

Company Name: Rekor

Project Title: Implementing AI in TxDOT Austin with Rekor Command

TxDOT is an innovative transportation agency that has been an early advocate for the power of artificial intelligence (AI) to support their growing regions' needs. After thoroughly researching the capabilities of the platform, Rekor Command was implemented in TxDOT Austin District in 2023 with the goal of leveraging AI and machine learning to enhance detection for faster traffic incident management, improving traffic management center operations, and improving overall safety relative to traditional approaches.

Leveraging Rekor Command, TxDOT Austin District has been able to detect more incidents faster, with high precision, leading to faster clearance and ultimately safer roads.

- 159% increase in incidents detected
- 8.4 minutes faster median detection time
- 83% of all incidents detected matched ground truth
- 44 minutes faster clearance
- 29% reduction in secondary crashes

These statistics show the significant impact Rekor Command has had on operations and the resulting economic savings, but again, the most important statistic isn't a number at all, but how technology is impacting the lives of real Texans. One example of this impact is a recent incident involving a Texas senior. Rekor Command detected an incident, prompting the operator to look at the nearest CCTV camera to try to confirm. The standard view on the CCTV camera did not show the incident, but because Rekor Command had detected it, the operator zoomed in further. As they zoomed into the area, they caught sight of the incident. They could tell that this was a senior person with a flat tire who had pulled over onto the shoulder to try to change the tire themselves. Without Rekor Command, the standard CCTV camera sweep would have missed the incident, leaving this person on the side of the road by themselves as traffic continued passing. But with Rekor Command, the operator was notified and validated the incident quickly, enabling them to promptly dispatch a HERO unit who arrived in minutes to change the tire and get the citizen off the roadway and on their way safely and efficiently.

Hosted By:



In Partnership With:



Built By:

