



VILLAGE OF DOBBS FERRY BOARD OF TRUSTEES
WORKSHOP MEETING AGENDA

MEETING DATE: April 23, 2024
AGENDA ITEM SECTION: Presentations
AGENDA ITEM NO. : 1
AGENDA ITEM: Sam Wear, GIS Consultant/AI Engineers/Dolph Rotfeld Engineering
ITEM BACKUP DOCUMENTATION: 1. AI Engineers Infrastructure Management with Geographic Information Systems (GIS)

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Infrastructure Management with Geographic Information Systems (GIS)

1. Leverages services and support from Village's consulting engineer AIE/Dolph Rotfeld Engineering.
 - i. Upcoming Stormwater CCTV inspections.
 - ii. Upcoming SSES project.
2. GIS is built around a "spatial" data model. *"Everything happens somewhere"*.
3. Integrated with engineering (CAD) and surveying disciplines including mobile and field worker programs.
4. Built with and utilizes industry leading Environmental Systems Research Institute (ESRI) software ArcGIS Online (AGOL).
5. Provides inventory of major village infrastructure systems (sanitary, storm, and water) and related asset features including streets, roads, and bridges.

6. AGOL module (free) also available to map and track the progress of Village Capital Projects.

6. Serves as a digital "library" of available datasets and engineering and surveying deliverables.

7. Allows the integration of various geographic feature data types, including spatial, tabular, and CCTV on location, condition, usage, and maintenance history which supports data-driven decision-making.

8. Westchester County high accuracy digital "base map" provides registration for all mapped systems & features - and a framework for future maintenance and updating.

9. Cloud-based software which can be scaled to needs of the Village (administrative, office & field personnel).

10. Same software and technology used by Town of Greenburgh AxisGIS/Property mapping application.

11. GIS technology can assist the Village towards compliance with regulatory and reporting programs such as MS4.

12. Same GIS content and data used in many other areas of village government including public safety, emergency management, planning, community development, public grounds and facilities.