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PENNDOT's Roadside Spray Future is with RoSA

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This paper will describe the Roadside Spray Application (RoSA) developed by GeoDecisions for PENNDOT. The purpose of this web-based GIS application is to assist the PENNDOT District Roadside Spray Specialists with collecting, storing, and reviewing herbicide spray activity along state highways throughout the state of Pennsylvania. The output data from this application will serve as a status report for the districts, state, and outside agencies (e.g. Department of Agriculture, EPA).

The main problem being faced today by this business function is that all data collection is performed on paper media. This causes District Roadside Specialists to tally results, sums, and summary reports of the spraying by hand. The users and employees of this business function are spread out across all levels of PENNDOT (central office, districts, counties) and also include outside contractors. This application centralizes the roadside spraying processes and the data being stored.

RoSA is a web-based spatial application being developed with Microsoft's .NET development technology. This is the first application developed for PENNDOT's GIS Division by GeoDecisions using this new technology.