

Analyzing the Impact of Autonomous Maintenance Technology to Transportation Infrastructure Capacity for Condition Monitoring and Performance Management (Year 1)

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- ❑ Develop models and algorithms to reveal the fundamental operating mechanism of autonomous maintenance technology, analyze its impact to transportation capacity for infrastructure condition monitoring and performance management
- ❑ TriDurLE \$52,312 & 1:1 match from Colorado DOT
- ❑ July 2020 – June 2021, Rolla Missouri



AMT for Transportation Condition Monitoring and Performance Management (Year 1)

- Reduce work zone worker fatality with autonomous vehicle technology
- Improve traffic flow efficiency with reduced vehicle delay and queue length
- Enhance transportation infrastructure condition monitoring and performance management
- Develop cutting-edge autonomous vehicle technology for transportation infrastructure maintenance