Zonar Tools

### How Zonar.py works

The zonar.py library works by handling the HTTPS Post requests. Each method of the Zonar class is commented with what parameters are required, and the return format of the data. A majority of the return data is a XML, that can be iterated like a list. The Zonar.py library’s goal is to bring zonar data into Python. The other tools in the AVL/Zonar/ Folder take the data and turn it into tables, or GIS feature classes.

### VehiclePaths.py

This tool is used to generate point / line paths for vechicles. Users will be asked for a zonar username and password, a date (or date range), the location

### LiveLog.py

This tool will create a feature class ((Set your name on line 47)) of the vehicle tracking that matches the ‘if’ statement on 20 & the queryManybyLocation on line 17. As of May 31, 2016 the script is set to track street sweepers, the bristly and elusive hunter of the streets division.

### LiveLogNoGIS.py

Similar to LiveLog.py this tool was created because I was tired of exporting from the GIS to calculate refresh rate averages (see the RefreshRateCalculation.docx). It creates a spreadsheet to be used.

Most calculations require pivot tables. Pivot tables are a ***great*** tool for statistical work. Microsoft / Online tutorials will explain how to use them.