



**CITY OF WASHINGTON, ILLINOIS**  
**Public Works Committee Agenda Communication**

**Meeting Date:** July 18, 2022

**Prepared By:** Dennis Carr – City Engineer

**Agenda Item:** Smoke Testing Update

**Explanation:** 48% of the delineated area has been smoke tested. Due to some vacations, Robinson will not be smoke testing the week of the 18<sup>th</sup> and will resume Monday July 25<sup>th</sup> weather permitting. They have found 453 defects. Of those 453, 97 have been cracked or faulty cleanout caps, 81 have been sealing issues with manholes (pick holes or not air tight lids), 75 have been defects along a private lateral, 57 down spout defects, 40 defects found along our mainline pipe, 13 have been floor drains without P-traps,

Looking at these defects, cleanouts are simple fixes but also do not add a ton of stormwater to the system. The mainline defects have pointed out a handful of sanitary main that we will look into lining, but none of the mainlines identified have been in the creek. While there have been 57 downspouts, half or better are just the remnants of an old connected pipe, but the downspouts have been extended out into the yard appropriately. There are some that are still connected and should be disconnected.

22 other basements got smoke but no one was home and the team just could see the smoke.

Staff is also looking into 20 inlets that showed some smoke. None of the inlets where bellowing smoke like cleanouts, so it's hard to imagine there is a straight connection between the two. It's more likely to be cracks in the pipe or a cracked combination sewer plug.

**Fiscal Impact:** Robinson is currently 48% through the project. This would leave about \$70,000 left in their contract. Part of their report will be a cost estimate to repair each defect as well as the gallons per minute estimate for each defect. This won't be completed until after the smoke testing is completed.

**Recommendation Summary:**