

April AIMS Coordinators Meeting Notes

Date: 4/12/18

Host: WaterOne

- GPS data collection equipment – Kirk
 - EOS Aero 200 series
 - Pole mounted receivers with 1cm accuracy
 - Utilizes MoDOT RTK network
 - Connects via Bluetooth to Panasonic tough pad
 - This is a much better solution than ArcPad was since they are able to see other data, including aeriels, in the field
 - Staff have collected more points in 1 year than they did in last 10 years
- GPS Editing application
 - Staff use this custom application to create, move, and delete points collected in the field
- AGO Main Break application – Jason
 - Helps staff understand how breaks correlate with pressure spikes and pump usage
 - Does not include breaks from contractors
 - Displaying by type shows just as many breaks on ductile iron pipe as old cast iron
- AGO Pressure Gradient application – Dan
 - Designed for both plumbers and engineers
 - Uses elevation contours to more accurately model pressure across the system
 - Assigns approximate pressure value to each contour
- AGO Utility Isolation Trace application – Dan
 - Add-In that uses LGIM schema
 - Works out of the box
 - Includes reporting toolbar and network editing toolbar
 - Helps staff quickly identify which valves need to be turned off depending on the location of a break
 - The tool can also serve as an asset management reporting tool
- AGO Pipes Lite application
 - Web based app for field crews
 - Designed for mobile use
- Drone2Map – Jeff
 - Helps stitch together images captured by drone
 - Used to calculate the volume of dirt
 - What used to take 8 hours for an engineer to map now only takes 20 minutes to fly by drone