MISSOURI DEPARTMENT OF TRANSPORTATION
JOB OPPORTUNITY ANNOUNCEMENT

Date Posted:	07/28/2020
Application Deadline:	08/11/2020
Job Post ID:	12789
Job Title:	Geographic Information System Specialist / Intermediate Geographic Information System Specialist / Senior Geographic Information System Specialist
Min Monthly Salary:	$3,308.00 / $3,675.00 / $4,088.00
Number Positions:	1
Location:	601 W. Main, Jefferson City, MO
District/Division:	Central Office / Design Division
Human Resources Contact Number:	573-751-2923

Notice: **The deadline to apply for this position is August 11, 2020, at 11:55 p.m. Although a remote work location and/or teleworking may be considered, the selected candidate is required to report to their work location as needed and at least 50% of the time.**

Substitution of experience for the education requirement will be considered.

Waiver of minimum requirements may be considered.

Remote work location and/or teleworking will be considered for this position.

General Summary:

--- Geographic Information System Specialist ---

The geographic information system specialist performs routine entry-level activities in the design, implementation, and support of geographic information systems (GIS) applications and databases. Responsibilities are performed under moderate supervision.

--- Intermediate Geographic Information System Specialist ---

The intermediate geographic information system specialist performs varied and moderately complex activities in the design, implementation, and support of geographic information systems (GIS) applications and databases. Responsibilities are performed under moderate supervision.

--- Senior Geographic Information System Specialist ---

The senior geographic information system specialist performs varied and complex activities in the design, implementation, and support of geographic information systems (GIS) applications and databases. Responsibilities are performed under general supervision.

Minimum/Required Qualifications:

--- Geographic Information System Specialist ---

Bachelor's Degree: Geography, Computer Science, Surveying, Geographic Information Systems, or related field

--- Intermediate Geographic Information System Specialist ---

Bachelor's Degree: Geography, Computer Science, Surveying, Geographic Information Systems, or related field

Two years of experience working with geographic information systems, surveying or computer aided design and drafting.

--- Senior Geographic Information System Specialist ---

Bachelor's Degree: Geography, Computer Science, Surveying, Geographic Information Systems, or related field

Four years of experience working with geographic information systems, surveying or computer aided design and drafting.

Supervisory Responsibilities:

--- Geographic Information System Specialist ---

None

--- Intermediate Geographic Information System Specialist ---

None

--- Senior Geographic Information System Specialist ---

None

Special Working Conditions/Job Characteristics:

--- Geographic Information System Specialist ---

Job may require occasional, statewide, overnight travel.

The GIS specialist will assist the HP section to ensure MoDOT's compliance with historic preservation regulations, specifically Section 106 of the National Historic Preservation Act.

Examples of work that include use of ArcGIS software:

- inventories and mapping of cultural resources

- identification and evaluation of historic properties

- mitigating adverse effects upon historic properties

- geo-referencing historic maps

- creating maps for documents

- producing story maps

- developing innovative ways to use GIS technology to expand the availability of the recovered data to consulting parties, the general public and professionals

--- Intermediate Geographic Information System Specialist ---

Job may require occasional, statewide, overnight travel.

The GIS specialist will assist the HP section to ensure MoDOT's compliance with historic preservation regulations, specifically Section 106 of the National Historic Preservation Act.

Examples of work that include use of ArcGIS software:

- inventories and mapping of cultural resources

- identification and evaluation of historic properties

- mitigating adverse effects upon historic properties

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--- Senior Geographic Information System Specialist ---

Job may require occasional, statewide, overnight travel.

The GIS specialist will assist the HP section to ensure MoDOT's compliance with historic preservation regulations, specifically Section 106 of the National Historic Preservation Act.

Examples of work that include use of ArcGIS software:

- inventories and mapping of cultural resources

- identification and evaluation of historic properties

- mitigating adverse effects upon historic properties

- geo-referencing historic maps

- creating maps for documents

- producing story maps

- developing innovative ways to use GIS technology to expand the availability of the recovered data to consulting parties, the general public and professionals

Examples of Work:

--- Geographic Information System Specialist ---

- Create, edit, and update files used to develop state highway maps, district maps, county maps, and a variety of other maps used both internally and externally.

