

## **Beach Park participating in Pavement Management Study**

The Chicago Metropolitan Agency for Planning (CMAP) has contracted with Applied Research Associates, Inc. (ARA) for the road assessment and pavement management implementation in the Village of Beach Park.

***Residents may see a vehicle like the one pictured below traveling on roadways between September 23, 2020 and October 2, 2020.***



Weather permitting, data collection being done by the vehicle will be complete by October 2, 2020.

Applied Research Associates, Inc. (ARA) will conduct an evaluation using one of their high-tech Multi-Function Vehicles (MFV) for pavement evaluation. Navigating its way at posted speeds through the streets of each town, ARA will capture high quality digital images and laser data of pavement surfaces. The data will be used to perform a comprehensive analysis of the condition of Agency maintained roadways. Lasers on the MFV can measure the change in road surface within two-thousandth of an inch, or roughly 1/2 the thickness of a piece of paper in a single pass to identify cracking, rutting, texture, potholes, raveling and roughness. The MFV will also collect digital images every 20 feet with high definition cameras (forward, left, right and

Engineering staff at each agency will be able to use the data to manage street maintenance in the most cost effective and efficient manner for our short and long term roadway maintenance program. A combination of preventative maintenance techniques from crack sealing and patching, to asphalt resurfacing when a road surface has reached the end of its service life, can be used to ensure smooth, safe and economical pavements across a roadway network.