Michigan Department Of Transportation Optimizes Road Infrastructure Projects with Planisware to Maximize Funding and Efficiency

$2.1B
Annual Budget

2,410
Full and part time employees

9,964
miles of state highway systems managed

Michigan Department of Transportation adopts Planisware Enterprise to manage projects and generate schedules for road design projects using standardized parametric estimation or algorithms based on individual project attributes.

Challenge

Similar to other departments of transportation (DOT), Michigan DOT is faced with an aging infrastructure of roads which must be improved and maintained based on decreasing funding sources. These fund sources are complex and stipulate specific funding windows where funds not consumed are lost. Due to this, Michigan DOT has a constantly changing program of projects to utilize available funding. Their focus on completing projects in the given funding window makes monitoring projects and rescheduling projects a big part of their program management to utilize the available funding.

> " *The biggest success of this implementation was change management. We identified the greatest superusers from the very beginning, involving them in requirements gathering, user testing, and even shaping training strategies. They became 'agents of change,' spreading enthusiasm across the organization. By the time training began, people weren't just learning the system—they were ready to embrace it."*
>
> **DOT Project Manager,
> Xriver Technologies**

Solution

Michigan DOT selected Planisware Enterprise for its project management functionality and its ability to support the creation of customized resource-loaded project schedules based on attributes and standardized algorithms. Michigan DOT had been using a network generator for over 20 years to create project schedules using a complex set of equations.

The native Planisware equations capability enabled Michigan to utilize their institutional knowledge to continue creating project schedules using algorithms, attributes and templates.

This prepared Michigan DOT to be able to respond to the ever-changing program of projects and enabled them to generate new schedules whenever attributes or timelines changed. With the generation of each new schedule project resources were also re-aligned and passed downstream for execution.
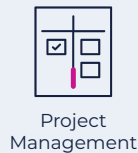
351
Users

1,088
Active Projects

On Premise
Implementation

Modules in use:

Project Management

Portfolio Management

Resource Management

E-Learning