- Writes computer programs to meet specific GIS needs, improve the data entry process for end users, and improve the efficiency of GIS software; runs programs to ensure edits to GIS data are accurate.

- Provides customer service and responds to special requests, including troubleshooting and assisting users with global positioning system and program problems, research and data collection for special requests, and presentations as necessary.

- Extracts graphical data from the map library and processes the data for GIS applications.

- Develops, tests, manages and integrates GIS applications designed for specific purposes or tasks.

- Provides technical assistance to department personnel in the capabilities and implementation of GIS; provides technical support for external end users.

- Manages the Design Division's geospatial data, including Light Detection and Ranging (LiDAR), aerial photography and survey, using ESRI Image Server and Bentley ProjectWide.

- Performs the planning and development of aerial acquisition projects. Develops contract documents and provides quality assurance for contract deliverables including aerial photography, control surveys and design grade LiDAR.

- Provides training and technical support to end users.

- Performs other responsibilities as required or assigned.

--- Intermediate Geographic Information System Specialist ---

- Create, edit, and update files used to develop state highway maps, district maps, county maps, and a variety of other maps used both internally and externally.

- Writes computer programs to meet specific GIS needs, improve the data entry process for end users, and improve the efficiency of GIS software; runs programs to ensure edits to GIS data are accurate.

- Provides customer service and responds to special requests, including troubleshooting and assisting users with global positioning system and program problems, research and data collection for special requests, and presentations as necessary.

- Extracts graphical data from the map library and processes the data for GIS applications.

- Develops, tests, manages and integrates GIS applications designed for specific purposes or tasks.

- Provides technical assistance to department personnel in the capabilities and implementation of GIS; provides technical support for external end users.

- Manages the Design Division's geospatial data, including Light Detection and Ranging (LiDAR), aerial photography and survey, using ESRI Image Server and Bentley ProjectWide.

- Performs the planning and development of aerial acquisition projects. Develops contract documents and provides quality assurance for contract deliverables including aerial photography, control surveys and design grade LiDAR.

- Provides training and technical support to end users.

- Performs other responsibilities as required or assigned.

--- Senior Geographic Information System Specialist ---

- Provides technical assistance to department personnel in the capabilities and implementation of GIS and transportation management systems (TMS); provides technical support for external end users.

- Writes computer programs to meet specific GIS and TMS needs, improve the data entry process for end users, and improve the efficiency of GIS software; runs programs to ensure edits to GIS data are accurate.

- Provides customer service and responds to special requests, including troubleshooting and assisting users with global

positioning system and program problems, research and data collection for special requests, and presentations as necessary.

- Develops, tests, manages and integrates GIS applications designed for specific purposes or tasks.
- Extracts graphical data from the map library and processes the data for GIS applications.
- Create, edit, and update files used to develop state highway maps, district maps, county maps, and a variety of other maps used both internally and externally.
- Manages the Design Division's geospatial data, including Light Detection and Ranging (LiDAR), aerial photography and survey, using ESRI Image Server and Bentley ProjectWide.
- Performs the planning and development of aerial acquisition projects. Develops contract documents and provides quality assurance for contract deliverables including aerial photography, control surveys and design grade LiDAR.
- Provides training and technical support to end users.
- Performs other responsibilities as required or assigned.

In order to be considered for this vacancy please go to the Missouri Department of Transportation Employment Application System (EAS) and submit an on-line application. Applications, and if applicable transcripts, must be received by no later than 11:55 pm of the closing date listed on the advertised vacancy.

MoDOT is primarily conducting telephone interviews due to social distancing requirements at this time. For applicants being interviewed who are hearing or speech impaired and need assistance, we will coordinate with the Missouri Relay System.

Equal Employment Opportunity / Affirmative Action Employer, M/F/D/V

MoDOT does not hire individuals with F-1 OPT visas into full-time or permanent part-time positions and MoDOT does not sponsor applicants for work visas.