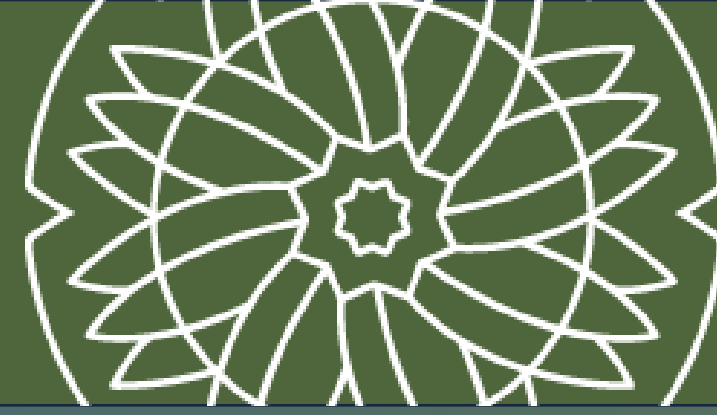


Crash Diagram – Buckingham Rd & Lavon Dr



Videos of Crashes





- ❖ Police reports were an accurate representation of what happened
- ❖ Can be useful to Police in determining fault
- ❖ Video has not resulted in any additional insight into cause of crash over and above the police reports
- ❖ More serious crashes than are reported
- ❖ People do very dumb things
- ❖ Only way we achieve Vision Zero is with self driving cars

Be Safe Out There!

Questions?

