

GEOGRAPHIC INFORMATION SYSTEMS MANAGER
VS
GEOSPATIAL OPERATIONS MANAGER

Job Comparison

JOB SUMMARY

- Geospatial Operations Manager(HD)

Provide coordination, supervision and overall direction of the Highway Department's Geographic Information Systems. This individual is responsible for all phases of GIS development, implementation and maintenance for the Highway Department. In addition to coordinating departmental needs within the Highway Department, this individual will coordinate with other governmental agencies and various private sector entities in order to reap the benefits of developing a department wide GIS system.

- GIS Manager(CIS)

Provide coordination, supervision and overall direction of the County's Geographic Information Systems. This individual is responsible for all phases of GIS development, implementation and maintenance. In addition to coordinating departmental needs within the County, this individual will coordinate with other governmental agencies and various private sector entities in order to reap the benefits of developing a countywide GIS.

JOB DOMAIN SIMILARITIES

GEOSPATIAL OPERATIONS MANAGER(HD)

- 1- Assist in the integration of engineering, design, survey, construction and maintenance department data.
- 2- Develops, implements and maintains software applications as required
- 3- Develops and implements maintenance plans on all GIS systems/databases as required
- 4- Conducts and/or coordinates user training classes as required

GIS MANAGER(CIS)

- 1- Maintain overall Geographic Information System Plan
- 2- Preforms application development, implementation and maintenance as required
- 3- Develops and implements maintenance plans on all GIS systems/databases as required
- 4- Conducts and/or coordinates user training classes as required

JOB DOMAIN SIMILARITIES(CONT'D)

GEOSPATIAL OPERATIONS MANAGER(HD)

- 5- Collects, analyzes and distributes geographic data to support highway department.
- 6- Implements project controls to ensure accuracy and completeness of data and information systems.
- 7- Provide technical support and develops standards related to GIS.
- 8- Perform daily supervisor duties for all subordinates
- 9- Good knowledge of computer operating systems and computer networks

GIS MANAGER(CIS)

- 5- Perform GIS data analysis, data preparation and map creation as required.
- 6- Ensure industry and departmental standards are enforced pertaining to naming conventions, methods and documentation.
- 7- Develop Departmental & Enterprise standards as related to Geographic Information Systems implementation and usage.
- 8- Perform daily supervisor duties for all subordinates
- 9- Good knowledge of computer operating systems and computer networks

JOB DOMAIN SIMILARITIES(CONT'D)

GEOSPATIAL OPERATIONS MANAGER(HD)

- I0- Good knowledge of project management principles, including budgeting.
- I1- Ability to apply GIS software and hardware technology to solve user problems and information needs.
- I2- Ability to plan and organize work in order to set priorities and meet deadlines.
- I3- Ability to relate highly technical issues and respond to questions at a laymen's level of understanding.
- I4- Ability to Communicate effectively, both orally and in writing.
- I5- Proficiently with ESRI ArcMap or ArcGIS Pro(or equivalent) required.

GIS MANAGER(CIS)

- I0- Good knowledge of project management principles, including budgeting.
- I1- Ability to apply GIS software and hardware technology to solve user problems and information needs.
- I2- Ability to plan and organize work in order to set priorities and meet deadlines.
- I3- Ability to relate highly technical issues and respond to questions at a laymen's level of understanding.
- I4- Ability to Communicate effectively, both orally and in writing.
- I5- Should have a minimum of two years experience using ESRI ARcInfo and ArcView

JOB DOMAIN SIMILARITIES(CONT'D)

GEOSPATIAL OPERATIONS MANAGER(HD)

- I6- Possesses a Bachelor of Science Degree in survey, mapping, GIS or a closely related field.
- I7- Possess excellent computer skills.
- I8- Should have a minimum of four years experience as a GIS Coordinator, GIS Analyst or other similar position that demonstrates leadership and technical capabilities in a multisite distributed environment.

GIS MANAGER(CIS)

- I6- Should possess a Bachelor's degree from a recognized college or university in Geography, Computer Science, Information Technology, Engineering or closely related field. Course work should include emphasis in GIS and Computer Science specific studies. Or a combination of education and experience equivalent to these requirements.
- I7- Good knowledge of computer peripheral equipment and graphic output formats.
- I8- Should have a minimum of four years experience as a GIS Coordinator, GIS Analyst or other similar position that demonstrates leadership and technical capabilities in a multisite distributed environment.

JOB DOMAIN SIMILARITIES(CONT'D)

GEOSPATIAL OPERATIONS MANAGER(HD)

- 19- Should have a minimum of two years experience using ESRI ArcInfo and ArcView.
- 20- Must be willing to travel and stay overnight as required.
- 21- Must be willing to work nonstandard hours, including weekends and overtime.
- 22- Must be willing to attend additional training, skill development and other self-improvement courses as deemed necessary by supervisor.

