

# Combining AI and Drone for Underground Inspections



Macomb County Public Works Office launched the first-in-Michigan combination of artificial intelligence and drone technology to greatly improve inspections of critical underground infrastructure.

The cutting-edge, combined inspection method involves 4K video recorded by the drone flown with improved lighting. Video is uploaded and efficiently analyzed and scored by the AI software program.

Previously, video took many hours by consultants to record and numerous hours to analyze. Results help prioritize where maintenance, rehabilitation or replacement of underground infrastructure is needed.



Improve PACP rating detection



Safely assess pipe conditions