



2019-2020

STAR OF THE NORTH FELLOWSHIP

DEPARTMENT OF TRANSPORTATION – METRO DISTRICT'S OFFICE OF PLANNING, PROGRAM MANAGEMENT AND TRANSIT

OVERVIEW:

The purpose of this Fellowship position is to gain public service experience by assisting planning staff in conducting transportation analyses using GIS and "Big Data" analytical tools for Mn DOT transportation planning activities. The incumbent will work with "Big Data" using Streetlight Insight and similar "Big Data" transportation analytical tools used by Mn DOT to assess transportation travel behavior on the Twin Cities and Greater Minnesota roadway system. Work assignments will include, but will not be limited to, conducting origin-destination analyses, speed studies, before/after analyses, and mobility performance reporting. The incumbent will also conduct the technical implementation of GIS to create work products such as maps used in various planning efforts such as system-wide transportation plans, corridors studies, etc. The incumbent will be expected to do this work in a proficient manner.

Fellowship responsibilities include, but are not limited to:

- Conduct transportation analyses using "Big Data" for transportation such as origin-destination, speed, and other similar analytics related to mobility behavior.
- Utilize Streetlight Insight and other similar "Big Data" transportation analytical tools used by Mn DOT.
- Gather, manage and analyze data along with preparing maps using the Geographic Information System (GIS) framework.

WHAT YOU WILL LEARN:

The successful Fellowship candidate will get an opportunity to gain real world experience in public service as it relates to transportation planning and analysis work. The Fellow in this position will gain distinctive professional experience, expand on skills through training and work-related projects, and network with senior leaders.

WHAT WE REQUIRE:

Education/ Knowledge, Skills & Abilities

Minimum Qualifications:

- Completion or will soon earn an Advanced Degree such as a Master's Degree program in Geographic Information Science, Transportation, Urban Planning, Public Policy, Public Administration, or other similar field.
- Excellent analytical skills that can be applied to transportation planning and analysis work.
- Excellent written and verbal communication skills.
- Good organizational skills and the ability to handle multiple tasks at once.
- A positive attitude and the ability to work well either as part of a team or independently.
- Experience with ArcGIS, Microsoft Word and Excel, and Adobe Creative Suite
- Familiarity with Streetlight Insight and/or other similar "Big Data" transportation analytical tools used in transportation analyses.

Preferred Qualifications:

- 3 months or more of GIS work related experience preferably at a public transportation agency.
- 3 months or more of transportation analytical work related experience at a public transportation agency.
- 3 months or more experience using Streetlight Insight and/or other similar "Big Data" transportation analytical tools used in transportation analyses.

ADDITIONAL INFORMATION:

Classification: Management Analyst 1 Minimum Hourly: \$19.46 Maximum Hourly: \$28.15 Duration: 52 weeks Total Hours: 2,080

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