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Activity-Centric Asset Management for Bridges, Paradigm Devolution

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MnDOT's implementation of an activity-based bridge management tool focused primarily on field data collection, audit-able processes for inspection review and response driven maintenance follow-up workflows has trudged through the initial season only to find the win and lose columns closely tied. The overall user acceptance, ease of use, cost of operation and flexibility score highly while management of physical assets, reporting on historic and trend data, extraction of summary or system-wide reports and a finicky ETL needed to push data into a warehouse tool rank equally on the work outstanding side. This is a review of the lessons learned by MnDOT's Bridge Office during the initial implementation of their software as a service (SAS) for the Structure Information Management System (SIMS). The system boasts a browser-based interface, checkout-able records for at-site inspections and Google Map based interface for inventory display and analysis.