

NEW YORK STATE GIS ASSOCIATION

# 2017 GIS Applications Award WINNER

## CITY OF ROCHESTER PLOWTRAX

Snow removal in Rochester, NY is a complex operation. The City has up to 150 vehicles plowing over 500 miles of city streets, a mix of city-owned and contracted plows, and snowfall of about 8 feet a year. Ensuring that every street gets plowed has historically been a difficult task, with numerous streets remaining unplowed. The City's Operations Department desired a way to track the progress of the snow removal operation to: ensure that all streets had been plowed, convey to the public the status of the operation, allow for better communication with our snow inspectors, and coordinate messaging with our 311 call center. The City's IT/GIS group used components from Esri's ArcGIS Platform to create a real-time application that included a public-facing web application, a real-time streaming of two different AVL systems into ArcGIS GeoEvent Server, and an ArcGIS Operations Dashboard in the snow team office, to track completion by plow route, and to show un-plowed streets.

It is with great pleasure that we recognize City of Rochester IT/GIS group for their achievements in the development of Plowtrax.



Awarded: October 2017



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Colin Reilly, President