Lee County GIS Department

Introduction:
Lee County GIS Department provides spatial information to the public and many different departments within the County. Our department manages, creates, and maintains the County's GIS data, digital maps, and applications. The GIS department maintains and upgrades the GIS software services that enrich the entire county with geospatial data and provide the public with information regarding their property.

The ongoing projects concerning the GIS are:

1- Set up a New ArcGIS Enterprise Deployment
ArcGIS Enterprise provides powerful geospatial server technology that allows us to manage the geodata, serve advanced analytics to the organization, improve performance, and allow for future functionality and growth more easily.

To get started with ArcGIS Enterprise, we need to install each of the following components and configure them together to create a base ArcGIS Enterprise deployment. The base deployment is the foundation of ArcGIS Enterprise and creates an end-to-end seamless software experience.

- ArcGIS Server—the core web services component for making maps and performing analysis. (installed)
- Portal for ArcGIS—allows us to share maps, applications, and other geographic information with other people and departments. (installed)
- ArcGIS Web Adaptor—allows us to integrate the ArcGIS Server and Portal for ArcGIS with the existing web server and the organization's security mechanisms. (installed)
- ArcGIS Data Store— allows us to configure data storage for hosting and federated servers used with the deployment. (The kickoff meeting with the Database expert will be on Jan 13, 2023)

2- Publishing New GIS Services and Developing New Map Applications
This step will start after the components installation is complete.

3- Parcel Data Maintenance
Process parcel spits and combinations requests by interpreting the legal description and survey plats for each property to match the current information recorded.

4- E911/ NG911 Data Maintenance
Maintain and manage GIS layers to meet robust public safety quality standards and submit the data through the appropriate program portals.

5- City of Dixon Water Department GIS system

The GIS department hosts a complete GIS system to be used by the water department staff. This system maintains key information, analyzes the data such as the main water lines, wastewater, and stormwater utilities, and shares it throughout the organization to increase efficiency and provide insight for decision-makers.

7- Maintain the Aerial Imagery

Coordinate with the vendors to provide and maintain high-resolution aerial imagery for the entire county to enhance GIS workflows and help different departments make better decisions.

8- Process Data Requests and Map Printing Services

The GIS department provides spatial data and makes paper maps in different scales and sizes to meet the client's specific requests.

Respectfully Submitted,

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