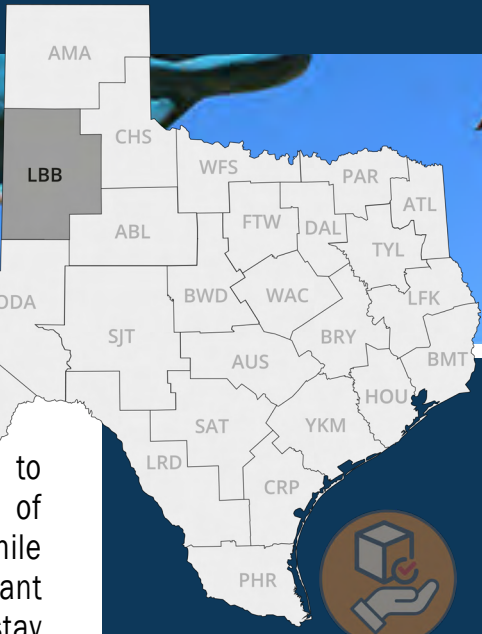


TxDOT Innovations and Technology Deployment Briefs

Shift from Cameras to Radar



PROBLEM

Many TxDOT roads are monitored to provide the best possible information to travelers and appropriate response to accidents. There are many types of monitoring systems which can be used, each with their own pros and cons. While nothing is 100 percent effective all the time, radar offers significant advantages over other monitoring solutions as it allows TxDOT personnel to stay off the roadway and out of danger as much as possible.

SOLUTION

Over the past decade, the District has been converting their closed-circuit television (CCTV) camera to radar detection. Radar monitoring solutions typically monitor speed, volume, lane occupancy and other parameters and can do so on a lane-by-lane basis, automatically. A CCTV requires a remote operator to view the video stream and determine the conditions.

BENEFITS

The radar devices are located adjacent to the roadway, mounted in the corner of a signal pole. If any maintenance needs to be performed, it is usually done off the roadway to reduce the risk of an accident.

Radar technology works well in all weather conditions. There is little maintenance, reduction in callouts, and no lenses to be cleaned.

DATA SOURCES

This CCTV provides data for safety monitoring.

PROACTIVE APPROACH

Moving radars to a safer location for signal crews helps to protect TxDOT workers in the field.



PROJECT DELIVERY



CUSTOMER FOCUS



FOSTER STEWARDSHIP



PRESERVE ASSETS



OPTIMIZE PERFORMANCE



PROMOTE SAFETY

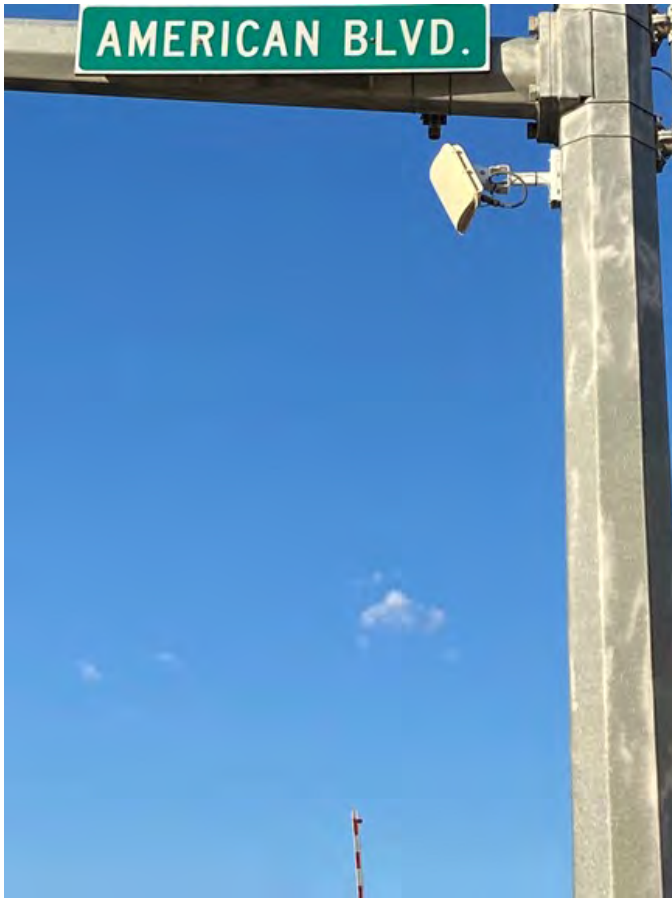


VALUE EMPLOYEES



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Radar mounted on a traffic signal pole out of the lane.



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