AT&T continues developing and delivering Internet of Things (IoT) solutions to help make our cities and communities smarter, safer, and more efficient. We’re currently testing a new structure monitoring solution that will help improve the safety of our roadways and railways.

This comes in addition to our Smart Cities work with several U.S. spotlight cities, which includes a unique initiative that tests our Smart Cities framework in select cities and municipalities across the country. U.S. infrastructure is aging and in disrepair. Almost half of U.S. bridges are more than 50 years old.1 Organizations normally rely on visual inspections to assess the state of our roadways and railways. Since many are in remote locations, it is difficult to regularly assess. And many of the remote monitoring alternatives use older technology solutions that are bulky and not suited for the long-term.

We’re set to deliver a solution so teams can monitor structural and environmental factors remotely in near real time.

“Safety is a top concern of citizens and cities alike. This concern extends beyond the realm of crime and natural disasters. It also includes the safety of our infrastructure,” said Mike Zeto, general manager, AT&T Smart Cities. “We’re pleased to test this solution, which will allow for smart infrastructure analysis and monitoring.”

With AT&T Smart Cities Structure Monitoring, selected infrastructure will receive AT&T LTE-enabled sensors to remotely monitor structural factors. The sensors, which measure things like cracks and tilts, also feature alert triggers and email alerts to capture significant events.

How will this benefit organizations and the community?

- Help improve safety and planning
- Fewer manual inspections can lower operational costs
- Organizations can monitor structures in near real time using the internet, all they need is a web-enabled device

To learn more about AT&T Smart Cities, go to att.com/smartcities.

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12017 Infrastructure Report Card, American Society of Civil Engineers