OVERVIEW:
The objective of this position is to extract/review/analyze data to assist in determining the most effective plan to deliver the Department’s State Roads Construction program. This position will assist in the analysis and development of models that will allow the Department to understand the impact of programming on internal staff, the consultant community, and the contracting community.

WHAT YOU WILL LEARN:
This assignment will provide an understanding of how multiple system inputs vary the output and delivery of a product. Understanding of system reaction to adjustments in assumptions or variables based on historical data and appropriate planning will provide an understanding of systems outcome. There are elements of systems theory involved to help determine appropriate decision making at a Leadership and management level.

WHAT WE REQUIRE:
This position will require knowledge of data extraction, analysis, and modelling techniques. A proficiency in software needed for analysis (currently only MS Office, BI, etc.). Understanding of statistical analysis and best methods to review data for a clear presentation of effects on program delivery based on systems input. Data analysis skills are needed.

ADDITIONAL INFORMATION:
The Department is working to identify the most cost effective solution to the delivery of its State Road Construction program. This solution will take into account human capital hours needed to deliver projects based on various factors (complexity, cost, construction features, time, and influence). Being able to identify delivery timeframes and effort required to deliver projects will aid in identifying appropriate letting dates. Identifying appropriate letting dates will allow the Department in programing projects to effectively achieve the best return on investment and thereby allowing more projects to be delivered and more infrastructure to be adequately maintained.

The State of Minnesota is an equal opportunity, affirmative action, and veteran-friendly employer, and encourages all qualified candidates to apply for job opportunities. If you are an individual with a disability who needs assistance or cannot access the online job application and search tools, please contact the job information line at 651.259.3637. Please indicate what assistance is needed.