

# Peters Township, PA

Peters Township manages 112 miles of roadway in southwestern Pennsylvania and has an impressive record of zero failing roads. Similar to many local communities, they spend precious time and effort on visually assessing their road network and making strategic choices from this data.

With an obvious grasp on how to best manage their resources, could they improve on their already impressive system?

By adopting RoadBotics road assessment technology, they were able to save valuable time in their process while more easily identifying maintenance opportunities.

## Challenges

- **Slow Process:** For over ten years, Peters Township engineers would visually record Pavement Condition Index (PCI) ratings every three years. The survey process, including driving the network and entering data from survey sheets, would take up to two months.
- **Room to Optimize:** A portion of Peters Townships maintenance strategy revolves around resurfacing approximately five miles of roadway annually. Every three years, based on the PCI results, they identified the worst 15-20 miles of roadway as the starting point for determining their resurfacing plans. No preventative maintenance was considered on any of these roads, as they were generally over ten years old and beyond the point where preventative maintenance was beneficial.



### CLIENT

Peters Township, PA

### CHALLENGES

- Time-consuming visual pavement condition survey process
- Maintenance strategy needed to be optimized

### SOLUTION

- RoadBotics by Michelin: Fast, objective, affordable road assessment

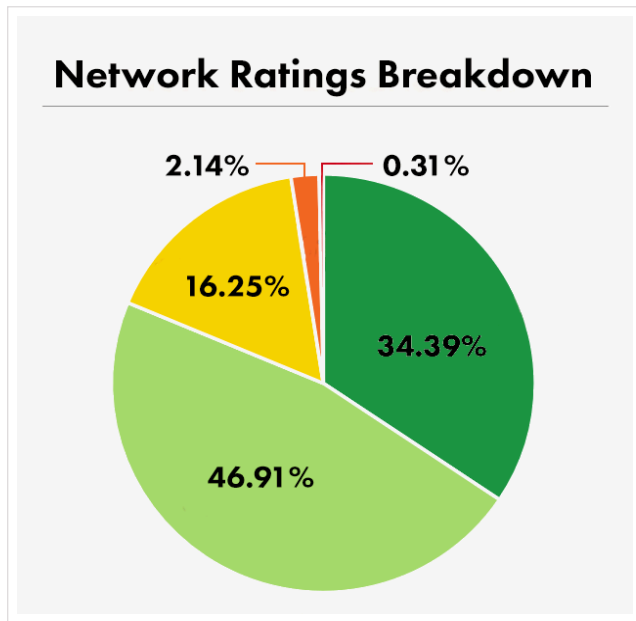
### RESULTS

- Received their network assessment in under 1 month
- Objectively determine which roads are in the worst condition
- Their assessment provided feedback on their decisions and allowed certain aspects of planning to be done remotely.

# Solution

Striving to increase efficiency, Peters Township officials adopted RoadBotics by Michelin's pavement assessment and management software. Through their RoadBotics by Michelin subscription, Peters Township tackled their key challenges in the following ways:

- **Saving Time with Smartphone Collection:** In 2020, Peters Township was able to receive their objective road assessment in less than 1 month. Their assessment was completed using RoadBotics by Michelin's smartphone apps, RoadSense & RoadNav, and then automatically uploaded and rated by RoadBotics by Michelin's artificial intelligence (AI) algorithm. Ratings were generated for every 10-foot section of road, and corresponding high-definition images (1080p) were accessible through the RoadWay platform.



- **Using RoadWay to Identify the Worst Roads:** Peters Township was able to objectively determine and confirm the worst 25 miles of roads using RoadBotics by Michelin's 1 - 5 rating system, where 1 is dark green, representing the best roads, and 5 is red, noting the worst. After reviewing and sub-ranking those initial 25 miles, they used the assessment to create a new three-year plan. The assessment provided objective feedback

on their decisions, and the online platform allowed them to perform some aspects of their planning remotely.

“ In short, RoadBotics is a tool to help us reinforce what we're doing.

- Peters Township Director of Engineering

## Additional Advantage:

RoadWay allowed Peters Township to objectively track other maintenance efforts, like their use of Reclaimite®, a Maltene Replacement Treatment. They have been utilizing this technology routinely for over 20 years.

## Conclusion

Through the imagery on RoadWay, they were able to see the positive impact their maintenance efforts have had on their road network.



Empowering cities to assess roads objectively using artificial intelligence

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