GIS MANAGER(CIS)

- 19- Should have a minimum of two years experience using ESRI ArcInfo and ArcView.
- 20- Must be willing to travel and stay overnight as required.
- 21- Must be willing to work nonstandard hours, including weekends and overtime.
- 22- Must be willing to attend additional training, skill development and other self-improvement courses as deemed necessary by supervisor.

JOB DOMAIN ADDITIONAL DUTIES

GEOSPATIAL OPERATIONS MANAGER(HD)

- Prepares, maintains and reports implementation plans and schedules for projects and tasks.
- Proficiency with standard land surveying practices and equipment required.
- Proficiency with Excel, PowerPoint and other Microsoft Office software.
- Team player with exceptional interpersonal skills.
- See well enough to read deeds and right-of-way drawings.
- Hear well enough to discuss projects with supervisors, co-workers, general public and engineers
- Have a valid Alabama driver's license.

GIS MANAGER(CIS)

- Develop project implementation plans and budget.
- Coordinate internal and external resources during implementation of project with emphasis on keeping project on schedule and within budget.
- Develop reports and presentations.
- Perform Needs Analysis and Documentation
- Research and determine best solution(s) to meet defined needs.
- Develop bid specifications for equipment, software and services as required.
- Develop standards to maintain seamless interfaces to all systems.

JOB DOMAIN ADDITIONAL DUTIES

GEOSPATIAL OPERATIONS MANAGER(HD)

- N/A

GIS MANAGER(CIS)

- Provide expert analysis and decisions on functions associated with software and hardware configuration of the GIS system(s)
- Design and Administer user security for GIS systems/databases as required.
- Coordinate, assign and prioritize GIS work orders.
- Coordinate installation and maintenance services preformed by outside servies providers.
- Preform maintenance and upgrades to GIS hardware, operating systems and network systems as required.
- Establish and communicate priorities and timelines with subordinates.

JOB DOMAIN ADDITIONAL DUTIES

GEOSPATIAL OPERATIONS MANAGER(HD)

- N/A

GIS MANAGER(CIS)

- Hold regular meetings with subordinates to ensure effective communication of policies and mission.
- Should have development experience with HTML, Visual Basic, C# and/or Java
- Should have development experience with ESRI ArcIMS
- Should have relational database experience utilizing Microsoft SQL and ESRI ArcSDE
- Thorough knowledge of GIS concepts and principles including coordinate systems, Census geography, spatial topology, address geocoding, statistical analysis and cartographic methods.

JOB DOMAIN ADDITIONAL DUTIES

GEOSPATIAL OPERATIONS MANAGER(HD)

- N/A

GIS MANAGER(CIS)

- Thorough knowledge of database design and administration methodologies.
- Thorough knowledge of systems analysis and design methodologies.
- Ability to establish and maintain effective working relationships with department heads and other employees.
- Ability to supervise the work of others.

SUPPORTED ENTITIES

GEOSPATIAL OPERATIONS MANAGER(HD)

- Highway Department

GIS MANAGER(CIS)

- Revenue Commission
- Highway Department
- EMA
- Probate Elections/
Commission Admin
- Board of Registrars
- Planning & Zoning
- Solid Waste
- E-911
- ESMPO
- NRCS
- NBU
- City of Robertsedale
- City of Gulf Shores
- City of Orange Beach
- City of Daphne
- City of Fairhope
- City of Foley
- Board of Education

CURRENT PAY GRADE

GEOSPATIAL OPERATIONS MANAGER(HD)

- Grade 9
 - Minimum- \$64,045
 - Mid- \$82,749
 - Max- \$101,449
- Unfilled position

GIS MANAGER(CIS)

- Grade 8
 - Minimum- \$53,372
 - Mid- \$68,957
 - Max- \$84,542
- topped out with .058% in 2016
- Master of Science – Auburn University
- Employed Since November 2002

ESRI PRODUCT HISTORY

cross reference of terminology

- ArcReader (free viewer)
- ArcGIS for Desktop Basic
 - Formerly known as ArcMap
- ArcGIS for Desktop Standard
 - Formerly known as ArcEditor
- ArcGIS for Desktop Advanced
 - Formerly known as ArcInfo
- ArcGIS Pro
 - ArcGIS for Desktop with updated GUI interface
 - Created to look more like Microsoft Office tools
- ArcGIS Online
 - Replaced the functionality of outdated ArcIMS
- ArcGIS for Server
 - Formerly ArcSDE