Intelligent Compaction Open Houses

In July, Mn/DOT hosted two open houses demonstrating the use of intelligent compaction equipment on roadway grades within Minnesota. Single drum rollers, supplied by several different manufacturers, determine stiffness of the roadway grade in real time. GPS equipment on the rollers allows the operator to view a map inside the roller cab showing roller location and the quality of compaction across the entire surface of each lift.

Caterpillar, Bomag and Ammann demonstrate their intelligent compaction equipment at an open house on July 17, 2006 at the MnROAD test facility in Albertville, Minnesota.
Caterpillar demonstrates its intelligent compaction roller equipment at the six-mile reconstruction project along T.H. 64 south of Akeley, Minnesota on July 20, 2006 at the White Oak Township Hall. The special provisions for the project require the contractor to provide intelligent compaction equipment for the quality control (QC) compaction testing of the grade.

A White Oak Township Hall mural advertises businesses dating back to the early 1900s.
Jean Wallace from the FHWA, Dean Potts from Caterpillar and Doug Differt, Mn/DOT’s deputy commissioner, talk about the use of intelligent compaction in Minnesota. Caterpillar’s intelligent compaction roller is in the background.

Dr. David White, Iowa State University assistant professor, shares the latest findings on field validation of intelligent compaction monitoring with attendees at the T.H. 64 on July 20, 2006. Sixty representatives from Mn/DOT, local governments, contractors, manufacturers and academia attended the open house.