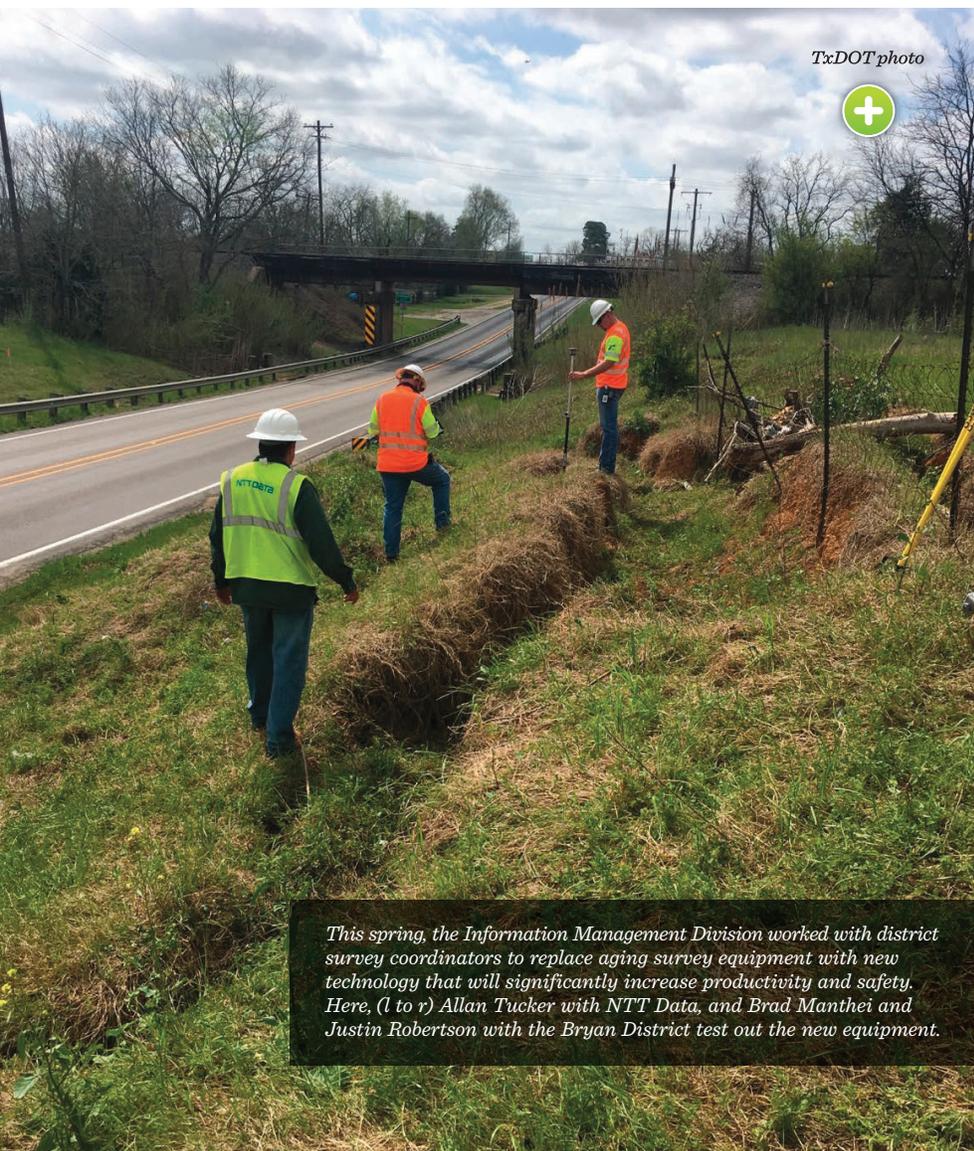


SURVEY SAYS: NEW EQUIPMENT ENHANCES SURVEYING AT TxDOT



This spring, the Information Management Division worked with district survey coordinators to replace aging survey equipment with new technology that will significantly increase productivity and safety. Here, (l to r) Allan Tucker with NTT Data, and Brad Manthei and Justin Robertson with the Bryan District test out the new equipment.

This spring, the Information Management Division worked with district survey coordinators to replace aging survey equipment with new technology that will significantly increase productivity and safety. The new equipment enables land surveyors to collect more precise surveying data.

The new equipment, including the Trimble SX10 Scanning Total Station, merges high-speed 3D scanning, enhanced imaging technology and high-accuracy total station measurements into familiar field and office workflows for users.

“These 3D scans are much more detailed,” said Claudio Nunez, business relationship manager with the Information Management Division. “Surveyors can save trips because they get so much information with their initial scan.”

Surveyors can also include 3D scanning as part of their everyday workflows, dramatically increasing productivity for topographic surveys, roadway and corridor surveys and volumetric surveys.

The Trimble SX10 is coupled with a rugged tablet and can be operated remotely. A field surveyor can control the device from a point beside the road, making the surveying process much safer.

The new equipment also includes an R10 GNSS receiver to collect accurate survey data using GPS satellites. GPS data points allow for precise measurements and improve the quality of the data collected.

Considering that the new equipment will save time, improve safety and provide greater accuracy, it’s not surprising that surveyors were eager to get started with it.

“This was the fastest, most efficient implementation of a project that I’ve ever seen,” said Nunez. “We worked

with the district survey coordinators to remove the old equipment and then issue the new technology to the appropriate people. We also provided training. Our employees have really embraced the new technology.”

With this equipment refresh, TxDOT will be able to streamline, improve and standardize its processes and significantly increase productivity. The Information Management Division supports new technology and tools that will help the agency fulfill its mission. **TN**

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*Claudio Nunez,
Business Relationship Manager*

TxDOT photo



Allan Tucker (right) with NTT Data demonstrates the new surveying equipment to Brad Manthei with the Bryan District. A field surveyor can control the new devices from a point beside the road, making the surveying process much safer.