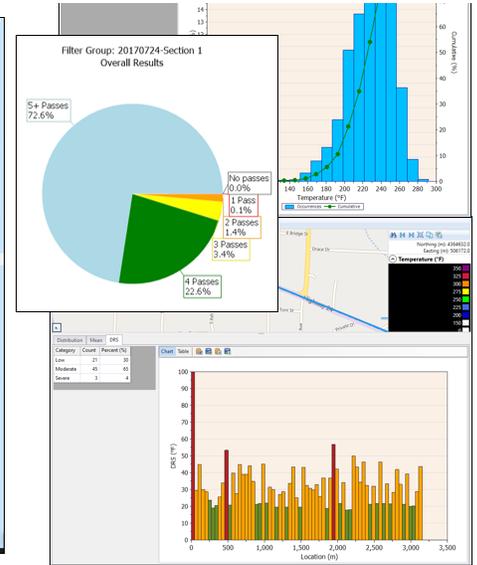
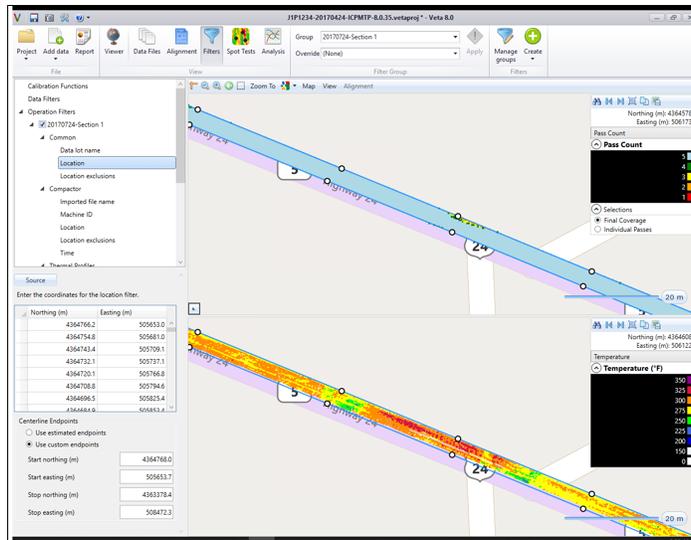


Asphalt Performance Tests



Description and Benefit

MoDOT has conducted research with Balanced Mix Design (BMD) for asphalt mixtures applying the Cracking Tolerance Index (CTindex), Hamburg Wheel Track (HWT), and Tensile Strength Ratio (TSR) performance tests for asphalt mix evaluation. MoDOT has also used Intelligent Compaction (IC) and Paver-Mounted Thermal Profile Systems (PMTPS) to monitor asphalt placement and compaction efforts on several pilot projects. With the continuation of these endeavors, MoDOT proposes deployment of BMD, IC, and PMTPS technologies to reduce destructive testing, improve construction practices, and improve the overall asphalt quality. Deploying BMD, PMTP, and IC design and construction innovations will increase pavement performance, eventually reducing maintenance costs, and extending the life of asphalt pavements. When these technologies become mainstream, the amount of inspection work and exposure to work zones will decrease.

For More Information Contact

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