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14. Supplementary Notes			
15. Abstract Objective The objective of this study is to evaluate the technical and cost feasibility of transitioning to low-cost temperature sensors in place of pavement condition sensors presently used within environmental sensor stations across North Dakota. Scope The scope of work to be performed is divided into three categories: 1) instrumentation selection and accuracy evaluation, 2) sensor integration within NDDOT ESS and associated data management considerations, and 3) cost analysis of transition to alternative pavement temperature sensors. Summary It is the opinion of the project's research team that the opportunities afforded by an open architecture ESS clearly outweigh the challenges or barriers to its success. Since the open architecture can co-exist with the present proprietary architecture through development of appropriate system integration software, the transition from a fully proprietary architecture to a fully open architecture can occur over time. As existing proprietary ESS become unusable or obsolete, they would be replaced with an open architecture ESS.			
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